

Publication List Prof Arun S Mujumdar

Scopus

Documents: 709

Citations: 5650

h-index: 41

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Page count	Cited by
Liu, P., Mujumdar, A.S. , Zhang, M., Jiang, H.	Comparison of Three Blanching Treatments on the Color and Anthocyanin Level of the Microwave- Assisted Spouted Bed Drying of Purple Flesh Sweet Potato	2015	Drying Technology	33	1		66	71		
Wu, Z., Yue, L., Li, Z., Li, J., Mujumdar, A.S. , Rehkopf, J.A.	Pulse Combustion Spray Drying of Egg White: Energy Efficiency and Product Quality	2014	Food and Bioprocess Technology in press							
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	CFD simulation of methane dispersion and innovative methane management in underground mining faces	2014	Applied Mathematical Modelling	38	14		3467	3484		2
Kurnia, J.C., Sasmito, A.P., Wong, W.Y., Mujumdar, A.S.	Prediction and innovative control strategies for oxygen and hazardous gases from diesel emission in underground mines	2014	Science of the Total Environment	481	1		317	334		
Jiang, H., Zhang, M., Mujumdar,	Changes of microwave structure/dielectric	2014	International Journal of Food	49	4		1142	1148		

A.S., Lim, R.X.	properties during microwave freeze-drying process banana chips		Science and Technology							
Mujumdar, A.S.	Editorial: Leadership in Drying R&D	2014	Drying Technology	32	5		495	496		
Gong, Z.-X., Mujumdar, A.S.	Process Simulation of Combustion Drying with Simprosys Software	2014	Drying Technology	32	4		447	454		
Mujumdar, A.S.	Editorial: Role of International Collaboration in Effective R&D	2014	Drying Technology	32	4		373			
Mujumdar, A.S.	Editorial: 14th Chinese Drying Conference, Changzhou, China, October 2013	2014	Drying Technology	32	2		127			
Tohidi, A., Hosseinalipour, S.M., Monfared, Z.G., Mujumdar, A.S.	Laminar heat transfer enhancement utilizing nanofluids in a chaotic flow	2014	Journal of Heat Transfer	136	9	91704				
Mujumdar, A.S.	Proceedings of the First International Drying Symposium McGill University, Montreal, Canada, August 1978	2014	Drying Technology	32	2		128	129		
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	Dust dispersion and management in underground mining faces	2014	International Journal of Mining Science and Technology	24	1		39	44		2
Lu, Y., Zhang, M., Liu, H., Mujumdar, A.S. , Sun, J., Zheng, D.	Optimization of Potato Cube Drying in a Microwave-Assisted Pulsed Spouted Bed	2014	Drying Technology	32	8		960	968		1

Kurnia, J.C., Sasmito, A.P., Birgersson, E., Shamim, T., Mujumdar, A.S.	Evaluation of mass transport performance in heterogeneous gaseous in-plane spiral reactors with various cross-section geometries at fixed cross-section area	2014	Chemical Engineering and Processing: Process Intensification	82			101	111		
Hosseinalipour, S.M., Tohidi, A., Mashaei, P.R., Mujumdar, A.S.	Experimental investigation of mixing in a novel continuous chaotic mixer	2014	Korean Journal of Chemical Engineering	31	10		1757	1765		
Mujumdar, A.S.	In Memoriam: Dr. Carl W. Hall, 1924-2014: A Tribute to Dr. Carl W. Hall, Founding Editor of Drying Technology	2014	Drying Technology	32	9		1003	1004		
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	Simulation of a novel intermittent ventilation system for underground mines	2014	Tunnelling and Underground Space Technology	42			206	215		
Zolfagharian, M.M., Rajabi-Zargarabadi, M., Mujumdar, A.S. , Valipour, M.S., Asadollahi, M.	Optimization of turbine blade cooling using combined cooling techniques	2014	Engineering Applications of Computational Fluid Mechanics	8	3		462	475		
Shaker, M., Birgersson, E., Mujumdar, A.S.	Extended Maxwell model for the thermal conductivity of nanofluids that accounts for nonlocal heat transfer	2014	International Journal of Thermal Sciences	84			260	266		
Mohammadpour, J., Zolfagharian, M.M.,	Heat transfer under composite arrangement of pulsed and steady	2014	International Journal of Thermal Sciences	86			139	147		

Mujumdar, A.S., Zargarabadi, M.R., Abdulahzadeh, M.	turbulent submerged multiple jets impinging on a flat surface									
Mohammadpour, J., Rajabi- Zargarabadi, M., Mujumdar, A.S., Ahmadi, H.	Effect of intermittent and sinusoidal pulsed flows on impingement heat transfer from a concave surface	2014	International Journal of Thermal Sciences	76			118	127		1
Li, R., Huang, L., Zhang, M., Mujumdar, A.S., Wang, Y.C.	Freeze Drying of Apple Slices with and without Application of Microwaves	2014	Drying Technology	32	15		1769	1776		
Aghbashlo, M., Sotudeh- Gharebagh, R., Zarghami, R., Mujumdar, A.S., Mostoufi, N.	Measurement Techniques to Monitor and Control Fluidization Quality in Fluidized Bed Dryers: A Review	2014	Drying Technology	32	9		1005	1051		
Mothibe, K.J., Zhang, M., Mujumdar, A.S., Wang, Y.C., Cheng, X.	Effects of Ultrasound and Microwave Pretreatments of Apple Before Spouted Bed Drying on Rate of Dehydration and Physical Properties	2014	Drying Technology	32	15		1848	1856		
Barrozo, M.A.S., Mujumdar, A., Freire, J.T.	Air-Drying of Seeds: A Review	2014	Drying Technology	32	10		1127	1141		
Jiang, H., Zhang, M., Mujumdar, A.S., Lim, R.-X.	Comparison of drying characteristic and uniformity of banana cubes dried by pulse- spouted microwave	2014	Journal of the Science of Food and Agriculture	94	9		1827	1834		1

	vacuum drying, freeze drying and microwave freeze drying									
Mothibe, K.J., Wang, C.-Y., Mujumdar, A.S. , Zhang, M.	Microwave-Assisted Pulse-Spouted Vacuum Drying of Apple Cubes	2014	Drying Technology	32	15		1762	1768		
Wang, Y., Zhang, M., Mujumdar, A.S. , Chen, H.	Drying and Quality Characteristics of Shredded Squid in an Infrared-Assisted Convective Dryer	2014	Drying Technology	32	15		1828	1839		
Qi, L.-L., Zhang, M., Mujumdar, A.S. , Meng, X.-Y., Chen, H.-Z.	Comparison of Drying Characteristics and Quality of Shiitake Mushrooms (<i>Lentinus edodes</i>) Using Different Drying Methods	2014	Drying Technology	32	15		1751	1761		
Chen, F., Zhang, M., Mujumdar, A.S. , Jiang, H., Wang, L.	Production of Crispy Granules of Fish: A Comparative Study of Alternate Drying Techniques	2014	Drying Technology	32	12		1512	1521		
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	Laminar heat transfer performance of power law fluids in coiled square tube with various configurations	2014	International Communications in Heat and Mass Transfer	57			100	108		
Liu, P., Zhang, M., Mujumdar, A.S.	Purple-Fleshed Sweet Potato Cubes Drying in a Microwave-Assisted Spouted Bed Dryer	2014	Drying Technology	32	15		1865	1871		
Wang, H., Zhang, M., Mujumdar, A.S.	Comparison of Three New Drying Methods for Drying Characteristics and Quality	2014	Drying Technology	32	15		1791	1802		

	of Shiitake Mushroom (Lentinus edodes)											
Wang, R., Huo, H., Dou, R., Li, Z., Mujumdar, A.S.	Effect of the Inside Placement of Electrically Conductive Beads on Electric Field Uniformity in a Microwave Applicator	2014	Drying Technology	32	16			1997	2004			
Freire, F.B., Vieira, G.N.A., Freire, J.T., Mujumdar, A.S.	Trends in Modeling and Sensing Approaches for Drying Control	2014	Drying Technology	32	13			1524	1532			
Mujumdar, A.S.	Editorial: Role of R&D in Innovation	2014	Drying Technology	32	1			1				
Mujumdar, A.S.	Editorial: Role of Insight, Oversight, and Foresight in Successful R&D	2014	Drying Technology	32	3			247	248			
Yahyaee, A., Esmailpour, K., Hosseinalipour, M., Mujumdar, A.S.	Simulation of Drying Characteristics of Evaporation from a Wet Particle in a Turbulent Pulsed Opposing Jet Contactor	2013	Drying Technology	31	16			1994	2006			
Wang, Y., Zhang, M., Mujumdar, A.S. , Mothibe, K.J.	Microwave-Assisted Pulse-Spouted Bed Freeze-Drying of Stem Lettuce Slices-Effect on Product Quality	2013	Food and Bioprocess Technology	6	12			3530	3543			6
Sasmito, A.P., Shamim, T., Birgersson, E., Mujumdar, A.S.	Numerical investigation of water and temperature distributions for open-cathode polymer electrolyte fuel cell stack with edge cooling	2013										
Mujumdar, A.S.	Editorial: Role of Quality	2013	Drying Technology	31	1			1	2			

	and Quantity on Impact of Archival Publications									
Moghari, R.M., Mujumdar, A.S. , Shariat, M., F. Talebi, Sajjadi, S.M., Akbarinia, A.	Investigation effect of nanoparticle mean diameter on mixed convection Al ₂ O ₃ -water nanofluid flow in an annulus by two phase mixture model	2013	International Communications in Heat and Mass Transfer	49			25	35		
Mujumdar, A.S. , Piacentini, R.D.	Guest Editorial: Urgent Need for Reduction in Greenhouse Gas Emissions in Industrial Processes: Are We Past the Tipping Point for Global Warming?	2013	Drying Technology	31	1		3	4		
Mujumdar, A.S.	Editorial: On Citation Statistics-What Do They Really Mean?	2013	Drying Technology	31	16		1897	1898		
Wang, Y., Zhang, M., Mujumdar, A.S. , Mothibe, K.J., Roknul Azam, S.M.	Study of Drying Uniformity in Pulsed Spouted Microwave-Vacuum Drying of Stem Lettuce Slices with Regard to Product Quality	2013	Drying Technology	31	1		91	101		10
Sasmito, A.P., Shamim, T., Birgersson, E., Mujumdar, A.S.	Numerical investigation of water and temperature distributions for open-cathode polymer electrolyte fuel cell stack with edge cooling	2013	Journal of Fuel Cell Science and Technology	10	6	61003				1
Wan, J., Zhang, M., Wang, Y., Mujumdar, A.S. , Yong-Jun, W.	Drying kinetics and quality characteristics of slightly salted grass carp fillets by hot air drying and vacuum	2013	Journal of Aquatic Food Product Technology	22	6		595	604		1

	microwave drying									
Tohidi, A., Hosseinalipour, S.M., Taheri, P., Nouri, N.M., Mujumdar, A.S.	Chaotic advection induced heat transfer enhancement in a chevron-type plate heat exchanger	2013	Heat and Mass Transfer/Waerme- und Stoffuebertragung	49	11		1535	1548		1
Wang, Y., Zhang, M., Adhikari, B., Mujumdar, A.S. , Zhou, B.	The Application of Ultrasound Pretreatment and Pulse-Spouted Bed Microwave Freeze Drying to Produce Desalted Duck Egg White Powders	2013	Drying Technology	31	15		1826	1836		3
Zhang, C.H., Huang, L.X., Xie, P.J., You, F., Zhang, Y.L., Mujumdar, A.S.	Numerical Simulation of a Spouted Bed Using Computational Fluid Dynamics (CFD)	2013	Drying Technology	31	15		1879	1887		
Bai, J.-W., Sun, D.-W., Xiao, H.-W., Mujumdar, A.S. , Gao, Z.-J.	Novel high-humidity hot air impingement blanching (HHAIB) pretreatment enhances drying kinetics and color attributes of seedless grapes	2013	Innovative Food Science and Emerging Technologies	20			230	237		5
Zeng, Q.-R., Zhang, M., Adhikari, B.P., Mujumdar, A.S.	Effect of Drying Processes on the Functional Properties of Collagen Peptides Produced from Chicken Skin	2013	Drying Technology	31	13-14		1653	1660		3
Yan, W.-Q., Zhang, M., Huang, L.-L., Mujumdar, A.S. , Tang, J.	Influence of microwave drying method on the characteristics of the sweet potato dices	2013	Journal of Food Processing and Preservation	37	5		662	669		2
Jiang, H., Zhang,	The energy consumption	2013	Food and	91	4		464	472		1

M., Liu, Y., Mujumdar, A.S. , Liu, H.	and color analysis of freeze/microwave freeze banana chips		Bioproducts Processing							
Adhikari, B., Devahastin, S., Mujumdar, A.S.	Guest Editorial: Special Thematic Issue on Drying of Proteins and Enzymes	2013	Drying Technology	31	13- 14		1439	1440		
Tang, W.-L., Zhang, M., Adhikari, B., Mujumdar, A.S.	Effects of Preparation and Drying Methods on the Antioxidant Activity of Enzymatically Hydrolyzed Porcine Placenta Hydrolysates	2013	Drying Technology	31	13- 14		1600	1610		2
Kurnia, J.C., Sasmito, A.P., Jangam, S.V., Mujumdar, A.S.	Heat transfer in coiled square tubes for laminar flow of slurry of microencapsulated phase change material	2013	Heat Transfer Engineering	34	12- Nov		994	1007		2
Mujumdar, A.S.	Editorial: R&D: A Historical Perspective	2013	Drying Technology	31	11		1191			
Mujumdar, A.S.	Editorial: The Role of Art in Innovative R&D	2013	Drying Technology	31	12		1317	1318		
Arasu, A.V., Sasmito, A.P., Mujumdar, A.S.	Numerical performance study of paraffin wax dispersed with alumina in a concentric pipe latent heat storage system	2013	Thermal Science	17	2		419	430		3
Wang, Y., Zhang, M., Mujumdar, A.S.	Effect of cassava starch gel, fish gel and mixed gels and thermal treatment on structure development and various quality parameters in microwave vacuum-dried gel slices	2013	Food Hydrocolloids	33	1		26	37		2
Mujumdar, A.S.	Editorial: How Industry	2013	Drying Technology	31	10		1083			

	May Benefit from Interaction with Academia									
Mujumdar, A.S.	Editorial: On Industry-Academia Interaction: Hallmark of Engineering Research	2013	Drying Technology	31	9		965			
Hosseinalipour, M., Esmailpour, K., Yahyaee, A., Mujumdar, A.S.	Numerical simulation of flow and thermal characteristics of harmonic pulsed laminar impinging streams	2013	Asia-Pacific Journal of Chemical Engineering	8	4		607	617		1
Wang, Y., Zhang, M., Mujumdar, A.S. , Mothibe, K.J.	Quality Changes of Dehydrated Restructured Fish Product from Silver Carp (<i>Hypophthalmichthys molitrix</i>) as Affected by Drying Methods	2013	Food and Bioprocess Technology	6	7		1664	1680		2
Sasmito, A.P., Shamim, T., Mujumdar, A.S.	Passive thermal management for PEM fuel cell stack under cold weather condition using phase change materials (PCM)	2013	Applied Thermal Engineering	58	2-Jan		615	625		1
Wang, L., Zhang, M., Mujumdar, A.S. , Wang, Y., Zhu, C.	Restructured crispy fish cubes containing <i>Salicornia bigelovii</i> Torr. developed with microwave vacuum drying	2013	Journal of Aquatic Food Product Technology	22	3		226	240		2
Wu, Z., Xie, J., Li, E., Mujumdar, A.S.	Novel gas-fired pulse combustors-design evaluation via simulation	2013	JP Journal of Heat and Mass Transfer	7	2		129	156		
Sasmito, A.P., Khan, S.A., Mujumdar, A.S.	Nanofluids heat transfer: Preparation, characterization and	2013		55	90					

	theoretical aspects									
Mujumdar, A.S.	Editorial: On the Moving Goalposts and Changing Goalkeepers Syndrome	2013	Drying Technology	31	7		741	742		
Mujumdar, A.S.	Editorial: The Extreme Future	2013	Drying Technology	31	5		489	490		
Mujumdar, A.S.	Editorial: Why Four Decades of R&D in Drying?	2013	Drying Technology	31	6		617	618		
Mujumdar, A.S.	Networking-A New Paradigm for Increased R&D Productivity	2013	Drying Technology	31	4		365	366		
Qiufang, T., Zhonghua, W., Mujumdar, A.S.	Optimization of liquid steel flow in an industrial tundish	2013	Advanced Materials Research	634-638	1		1752	1755		
Qiu, S., Xu, P., Qiao, X., Mujumdar, A.S.	Flow and mixing characteristics of pulsed confined opposed jets in turbulent flow regime	2013	Heat and Mass Transfer/Waerme- und Stoffuebertragung	49	2		277	284		1
Sasmito, A.P., Birgersson, E., Ly, H.C., Mujumdar, A.S.	Some approaches to improve ventilation system in underground coal mines environment - A computational fluid dynamic study	2013	Tunnelling and Underground Space Technology	34			82	95		4
Mujumdar, A.S.	Editorial: On Right-Brain Activity to Stimulate Creativity in Academic R&D	2013	Drying Technology	31	3		253	254		
Jiang, H., Zhang, M., Mujumdar, A.S. , Lim, R.-X.	Analysis of Temperature Distribution and SEM Images of Microwave Freeze Drying Banana Chips	2013	Food and Bioprocess Technology	6	5		1144	1152		6
Lee, D.-J., Chen,	Cyclic Filtration-Cleaning	2013	Drying Technology	31	2		207	212		1

G.-Y., Chang, Y.-R., Mujumdar, A.S. , Chang, J.-S.	of Chlorella vulgaris Using Surface-Modified Hydrophilic Polytetrafluoroethylene Membrane with Polyaluminum Chloride as Coagulant									
Kurnia, J.C., Sasmito, A.P., Tong, W., Mujumdar, A.S.	Energy-efficient thermal drying using impinging-jets with time-varying heat input - A computational study	2013	Journal of Food Engineering	114	2		269	277		4
Kurnia, J.C., Sasmito, A.P., Jangam, S.V., Mujumdar, A.S.	Improved design for heat transfer performance of a novel phase change material (PCM) thermal energy storage (TES)	2013	Applied Thermal Engineering	50	1		896	907		10
Lee, D.-J., Su, A., Mujumdar, A.S.	Bound Water Content in Wet Materials	2013	Drying Technology	31	2		202	206		2
Sasmito, A.P., Shamim, T., Birgersson, E., Mujumdar, A.S.	Computational study of edge cooling for open-cathode polymer electrolyte fuel cell stacks	2012	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	6	PARTS A AND B		865	874		
Lee, D.-J., Jangam, S., Mujumdar, A.S.	Some recent advances in drying technologies to produce particulate solids	2012	KONA Powder and Particle Journal	30			69	83		
Sasmito, A.P., Shamim, T., Birgersson, E., Mujumdar, A.S.	Computational study of edge cooling for open-cathode polymer electrolyte fuel cell stacks	2012	Journal of Fuel Cell Science and Technology	9	6	61008				6

Chiewchan, N., Devahastin, S., Mujumdar, A.S.	Drying of Foods	2012		394	411					
Wu, Z., Zhang, J., Li, Z., Xie, J., Mujumdar, A.S.	Production of a solid fuel using sewage sludge and spent cooking oil by immersion frying	2012	Journal of Hazardous Materials	243			357	363		5
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	7Laminar convective heat transfer for in-plane spiral coils of non-circular cross-sections ducts: A computational fluid dynamics study	2012	Thermal Science	16	1		109	118		6
Mujumdar, A.S.	Editorial	2012	Drying Technology	30	14		1505			
Wang, Y., Zhang, M., Mujumdar, A.S. , Mothibe, K.J., Roknul Azam, S.M.	Effect of blanching on microwave freeze drying of stem lettuce cubes in a circular conduit drying chamber	2012	Journal of Food Engineering	113	2		177	185		7
Somasundaram, K., Birgersson, E., Mujumdar, A.S.	Model for a bipolar Li-ion battery module: Automated model generation, validation and verification	2012	Applied Mathematics and Computation	219	4		2231	2245		
Mounir, S., Allaf, T., Mujumdar, A.S. , Allaf, K.	Swell Drying: Coupling Instant Controlled Pressure Drop DIC to Standard Convection Drying Processes to Intensify Transfer Phenomena and Improve Quality-An Overview	2012	Drying Technology	30	14		1508	1531		4
Sasmito, A.P., Kurnia, J.C.,	Numerical analysis of laminar heat transfer	2012	International Journal of Heat	55	21-22		5882	5890		5

Wang, W., Jangam, S.V., Mujumdar, A.S.	performance of in-plane spiral ducts with various cross-sections at fixed cross-section area		and Mass Transfer							
Mujumdar, A.S.	Editorial: The Role of Drying Technology in Sustainable R&D and Innovation	2012	Drying Technology	30	13		1387			
Wang, Y., Zhang, M., Mujumdar, A.S. , Mothibe, K.J.	Experimental Investigation and Mechanism Analysis on Microwave Freeze Drying of Stem Lettuce Cubes in a Circular Conduit	2012	Drying Technology	30	12-Nov		1377	1386		13
Zhonghua Dr., W., Long, W., Zhanyong, L., Mujumdar, A.S.	Atomization and Drying Characteristics of Sewage Sludge inside a Helmholtz Pulse Combustor	2012	Drying Technology	30	10		1105	1112		6
Sasmito, A.P., Kurnia, J.C., Mujumdar, A.S.	Numerical evaluation of various gas and coolant channel designs for high performance liquid-cooled proton exchange membrane fuel cell stacks	2012	Energy	44	1		278	291		11
Jiang, Y., Xu, P., Mujumdar, A.S. , Qiu, S., Jiang, Z.	A Numerical Study on the Convective Heat Transfer Characteristics of Pulsed Impingement Drying	2012	Drying Technology	30	10		1056	1061		4
An, H., Li, A., Sasmito, A.P., Kurnia, J.C., Jangam, S.V., Mujumdar, A.S.	Computational fluid dynamics (CFD) analysis of micro-reactor performance: Effect of various configurations	2012	Chemical Engineering Science	75			85	95		5
Qiu, S., Xu, P.,	Numerical modeling of	2012	Engineering	6	2		195	202		7

Jiang, Z., Mujumdar, A.S.	pulsed laminar opposed impinging jets		Applications of Computational Fluid Mechanics							
Wang, Y., Zhang, M., Mujumdar, A.S.	Influence of green banana flour substitution for cassava starch on the nutrition, color, texture and sensory quality in two types of snacks	2012	LWT - Food Science and Technology	47	1		175	182		8
Pawar, S.B., Mujumdar, A.S. , Thorat, B.N.	CFD analysis of flow pattern in the agitated thin film evaporator	2012	Chemical Engineering Research and Design	90	6		757	765		1
Huang, L.-L., Zhang, M., Wang, L.-P., Mujumdar, A.S. , Sun, D.-F.	Influence of combination drying methods on composition, texture, aroma and microstructure of apple slices	2012	LWT - Food Science and Technology	47	1		183	188		9
Mujumdar, A.S.	Professor Min Zhang, Jiangnan University, Wuxi, China	2012	Drying Technology	30	7		799			
Kurnia, J.C., Birgersson, E., Mujumdar, A.S.	Finite deformation of fast-response thermo-sensitive hydrogels - A computational study	2012	Polymer	53	12		2500	2508		1
Mujumdar, A.S.	Editorial: Effective research done by Teams or Individuals?	2012	Drying Technology	30	6		559			
Somasundaram, K., Birgersson, E., Mujumdar, A.S.	Thermal-electrochemical model for passive thermal management of a spiral-wound lithium-ion battery	2012	Journal of Power Sources	203			84	96		22
Shaker, M., Ghaedamini, H.,	Numerical investigation of laminar mass transport	2012	Chemical Engineering and	54			1	11		2

Sasmito, A.P., Kurnia, J.C., Jangam, S.V., Mujumdar, A.S.	enhancement in heterogeneous gaseous microreactors		Processing: Process Intensification							
Sasmito, A.P., Birgersson, E., Mujumdar, A.S.	A novel flow reversal concept for improved thermal management in polymer electrolyte fuel cell stacks	2012	International Journal of Thermal Sciences	54			242	252		13
Mujumdar, A.S.	Editorial	2012	Drying Technology	30	5		447			
Woo, M.W., Che, L.M., Daud, W.R.W., Mujumdar, A.S. , Chen, X.D.	Highly swirling transient flows in spray dryers and consequent effect on modeling of particle deposition	2012	Chemical Engineering Research and Design	90	3		336	345		2
Mujumdar, A.S.	Editorial: Some Challenging Ideas for Future Drying R&D	2012	Drying Technology	30	3		227	228		1
Kurnia, J.C., Birgersson, E., Mujumdar, A.S.	A phenomenological model for hydrogels with rigid skin formation	2012	International Journal of Applied Mechanics	4	1	12001361				3
Xu, P., Qiu, S., Yu, M., Qiao, X., Mujumdar, A.S.	A study on the heat and mass transfer properties of multiple pulsating impinging jets	2012	International Communications in Heat and Mass Transfer	39	3		378	382		13
Mujumdar, A.S.	Editorial	2012	Drying Technology	30	2		127			
Sasmito, A.P., Kurnia, J.C., Mujumdar, A.S.	Numerical evaluation of transport phenomena in a T-junction microreactor with coils of different configurations	2012	Industrial and Engineering Chemistry Research	51	4		1970	1980		9
Tsotsas, E., Mujumdar, A.S.	Preface of Volume 4	2012	Modern Drying Technology	4			xv	xviii		
Tsotsas, E.,	Series Preface	2012	Modern Drying	4			xi	xiv		

Mujumdar, A.S.			Technology							
Tsotsas, E., Mujumdar, A.S.	Modern Drying Technology	2012	Modern Drying Technology	4					342	1
Jangam, S.V., Mujumdar, A.S.	Heat Pump Assisted Drying Technology - Overview with Focus on Energy, Environment and Product Quality	2012	Modern Drying Technology	4			121	162		
Kurnia, J.C., Birgersson, E., Mujumdar, A.S.	Analysis of a model for pH-sensitive hydrogels	2012	Polymer	53	2		613	622		6
Rahman, S.M.A., Mujumdar, A.S.	Atmospheric Freeze Drying	2012			143	160				
Sasmito, A.P., Birgersson, E., Lum, K.W., Mujumdar, A.S.	Fan selection and stack design for open-cathode polymer electrolyte fuel cell stacks	2012	Renewable Energy	37	1		325	332		13
Arasu, A.V., Mujumdar, A.S.	Numerical study on melting of paraffin wax with Al ₂ O ₃ in a square enclosure	2012	International Communications in Heat and Mass Transfer	39	1		8	16		17
Liu, P., Zhang, M., Mujumdar, A.S.	Comparison of three microwave-assisted drying methods on the physiochemical, nutritional and sensory qualities of re-structured purple-fleshed sweet potato granules	2012	International Journal of Food Science and Technology	47	1		141	147		9
Sasmito, A.P., Kurnia, J.C., Mujumdar, A.S.	Numerical evaluation of laminar heat transfer enhancement in nanofluid flow in coiled square tubes	2011	Nanoscale Research Letters	6		376	1	14		19
Valan Arasu, A.,	Thermal performance	2011	Frontiers in Heat	2	4		1	7		1

Sasmito, A.P., Mujumdar, A.S.	enhancement of paraffin wax with AL 2O 3 and CuO nanoparticles - A numerical study		and Mass Transfer							
Wang, Y., Zhang, M., Mujumdar, A.S.	Convective drying kinetics and physical properties of silver carp (Hypophthalmichthys molitrix) fillets	2011	Journal of Aquatic Food Product Technology	20	4		361	378		8
Nahimana, H., Mujumdar, A.S. , Zhang, M.	Drying and radial shrinkage characteristics and changes in color and shape of carrot tissues (Daucus Carota L) during air drying	2011	African Journal of Biotechnology	10	68		15327	15345		1
Somasundaram, K., Birgersson, E., Mujumdar, A.S.	Analysis of a model for an electrochemical capacitor	2011	Journal of the Electrochemical Society	158	11		A1220	A1230		3
Sasmito, A.P., Birgersson, E., Mujumdar, A.S.	Numerical evaluation of various thermal management strategies for polymer electrolyte fuel cell stacks	2011	International Journal of Hydrogen Energy	36	20		12991	13007		15
Wang, R., Zhang, M., Mujumdar, A.S. , Jiang, H.	Effect of salt and sucrose content on dielectric properties and microwave freeze drying behavior of re-structured potato slices	2011	Journal of Food Engineering	106	4		290	297		12
Nahimana, H., Zhang, M., Mujumdar, A.S. , Ding, Z.	Mass transfer modeling and shrinkage consideration during osmotic dehydration of fruits and vegetables	2011	Food Reviews International	27	4		331	356		9
Ren, A.-Q.,	Effect of water activity	2011	International	25	3		205	209		1

Zhang, M., Mujumdar, A.S.	and glass transition on critical preservation conditions of dried squids		Agrophysics							
Mestry, A.P., Mujumdar, A.S. , Thorat, B.N.	Optimization of spray drying of an innovative functional food: Fermented mixed juice of carrot and watermelon	2011	Drying Technology	29	10		1121	1131		27
Sasmito, A.P., Mujumdar, A.S.	Performance evaluation of a polymer electrolyte fuel cell with a dead-end anode: A computational fluid dynamic study	2011	International Journal of Hydrogen Energy	36	17		10917	10933		13
Tsotsas, E., Mujumdar, A.S.	Preface	2011	Modern Drying Technology	3			XIII	XVI		
Tsotsas, E., Mujumdar, A.S.	Modern Drying Technology	2011	Modern Drying Technology	3					394	3
Pawar, S.B., Mujumdar, A.S. , Thorat, B.N.	Flow pattern and heat transfer in agitated thin film dryer	2011	Chemical Engineering and Processing: Process Intensification	50	7		687	693		1
Li, X., Zhang, M., Duan, X., Mujumdar, A.S.	Effect of nano-silver coating on microbial control of microwave-freeze combined dried sea cucumber	2011	International Agrophysics	25	2		181	186		3
Kurnia, J.C., Birgersson, E., Mujumdar, A.S. , Tay, S.P., Yew, Y.K., Li, H.	Phenomenological model for coupled alcohol and temperature sensitive hydrogels	2011	International Journal of Applied Mechanics	3	2		279	298		4
Pawar, S.B., Patil, R., Mujumdar,	Mathematical modeling of agitated thin-film dryer	2011	Drying Technology	29	6		719	728		1

A.S., Thorat, B.N.										
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	Numerical investigation of laminar heat transfer performance of various cooling channel designs	2011	Applied Thermal Engineering	31	7-Jun		1293	1304		26
Mujumdar, A.S.	Industrial innovation-is academic research a significant influence?	2011	Drying Technology	29	6		609			
Zhang, F., Zhang, M., Mujumdar, A.S.	Drying characteristics and quality of restructured wild cabbage chips processed using different drying methods	2011	Drying Technology	29	6		682	688		10
Huang, L.-L., Zhang, M., Yan, W.-Q., Mujumdar, A.S. , Sun, D.-F.	Rehydration characteristics of freeze-dried strawberry pieces as affected by whey protein edible coatings	2011	International Journal of Food Science and Technology	46	4		671	677		1
Mujumdar, A.S.	Editorial: Is the R&D world flat, hot and crowded?	2011	Drying Technology	29	5		749			
Huang, L.-L., Zhang, M., Mujumdar, A.S. , Lim, R.-X.	Comparison of four drying methods for re-structured mixed potato with apple chips	2011	Journal of Food Engineering	103	3		279	284		31
Ghaedamini, H., Salimpour, M.R., Mujumdar, A.S.	The effect of svelteness on the bifurcation angles role in pressure drop and flow uniformity of tree-shaped microchannels	2011	Applied Thermal Engineering	31	5		708	716		11
Jiang, H., Zhang, M., Mujumdar, A.S. , Lim, R.-X.	Comparison of the effect of microwave freeze drying and microwave vacuum drying upon the process and quality	2011	International Journal of Food Science and Technology	46	3		570	576		6

	characteristics of potato/banana re-structured chips									
Fernandes, F.A.N., Rodrigues, S., Law, C.L., Mujumdar, A.S.	Drying of Exotic Tropical Fruits: A Comprehensive Review	2011	Food and Bioprocess Technology	4	2		163	185		30
Sasmito, A.P., Birgersson, E., Mujumdar, A.S.	Numerical investigation of liquid water cooling for a proton exchange membrane fuel cell stack	2011	Heat Transfer Engineering	32	2		151	167		23
Tsotsas, E., Mujumdar, A.S.	Modern Drying Technology	2011	Modern Drying Technology	1					320	3
Mujumdar, A.S. , Tsotsas, E.	Series Preface	2011	Modern Drying Technology	2			XIII	XVI		
Mujumdar, A.S. , Tsotsas, E.	Preface of Volume 2	2011	Modern Drying Technology	2			XVII	XXII		
Mujumdar, A.S. , Tsotsas, E.	Modern Drying Technology	2011	Modern Drying Technology	2					374	1
Tsotsas, E., Mujumdar, A.S.	Series Preface	2011	Modern Drying Technology	1			xi	xiv		
Tsotsas, E., Mujumdar, A.S.	Preface of Volume 1	2011	Modern Drying Technology	1			xv	xx		
Gong, Z.-X., Stanovský, J., Mujumdar, A.S.	Energy audit of a fiberboard drying production line using simprosys software	2011	Drying Technology	29	4		408	418		4
Mujumdar, A.S.	Editorial: R&D as a growth engine for national economies	2011	Drying Technology	29	3		255	256		1
Jangam, S.V., Karthikeyan, M., Mujumdar, A.S.	A critical assessment of industrial coal drying technologies: Role of	2011	Drying Technology	29	4		395	407		21

	energy, emissions, risk and sustainability									
Mujumdar, A.S.	Editorial: Development of new industrial drying technologies	2011	Drying Technology	29	11		1249	1250		2
Wang, Y., Zhang, M., Mujumdar, A.S.	Trends in processing technologies for dried aquatic products	2011	Drying Technology	29	4		382	394		17
Bait, R.G., Pawar, S.B., Banerjee, A.N., Mujumdar, A.S. , Thorat, B.N.	Mechanically agitated fluidized bed drying of cohesive particles at low air velocity	2011	Drying Technology	29	7		808	818		4
Mujumdar, A.S.	Editorial: Some thoughts on R&D	2011	Drying Technology	29	15		1759			
Osman, H., Jangam, S.V., Lease, J.D., Mujumdar, A.S.	Drying of low-rank coal (LRC)-A Review of recent patents and innovations	2011	Drying Technology	29	15		1763	1783		19
Kurnia, J.C., Sasmito, A.P., Mujumdar, A.S.	Evaluation of the heat transfer performance of helical coils of non-circular tubes	2011	Journal of Zhejiang University: Science A	12	1		63	70		13
Mujumdar, A.S.	Editorial: The global R&D scene-challenges and opportunities	2011	Drying Technology	29	4		381			
Jiang, H., Zhang, M., Mujumdar, A.S.	Microwave freeze-drying characteristics of banana crisps	2010	Drying Technology	28	12		1377	1384		14
Sasmito, A.P., Birgersson, E., Mujumdar, A.S.	Computational study of flow reversal for improved thermal management in a PEMFC stack with forced air convection cooling	2010	2010 14th International Heat Transfer Conference, IHTC 14	5			81	90		
Duan, X., Zhang,	A novel dielectric drying	2010	International	45	12		2538	2545		3

M., Mujumdar, A.S. , Huang, L.L., Wang, H.	method of sea cucumber		Journal of Food Science and Technology							
Ghasemi, N., Sohrabi, M., Khosravi, M., Mujumdar, A.S. , Goodarzi, M.	CFD simulation of solid-liquid flow in a two impinging streams cyclone reactor: Prediction of mean residence time and holdup of solid particles	2010	Chemical Engineering and Processing: Process Intensification	49	12		1277	1283		7
Mujumdar, A.S.	Editorial: Contribution of drying technology to global drying R&D effort	2010	Drying Technology	28	11		1233	1234		
Wang, R., Zhang, M., Mujumdar, A.S.	Effects of vacuum and microwave freeze drying on microstructure and quality of potato slices	2010	Journal of Food Engineering	101	2		131	139		26
Jiang, H., Zhang, M., Mujumdar, A.S.	Physico-chemical changes during different stages of MFD/FD banana chips	2010	Journal of Food Engineering	101	2		140	145		15
Mujumdar, A.S.	Editorial: Some thoughts on open innovation	2010	Drying Technology	28	10		1125			
Yan, W.-Q., Zhang, M., Huang, L.-L., Tang, J., Mujumdar, A.S. , Sun, J.-C.	Studies on different combined microwave drying of carrot pieces	2010	International Journal of Food Science and Technology	45	10		2141	2148		17
Mujumdar, A.S.	Editorial: R&D-how to evaluate value of R&D	2010	Drying Technology	28	9		1033			1
Yang, Z., Su, A., Mujumdar, A.S. , Lee, D.-J.	Electroosmotic flows in sludge at dewatering	2010	Drying Technology	28	9		1113	1117		3
Gong, Z., Zhang, M., Bhandari, B.,	Rheological properties of cabbage pulp	2010	International Journal of Food	13	5		1066	1073		1

Mujumdar, A.S., Jin-Cai, S.			Properties							
Sasmito, A.P., Lum, K.W., Birgersson, E., Mujumdar, A.S.	Computational study of forced air-convection in open-cathode polymer electrolyte fuel cell stacks	2010	Journal of Power Sources	195	17		5550	5563		20
Wang, R., Zhang, M., Mujumdar, A.S.	Effect of food ingredient on microwave freeze drying of instant vegetable soup	2010	LWT - Food Science and Technology	43	7		1144	1150		24
Mujumdar, A.S.	Editorial: Research & development: Why is sustainable support important?	2010	Drying Technology	28	8		927	928		
Xu, P., Mujumdar, A.S., Poh, H.J., Yu, B.	Heat transfer under a pulsed slot turbulent impinging jet at large temperature differences	2010	Thermal Science	14	1		271	281		12
Xu, P., Yu, B., Qiu, S., Poh, H.J., Mujumdar, A.S.	Turbulent impinging jet heat transfer enhancement due to intermittent pulsation	2010	International Journal of Thermal Sciences	49	7		1247	1252		24
Mujumdar, A.S.	Editorial: How not to do R & D	2010	Drying Technology	28	7		831	832		
Cheng, Y.-L., Wong, R.-J., Lin, J.C.-T., Huang, C., Lee, D.-J., Mujumdar, A.S.	Water coagulation using electrostatic patch coagulation (EPC) mechanism	2010	Drying Technology	28	7		850	857		5
Hsu, J.-P., Su, A., Mujumdar, A.S., Lee, D.-J.	Unified analysis of dewatering and drying of sludge cake	2010	Drying Technology	28	7		877	880		7
Wu, Z.H., Hu, Y.J., Lee, D.J.,	Dewatering and drying in mineral processing	2010	Drying Technology	28	7		834	842		13

Mujumdar, A.S., Li, Z.Y.	industry: Potential for innovation									
Yu, G.-H., He, P.-J., Shao, L.-M., Lee, D.-J., Mujumdar, A.S.	Extracellular polymeric substances (EPS) and extracellular enzymes in aerobic granules	2010	Drying Technology	28	7		910	915		7
Hsu, J.-P., Tao, T., Su, A., Mujumdar, A.S., Lee, D.-J.	Model for sludge cake drying accounting for developing cracks	2010	Drying Technology	28	7		922	926		12
Mujumdar, A.S.	Editorial on measurement of outcome of R&D	2010	Drying Technology	28	6		743	744		1
Yan, W., Zhang, M., Huang, L.-L., Tang, J., Mujumdar, A.S., Sun, J.-C.	Study of the optimisation of puffing characteristics of potato cubes by spouted bed drying enhanced with microwave	2010	Journal of the Science of Food and Agriculture	90	8		1300	1307		13
Wang, R., Zhang, M., Mujumdar, A.S.	Effect of osmotic dehydration on microwave freeze-drying characteristics and quality of potato chips	2010	Drying Technology	28	6		798	806		14
Pang, S., Mujumdar, A.S.	Drying of woody biomass for bioenergy: Drying technologies and optimization for an integrated bioenergy plant	2010	Drying Technology	28	5		690	701		15
Mujumdar, A.S.	Editorial: Is R & D in a hot field really cool?	2010	Drying Technology	28	5		563	564		
Mujumdar, A.S., Law, C.L.	Drying Technology: Trends and Applications in Postharvest Processing	2010	Food and Bioprocess Technology	3	6		843	852		61
Wu, G.-C., Zhang, M., Mujumdar,	Effect of calcium ion and microwave power on	2010	Drying Technology	28	4		517	522		12

A.S., Wang, R.	structural and quality changes in drying of apple slices									
Woo, M.W., Mujumdar, A.S.	Effects of electric and magnetic field on freezing and possible relevance in freeze drying	2010	Drying Technology	28	4		433	443		12
Mujumdar, A.S.	Editorial on industry-academia collaboration in R&D	2010	Drying Technology	28	4		431	432		1
Duan, X., Zhang, M., Mujumdar, S., Wang, R.	Trends in microwave-assisted freeze drying of foods	2010	Drying Technology	28	4		444	453		26
Woo, M.W., Daud, W.R.W., Mujumdar, A.S. , Tasirin, S.M., Talib, M.Z.M.	Role of rheological characteristics in amorphous food particle-wall collisions in spray drying	2010	Powder Technology	198	2		251	257		5
Mujumdar, A.S.	Editorial	2010	Drying Technology	28	3		321	321		
Zhang, C.H., Huang, L.X., Wang, C.P., Mujumdar, A.S.	Experimental and numerical investigation of spray-drying parameters on the dried powder properties of ginkgo biloba seeds	2010	Drying Technology	28	3		380	388		9
Huang, L.X., Mujumdar, A.S.	Guest Editorial: Recent R&D in liquid drying	2010	Drying Technology	28	3		322	322		
Mujumdar, A.S. , Huang, L.-X., Dong Chen, X.	An overview of the recent advances in spray-drying	2010	Dairy Science and Technology	90	3-Feb		211	224		6
Wang, X.-Q., Xu, P., Mujumdar, A.S. , Yap, C.	Flow and thermal characteristics of offset branching network	2010	International Journal of Thermal Sciences	49	2		272	280		24
Duan, X., Zhang,	Microwave freeze drying	2010	Journal of Food	96	4		491	497		40

M., Mujumdar, A.S. , Wang, S.	of sea cucumber (Stichopus japonicus)		Engineering							
Mujumdar, A.S.	Editorial: Evaluation of R&D productivity	2010	Drying Technology	28	2		117	117		
Gong, Z., Gao, L., An, J., Zhang, M., Mujumdar, A.S. , Sun, J.	Effects of predrying and vacuum impregnation with Nano-calcium carbonate solution on strawberries, carrots, corn, and blueberries	2010	Drying Technology	28	1		36	41		2
Li, Z., Su, W., Wu, Z., Wang, R., Mujumdar, A.S.	Investigation of flow behaviors and bubble characteristics of a pulse fluidized bed via CFD modeling	2010	Drying Technology	28	1		78	93		7
Gong, Z.-X., Mujumdar, A.S.	Simulation of drying nonaqueous systems-an application of simprosys software	2010	Drying Technology	28	1		111	115		6
Mahbub, F., Hawlader, M.N.A., Mujumdar, A.S.	Exergoeconomic analyses of a Combined Water and Power Plant (CWPP)	2009	Proceedings of the ASME 3rd International Conference on Energy Sustainability 2009, ES2009	1			1017	1024		
Zhonghua, W., Mazumdar, D., Mujumdar, A.S.	Optimization of post combustion in an electric arc furnace for advanced steelmaking	2009	The Minerals, Metals and Materials Society - 3rd International Conference on Processing Materials for Properties 2008,	1			261	266		

			PMP III							
Poh, H.J., Birgersson, E., Mujumdar, A.S.	Enhanced performance with an impinging jet flow configuration for PEMFC	2009	Proceedings of the ASME 3rd International Conference on Energy Sustainability 2009, ES2009	1			275	284		
Mujumdar, A.S. , Law, C.L.	Drying technology: Trends and applications in postharvest processing	2009		4	13					
Kurnia, J.C., Birgersson, E., Mujumdar, A.S. , Quah, L.C.	Mathematical modeling of hydrogels for microfluidic flow control	2009	Advanced Materials Research	74			33	36		4
Zhonghua, W., Mujumdar, A.S.	Novel gas-fired pulse combustors-design evaluation via simulation	2009	The Minerals, Metals and Materials Society - 3rd International Conference on Processing Materials for Properties 2008, PMP III	1			285	290		
Jangam, S.V., Mujumdar, A.S. , Thorat, B.N.	Design of an efficient gas distribution system for a fluidized bed dryer	2009	Drying Technology	27	11		1217	1228		3
Mujumdar, A.S.	Editorial role of intellectual property in journal publication	2009	Drying Technology	27	11		1169	1169		
Xu, P., Wang, X.Q., Mujumdar, A.S. , Yap, C., Yu, B.M.	Thermal characteristics of tree-shaped microchannel nets with/without loops	2009	International Journal of Thermal Sciences	48	11		2139	2147		19

Mujumdar, A.S.	Editorial	2009	Drying Technology	27	10		1017			
Wang, R., Zhang, M., Mujumdar, A.S. , Sun, J.-C.	Microwave freeze-drying characteristics and sensory quality of instant vegetable soup	2009	Drying Technology	27	9		962	968		27
Song, X.-J., Zhang, M., Mujumdar, A.S. , Fan, L.	Drying characteristics and kinetics of vacuum microwave-dried potato slices	2009	Drying Technology	27	9		969	974		29
Huang, L.-L., Zhang, M., Mujumdar, A.S. , Sun, D.-F., Tan, G.-W., Tang, S.	Studies on decreasing energy consumption for a freeze-drying process of apple slices	2009	Drying Technology	27	9		938	946		23
Mujumdar, A.S.	Editorial: Case for a global project on green drying technologies	2009	Drying Technology	27	6		725			
Mujumdar, A.S.	Editorial	2009	Drying Technology	27	4		521			
Piacentini, R., Mujumdar, A.	Climate change and drying of agricultural products	2009	Drying Technology	27	5		629	635		8
Xu, P., Mujumdar, A.S. , Yu, B.	Drying-induced cracks in thin film fabricated from colloidal dispersions	2009	Drying Technology	27	5		636	652		27
Mujumdar, A.S.	Editorial: Future of engineering education	2009	Drying Technology	27	5		627	628		2
Yun, L., Wang, B., Jing, D., Lv, X., Yu, C., Wang, G., Huang, L., Mujumdar, A.S.	Drying kinetics of magnesium hydroxide of different morphological micro nanostructures	2009	Drying Technology	27	4		523	528		4
Mujumdar, A.S.	Editorial	2009	Drying Technology	27	7		829			
Huang, L.-l., Zhang, M., Yan, W.-q.,	Effect of coating on post-drying of freeze-dried strawberry pieces	2009	Journal of Food Engineering	92	1		107	111		21

Mujumdar, A.S., Sun, D.-f.										
Kandasamy, R., Mujumdar, A.S.	Interface thermal characteristics of flip chip packages - A numerical study	2009	Applied Thermal Engineering	29	6-May		822	829		14
Mujumdar, A.S.	Editorial	2009	Drying Technology	27	3		315			
Karthikeyan, M., Zhonghua, W., Mujumdar, A.S.	Low-rank coal drying technologies - Current status and new developments	2009	Drying Technology	27	3		403	415		71
Zhonghua, W., Mujumdar, A.S.	Guest editorial	2009	Drying Technology	27	2		171	172		
Xu, P., Wu, Z., Mujumdar, A.S. , Yu, B.	Innovative hydrocyclone inlet designs to reduce erosion-induced wear in mineral dewatering processes	2009	Drying Technology	27	2		201	211		12
Xu, H.S., Zhang, M., Duan, X., Mujumdar, A., Sun, J.	Effect of power ultrasound pretreatment on edamame prior to freeze drying	2009	Drying Technology	27	2		186	193		15
Mujumdar, A.S.	Editorial	2009	Drying Technology	27	2		169	170		
Mujumdar, A.S.	Editorial	2009	Drying Technology	27	1		1	2		
Banooni, S., Hosseinalipour, S.M., Mujumdar, A.S. , Taherkhani, P., Bahiraee, M.	Baking of flat bread in an impingement oven: Modeling and optimization	2009	Drying Technology	27	1		103	112		6
Woo, M.W., Daud, W.R.W., Mujumdar, A.S. , Wu, Z., Talib, M.Z.M., Tasirin,	Non-swirling steady and transient flow simulations in short-form spray dryers	2009	Chemical Product and Process Modeling	4	1	20				10

S.M.										
Mahbub, F., Hawlater, M.N.A., Mujumdar, A.S.	Combined water and power plant (CWPP) - A novel desalination technology	2009	Desalination and Water Treatment	5	3-Jan		172	177		6
Chin, S.K., Law, C.L., Supramaniam, C.V., Cheng, P.G., Mujumdar, A.	Convective drying of Ganoderma tsugae Murrill and effect of temperature on basidiospores	2008	Drying Technology	26	12		1524	1533		8
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	12		1407			
Rahman, S.M.A., Mujumdar, A.S.	A novel atmospheric freeze-drying system using a vortex tube and multimode heat supply	2008	International Journal of Postharvest Technology and Innovation	1	3		249	266		2
Huang, L.X., Mujumdar, A.S.	The effect of rotary disk atomizer RPM on particle size distribution in a semi-industrial spray dryer	2008	Drying Technology	26	11		1319	1325		8
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	11		1305			
Wang, X.-Q., Mujumdar, A.S.	A review on nanofluids - Part I: Theoretical and numerical investigations	2008	Brazilian Journal of Chemical Engineering	25	4		613	630		152
Wang, X.-Q., Mujumdar, A.S.	A review on nanofluids - Part II: Experiments and applications	2008	Brazilian Journal of Chemical Engineering	25	4		631	648		120
Mujumdar, A.	Editorial	2008	Drying Technology	26	10		1171			
Woo, M.W., Daud, W.R.W., Mujumdar, A.S. , Wu, Z.-H., Talib, M.Z.M., Tasirin,	CFD evaluation of droplet drying models in a spray dryer fitted with a rotary atomizer	2008	Drying Technology	26	10		1180	1198		36

S.M.										
Białobrzewski, I., Zielińska, M., Mujumdar, A.S. , Markowski, M.	Heat and mass transfer during drying of a bed of shrinking particles - Simulation for carrot cubes dried in a spout-fluidized-bed drier	2008	International Journal of Heat and Mass Transfer	51	19-20		4704	4716		35
Lou, Z.Q., Yap, C., Mujumdar, A.S.	A numerical study of a heat sink fin under a laminar impinging jet	2008	Journal of Electronic Packaging, Transactions of the ASME	130	3		345011	345015		3
Woo, M.W., Daud, W.R.W., Mujumdar, A.S. , Talib, M.Z.M., Hua, W.Z., Tasirin, S.M.	Comparative study of droplet drying models for CFD modelling	2008	Chemical Engineering Research and Design	86	9		1038	1048		22
Duan, X., Zhang, M., Li, X., Mujumdar, A.S.	Microwave freeze drying of sea cucumber coated with nanoscale silver	2008	Drying Technology	26	4		413	419		38
Rahman, S.M.A., Mujumdar, A.S.	A novel atmospheric freeze-drying system using a vibro-fluidized bed with adsorbent	2008	Drying Technology	26	4		393	403		16
Jangam, S.V., Joshi, V.S., Mujumdar, A.S. , Thorat, B.N.	Studies on dehydration of sapota (Achras zapota)	2008	Drying Technology	26	3		369	377		27
Duan, X., Zhang, M., Li, X., Mujumdar, A.	Ultrasonically enhanced osmotic pretreatment of sea cucumber prior to microwave freeze drying	2008	Drying Technology	26	4		420	426		27
Chen, H.-H.,	Development and	2008	Drying Technology	26	4		503	507		11

Huang, T.-C., Tsai, C.-H., Mujumdar, A.	performance analysis of a new solar energy-assisted photocatalytic dryer									
Pawar, S.B., Kumar, P.S.R., Mujumdar, A.S. , Thorat, B.N.	Infrared-convective drying of organic pigments	2008	Drying Technology	26	3		315	322		6
Mujumdar, A.S. , Zhonghua, W.	Editorial	2008	Drying Technology	26	4		389	390		1
Mujumdar, A.	Editorial	2008	Drying Technology	26	3		257			
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	9		1087			
Wang, X.-Q., Yap, C., Mujumdar, A.S.	A parametric study of phase change material (PCM)-based heat sinks	2008	International Journal of Thermal Sciences	47	8		1055	1068		33
Wu, D., Peng, X.- F., Su, A., Mujumdar, A., Hsu, C., Lee, D.-J.	Heat and mass transfer in unsaturated porous cake with heated walls	2008	Drying Technology	26	8		1079	1085		6
Yang, Z., Lee, D.- J., Mujumdar, A., Peng, X.-F., Su, A., Hsu, C.	Probing heterogeneous structure of aggregates	2008	Drying Technology	26	8		1018	1023		9
Min, Q., Duan, Y.- Y., Peng, X.-F., Mujumdar, A., Hsu, C., Lee, D.-J.	Froth flotation of mineral particles: Mechanism	2008	Drying Technology	26	8		985	995		3
Mujumdar, A.	Editorial	2008	Drying Technology	26	8		983			
Sung, S.-S., Ju, S.- P., Hsu, C., Mujumdar, A.S. , Lee, D.-J.	Floc strength evaluation at alternative shearing with presence of natural organic matters	2008	Drying Technology	26	8		996	1001		8
Patel, A.K., Waje, S.S., Thorat, B.N., Mujumdar, A.S.	Tomographic diagnosis of gas maldistribution in gas- solid fluidized beds	2008	Powder Technology	185	3		239	250		13

Banooni, S., Hosseinalipour, S.M., Mujumdar, A.S. , Taheran, E., Bahiraei, M., Taherkhani, P.	Baking of flat bread in an impingement oven: An experimental study of heat transfer and quality aspects	2008	Drying Technology	26	7		902	909		8
Mujumdar, A.	Editorial	2008	Drying Technology	26	7		815			
Rahman, S.M.A., Mujumdar, A.S.	A novel atmospheric freeze-dryer using vortex tube and multimode heat input: Simulation and experiments	2008	Asia-Pacific Journal of Chemical Engineering	3	4		408	416		1
Banooni, S., Hosseinalipour, S.M., Mujumdar, A.S. , Taheran, E., Mashaieki, M.	Impingement heat transfer effects on baking of flat bread	2008	Drying Technology	26	7		910	919		2
Huang, L., Zhang, M., Mujumdar, A., Zhang, C., Lu, D., Sun, J.	Studies on controlling surface accumulation of glucose on dehydrated cabbage	2008	Drying Technology	26	7		931	935		
Gong, Z.-X., Mujumdar, A.S.	Software for design and analysis of drying systems	2008	Drying Technology	26	7		884	894		8
Xu, P., Mujumdar, A.S. , Yu, B.	Fractal theory on drying: A review	2008	Drying Technology	26	6		640	650		16
Kandasamy, R., Wang, X.-Q., Mujumdar, A.S.	Transient cooling of electronics using phase change material (PCM)-based heat sinks	2008	Applied Thermal Engineering	28	9-Aug		1047	1057		62
Mujumdar, A.	Editorial	2008	Drying Technology	26	6		621	622		
Wang, Z., Peng, X.-F., Mujumdar, A.S. , Su, A., Lee,	Evaporation of ethanol-water mixture drop on horizontal substrate	2008	Drying Technology	26	6		806	810		2

D.-J.										
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	5		523			
Tao, T., Peng, X.-P., Su, A., Lee, D.-J., Mujumdar, A.S.	Modeling convective drying of wet cake	2008	Journal of the Chinese Institute of Chemical Engineers	39	3		287	290		12
Zhonghua, W., Mujumdar, A.S.	CFD modeling of the gas-particle flow behavior in spouted beds	2008	Powder Technology	183	2		260	272		44
Zhonghua, W., Mujumdar, A.S.	Pulse combustion characteristics of various gaseous fuels	2008	Energy and Fuels	22	2		915	924		8
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	2		155			
Chung, L.L., Waje, S.S., Thorat, B.N., Mujumdar, A.S.	Advances and recent developments in thermal drying for bio-origin and agricultural products	2008	Stewart Postharvest Review	4	1	1				3
Kandasamy, R., Mujumdar, A.S.	Thermal analysis of a flip chip ceramic ball grid array (CBGA) package	2008	Microelectronics Reliability	48	2		261	273		8
Gong, Z., Zhang, M., Mujumdar, A., Sun, J.	Spray drying and agglomeration of instant bayberry powder	2008	Drying Technology	26	1		116	121		28
Mujumdar, A.S.	Editorial	2008	Drying Technology	26	1		1	2		
Mujumdar, A., Zhonghua, W.	Thermal drying technologies - Cost-effective innovation aided by mathematical modeling approach	2008	Drying Technology	26	1		146	154		25
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	12		1905			
Kandasamy, R., Wang, X.-Q., Mujumdar, A.S.	Application of phase change materials in thermal management of	2007	Applied Thermal Engineering	27	17-18		2822	2832		74

	electronics									
Song, X.-J., Zhang, M., Mujumdar, A.S.	Optimization of vacuum microwave predrying and vacuum frying conditions to produce fried potato chips	2007	Drying Technology	25	12		2027	2034		20
Song, X.-J., Zhang, M., Mujumdar, A.S.	Effect of vacuum-microwave predrying on quality of vacuum-fried potato chips	2007	Drying Technology	25	12		2021	2026		25
Duan, X., Zhang, M., Mujumdar, A.S.	Study on a combination drying technique of sea cucumber	2007	Drying Technology	25	12		2011	2019		32
Gong, Z.-X., Mujumdar, A.S.	Review of R&D in drying of refractories	2007	Drying Technology	25	12		1917	1925		2
Rahman, S.M.A., Mujumdar, A.S.	Effect of osmotic treatment with concentrated sugar and salt solutions on kinetics and color in vacuum contact drying	2007	Journal of Food Processing and Preservation	31	6		671	687		2
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	11		1799	1800		
Wang, X.-Q., Mujumdar, A.S. , Yap, C.	Effect of bifurcation angle in tree-shaped microchannel networks	2007	Journal of Applied Physics	102	7	73530				24
Duan, X., Zhang, M., Mujumdar, A.S.	Studies on the microwave freeze drying technique and sterilization characteristics of cabbage	2007	Drying Technology	25	10		1725	1731		41
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	10		1591			1
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	9		1585			1
Basu, S., Shivhare, U.S.,	Moisture adsorption isotherms and glass	2007	Drying Technology	25	9		1577	1582		9

Mujumdar, A.S.	transition temperature of xanthan gum									
Liu-Ping, F., Zhang, M., Mujumdar, A.S.	Storage stability of carrot chips	2007	Drying Technology	25	9		1533	1539		2
Piacenitini, R.D., Mujumdar, A.S.	Guest editorial	2007	Drying Technology	25	9		1587	1588		2
Wang, X.-Q., Mujumdar, A.S. , Yap, C.	Effect of orientation for phase change material (PCM)-based heat sinks for transient thermal management of electric components	2007	International Communications in Heat and Mass Transfer	34	7		801	808		39
Wang, S.J., Mujumdar, A.S.	Flow and mixing characteristics of multiple and multi-set opposing jets	2007	Chemical Engineering and Processing: Process Intensification	46	8		703	712		16
Suvarnakuta, P., Devahastin, S., Mujumdar, A.S.	A mathematical model for low-pressure superheated steam drying of a biomaterial	2007	Chemical Engineering and Processing: Process Intensification	46	7		675	683		21
Rahman, S.M.A., Islam, M.R., Mujumdar, A.S.	A study of coupled heat and mass transfer in composite food products during convective drying	2007	Drying Technology	25	8-Jul		1359	1368		22
Islam, Md.R., Thaker, K.S., Mujumdar, A.S.	A diffusion model for a drum dryer subjected to conduction, convection, and radiant heat input	2007	Drying Technology	25	6		1033	1043		8
Konstantopoulos, D.K., Maroulis, V.Z., Karoglou,	Hygroscope: A moisture transfer a simulator for buildings	2007	Drying Technology	25	6		1119	1125		

M., Moropoulou, A., Mujumdar, A.S.										
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	6		943			
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	5		739			
Huang, L., Mujumdar, A.S.	Simulation of an industrial spray dryer and prediction of off-design performance	2007	Drying Technology	25	4		703	714		20
Hu, Q.-G., Zhang, M., Mujumdar, A.S. , Xiao, G.-N., Sun, J.-C.	Performance evaluation of vacuum microwave drying of edamame in deep-bed drying	2007	Drying Technology	25	4		731	736		8
Cao, H., Zhang, M., Mujumdar, A.S. , Xiao, G.-N., Sun, J.-C.	Study on reduction of water activity and storage stability for dehydrated brassica parachinensis with intermediate moisture	2007	Drying Technology	25	4		669	674		
Wang, B., Zhang, W., Zhang, W., Yu, C., Wang, G., Huang, L., Mujumdar, A.S.	Influence of drying processes on agglomeration and grain diameters of magnesium oxide nanoparticles	2007	Drying Technology	25	4		715	721		11
Waje, S.S., Thorat, B.N., Mujumdar, A.S.	Hydrodynamic characteristics of a pilot-scale screw conveyor dryer	2007	Drying Technology	25	4		609	616		3
Mujumdar, A.S. , Huang, L.X.	Global R&D needs in drying	2007	Drying Technology	25	4		647	658		27
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	4		519			
Wang, W., Chen, G., Mujumdar, A.S.	Physical interpretation of solids drying: An overview on mathematical modeling research	2007	Drying Technology	25	4		659	668		18

Yang, G.Y., Shi, Y.Ch., Liu, X.D., Mujumdar, A.S.	TG-DTG Analysis of Chemically Bound Moisture Removal of $AlF_3 \cdot 3H_2O$	2007	Drying Technology	25	4		675	680		3
Xian, H., Liu, Dengying, Shang, F., Yang, Y., Du, X., Mujumdar, A.S. , Huang, L.	Study on heat transfer enhancement of oscillating-flow heat pipe for drying	2007	Drying Technology	25	4		723	729		7
Qgura, H., Yasuda, S., Otsubo, A., Mujumdar, A.S.	Continuous operation of a chemical heat pump	2007	Asia-Pacific Journal of Chemical Engineering	2	2		118	123		7
Wang, S.J., Mujumdar, A.S.	Three-dimensional analysis of flow and mixing characteristics of a novel in-line opposing-jet mixer	2007	Industrial and Engineering Chemistry Research	46	2		632	642		9
Wang, X.-Q., Mujumdar, A.S.	Heat transfer characteristics of nanofluids: a review	2007	International Journal of Thermal Sciences	46	1		1	19		715
Zhonghua, W., Mujumdar, A.S.	Simulation of the hydrodynamics and drying in a spouted bed dryer	2007	Drying Technology	25	1		59	74		42
Li, X.H., Guohua, C., Mujumdar, A.S.	Asia-Pacific Journal of Chemical Engineering: Guest editorial	2007	Asia-Pacific Journal of Chemical Engineering	2	1		1	2		
Mujumdar, A.S.	Editorial	2007	Drying Technology	25	1		1	2		1
Huang, L.X., Mujumdar, A.S.	A computational fluid dynamic study of a low-humidity co-current spray dryer	2007	Asia-Pacific Journal of Chemical Engineering	2	1		12	19		4
Waje, S.S., Thorat, B.N.,	Screw conveyor dryer: Process and equipment	2007	Drying Technology	25	1		241	247		11

Mujumdar, A.S.	design									
Waje, S.S., Patel, A.K., Thorat, B.N., Mujumdar, A.S.	Study of residence time distribution in a pilot-Scale screw conveyor dryer	2007	Drying Technology	25	1		249	259		7
Mujumdar, A.S.	An overview of innovation in industrial drying: Current status and R&D needs	2007	Transport in Porous Media	66	2-Jan		3	18		40
Basu, S., Shivhare, U.S., Mujumdar, A.S.	Erratum: Models for sorption isotherms for foods: A review (Drying Technology (2006) vol. 24 (917-930))	2006	Drying Technology	24	12		1705			2
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	12		1539			
Hu, Q.-g., Zhang, M., Mujumdar, A.S. , Xiao, G.-n., Jin-cai, S.	Drying of edamames by hot air and vacuum microwave combination	2006	Journal of Food Engineering	77	4		977	982		61
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	11		1327			
Fan, L.-P., Zhang, M., Mujumdar, A.S.	Effect of various pretreatments on the quality of vacuum-fried carrot chips	2006	Drying Technology	24	11		1481	1486		8
Zhonghua, W., Mujumdar, A.S.	R&D needs and opportunities in pulse combustion and pulse combustion drying	2006	Drying Technology	24	11		1521	1523		8
Wang, X.-Q., Mujumdar, A.S. , Yap, C.	Thermal characteristics of tree-shaped microchannel nets for cooling of a rectangular heat sink	2006	International Journal of Thermal Sciences	45	11		1103	1112		44
Zhang, M., Tang, J., Mujumdar, A.S.	Trends in microwave-related drying of fruits and	2006	Trends in Food Science and	17	10		524	534		217

A.S., Wang, S.	vegetables		Technology							
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	10		1197			
Lee, D.J., Lai, J.Y., Mujumdar, A.S.	Moisture distribution and dewatering efficiency for wet materials	2006	Drying Technology	24	10		1201	1208		27
Wang, X.-Q., Yap, C., Mujumdar, A.S.	Laminar heat transfer in constructal Microchannel networks with loops	2006	Journal of Electronic Packaging, Transactions of the ASME	128	3		273	280		14
Mujumdar, A.	Editorial	2006	Drying Technology	24	9		1055			
Basu, S., Shivhare, U.S., Mujumdar, A.S.	Models for sorption isotherms for foods: A review	2006	Drying Technology	24	8		917	930		71
Xu, Y., Zhang, M., Mujumdar, A., Duan, X., Jin-cai, S.	A two-stage vacuum freeze and convective air drying method for strawberries	2006	Drying Technology	24	8		1019	1023		17
Qing-guo, H., Min, Z., Mujumdar, A., Wei-hua, D., Jin-cai, S.	Effects of different drying methods on the quality changes of granular edamame	2006	Drying Technology	24	8		1025	1032		33
Mujumdar, A.	Editorial	2006	Drying Technology	24	8		915			
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	7		793			
Kudra, T., Mujumdar, A.S.	Guest editorial	2006	Drying Technology	24	7		795			
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	6		681			
Wu, Z., Mujumdar, A.S.	A parametric study of spray drying of a solution in a pulsating high-temperature turbulent flow	2006	Drying Technology	24	6		751	761		10

Huang, L., Mujumdar, A.S.	Numerical study of two-stage horizontal spray dryers using computational fluid dynamics	2006	Drying Technology	24	6		727	733		20
Huang, L.X., Kumar, K., Mujumdar, A.S.	A comparative study of a spray dryer with rotary disc atomizer and pressure nozzle using computational fluid dynamic simulations	2006	Chemical Engineering and Processing: Process Intensification	45	6		461	470		41
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	5		537			
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	4		411			
Wang, S.J., Devahastin, S., Mujumdar, A.S.	Effect of temperature difference on flow and mixing characteristics of laminar confined opposing jets	2006	Applied Thermal Engineering	26	6-May		519	529		20
Birchal, V.S., Huang, L., Mujumdar, A.S. , Passos, M.L.	Spray dryers: Modeling and simulation	2006	Drying Technology	24	3		359	371		25
Waje, S.S., Thorat, B.N., Mujumdar, A.S.	An experimental study of the thermal performance of a screw conveyor dryer	2006	Drying Technology	24	3		293	301		16
Yong, C.K., Islam, Md.R., Mujumdar, A.S.	Mechanical means of enhancing drying rates: Effect on drying kinetics and quality	2006	Drying Technology	24	3		397	404		17
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	3		253			
Wanjari, A.N., Thorat, B.N., Baker, C.G.J., Mujumdar, A.S.	Design and modeling of plug flow fluid bed dryers	2006	Drying Technology	24	2		147	157		5

Mujumdar, A.S.	Editorial	2006	Drying Technology	24	2		119			
Mujumdar, A.S.	Editorial	2006	Drying Technology	24	1		1			
Cao, H., Zhang, M., Mujumdar, A.S. , Du, W.-H., Sun, J.-C.	Optimization of osmotic dehydration of kiwifruit	2006	Drying Technology	24	1		89	94		26
Wang, X.-Q., Mujumdar, A.S. , Yap, C.	Numerical analysis of blockage and optimization of heat transfer performance of fractal-like microchannel nets	2006	Journal of Electronic Packaging, Transactions of the ASME	128	1		38	45		40
Devahastin, S., Suvarnakuta, P., Mujumdar, A.S.	Recent advances in drying technologies for carrot and sweetpotato	2006	Acta Horticulturae	703			89	96		
Lou, Z.Q., Yap, C., Mujumdar, A.S.	Numerical investigation of laminar impinging jet heat transfer to finned heat sinks	2005	Proceedings of the ASME Summer Heat Transfer Conference	4		HT2005-72091	577	582		2
Lou, Z.Q., Mujumdar, A.S. , Yap, C.	Effects of geometric parameters on confined impinging jet heat transfer	2005	Applied Thermal Engineering	25	17-18		2687	2697		17
Poh, H.J., Kumar, K., Mujumdar, A.S.	Heat transfer from a pulsed laminar impinging jet	2005	International Communications in Heat and Mass Transfer	32	10		1317	1324		29
Huang, L.X., Passos, M.L., Kumar, K., Mujumdar, A.S.	A three-dimensional simulation of a spray dryer fitted with a rotary atomizer	2005	Drying Technology	23	11-Sep		1859	1873		30
Zhao, L., Li, J., Pan, Y., Chen, G., Mujumdar, A.S.	Thermal dehydration methods for fruits and vegetables	2005	Drying Technology	23	11-Sep		2249	2260		7
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	11-		1761	1762		

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Wang, S.J., Mujumdar, A.S.	A numerical study of flow and mixing characteristics of three-dimensional confined turbulent opposing jets: Unequal jets	2005	Chemical Engineering and Processing: Process Intensification	44	10		1068	1074		25
Suvarnakuta, P., Devahastin, S., Mujumdar, A.S.	Drying kinetics and β -carotene degradation in carrot undergoing different drying processes	2005	Journal of Food Science	70	8		S520	S526		38
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	7		1343	1344		
Wang, X.-Q., Yap, C., Mujumdar, A.S.	Effects of two-dimensional roughness in flow in microchannels	2005	Journal of Electronic Packaging, Transactions of the ASME	127	3		357	361		23
Sun, L., Islam, M.R., Ho, J.C., Mujumdar, A.S.	A diffusion model for drying of a heat sensitive solid under multiple heat input modes	2005	Bioresource Technology	96	14		1551	1560		28
Huang, L., Mujumdar, A.S.	Development of a new innovative conceptual design for horizontal spray dryer via mathematical modeling	2005	Drying Technology	23	6		1169	1187		22
Ogura, H., Yamamoto, T., Otsubo, Y., Ishida, H., Kage, H., Mujumdar, A.S.	A control strategy for a chemical heat pump dryer	2005	Drying Technology	23	6		1189	1203		20
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	6		1165			

Jumah, R., Mujumdar, A.S.	Modeling intermittent drying using an adaptive neuro-fuzzy inference system	2005	Drying Technology	23	5		1075	1092		8
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	5		1001			
Xu, Y., Zhang, M., Tu, D., Sun, J., Zhou, L., Mujumdar, A.S.	A two-stage convective air and vacuum freeze-drying technique for bamboo shoots	2005	International Journal of Food Science and Technology	40	6		589	595		34
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	4		999	1000		
Birchal, V.S., Passos, M.L., Wildhagen, G.R.S., Mujumdar, A.S.	Effect of spray-dryer operating variables on the whole milk powder quality	2005	Drying Technology	23	3		611	636		35
Fan, L.-P., Zhang, M., Mujumdar, A.S.	Vacuum frying of carrot chips	2005	Drying Technology	23	3		645	656		38
Mujumdar, A.S.	Editorial	2005	Drying Technology	23	3		413			
Wang, B., Zhang, W., Zhang, W., Mujumdar, A.S., Huang, L.	Progress in drying technology for nanomaterials	2005	Drying Technology	23	1-2 SPEC. ISS.		7	32		41
Li, H., Elias, E., Mujumdar, A.S.	Theoretical simulation of explosive boiling	2005	International Communications in Heat and Mass Transfer	32	5		612	619		4
Zhao, W., Kumar, K., Mujumdar, A.S.	Impingement heat transfer for a cluster of laminar impinging jets issuing from noncircular nozzles	2005	Drying Technology	23	1-2 SPEC. ISS.		105	130		1
Suvarnakuta, P., Devahastin, S.,	Drying kinetics and inversion temperature in a	2005	Industrial and Engineering	44	6		1934	1941		18

Soponronnarit, S., Mujumdar, A.S.	low-pressure superheated steam-drying system		Chemistry Research							
Wang, S.J., Devahastin, S., Mujumdar, A.S.	A numerical investigation of some approaches to improve mixing in laminar confined impinging streams	2005	Applied Thermal Engineering	25	3-Feb		253	269		15
Shi, Y.L., Mujumdar, A.S. , Ray, M.B.	Heat transfer in multiple-turbulent-slot impinging jets of gas-particle suspensions	2005	Numerical Heat Transfer; Part A: Applications	47	2		147	164		9
Sablani, S.S., Kacimov, A., Perret, J., Mujumdar, A.S. , Campo, A.	Non-iterative estimation of heat transfer coefficients using artificial neural network models	2005	International Journal of Heat and Mass Transfer	48	4-Mar		665	679		50
Wang, S.J., Mujumdar, A.S.	A comparative study of five low Reynolds number k-ε models for impingement heat transfer	2005	Applied Thermal Engineering	25	1		31	44		55
Huang, L., Kumar, K., Mujumdar, A.S.	Spray evaporation of different liquids in a drying chamber - Effect on flow, heat and mass transfer performances	2004	Chinese Journal of Chemical Engineering	12	6		737	743		3
Mujumdar, A.S.	Editorial	2004	Drying Technology	22	10		vii	viii		
Goel, M., Hongqiang, H., Mujumdar, A.S. , Ray, M.B.	Sonochemical decomposition of volatile and non-volatile organic compounds - A comparative study	2004	Water Research	38	19		4247	4261		98
Zhao, W., Kumar,	Flow and heat transfer	2004	Drying Technology	22	9		2027	2049		13

K., Mujumdar, A.S.	characteristics of confined noncircular turbulent impinging jets									
Yanyang, X., Min, Z., Mujumdar, A.S. , Le-qun, Z., Jin-cai, S.	Studies on hot air and microwave vacuum drying of wild cabbage	2004	Drying Technology	22	9		2201	2209		81
Devahastin, S., Suvarnakuta, P., Sophonronarit, S., Mujumdar, A.S.	A comparative study of low-pressure superheated steam and vacuum drying of a heat-sensitive material	2004	Drying Technology	22	8		1845	1867		78
Ranjan, R., Irudayaraj, J., Reddy, J.N., Mujumdar, A.S.	Finite-element simulation and validation of stepwise drying of bananas	2004	Numerical Heat Transfer; Part A: Applications	45	10		997	1012		13
Huang, L., Kumar, K., Mujumdar, A.S.	Simulation of a spray dryer fitted with a rotary disk atomizer using a three-dimensional computational fluid dynamic model	2004	Drying Technology	22	6		1489	1515		59
Poh, H.J., Kumar, K., Chiang, H.S., Mujumdar, A.S.	Heat transfer from a laminar impinging jet of a power law fluid	2004	International Communications in Heat and Mass Transfer	31	2		241	249		4
Shi, Y., Mujumdar, A.S. , Ray, M.B.	Effect of large temperature difference on impingement heat transfer under a round turbulent jet	2004	International Communications in Heat and Mass Transfer	31	2		251	260		7
Chua, K.J., Chou, S.K., Mujumdar, A.S. , Ho, J.C.,	Radiant-convective drying of osmotic treated agro-products: Effect on drying	2004	Food Control	15	2		145	158		22

Hon, C.K.	kinetics and product quality									
Mujumdar, A.S.	Research and development in drying: Recent trends and future prospects	2004	Drying Technology	22	2-Jan		1	26		72
Ogura, H., Hamaguchi, N., Kage, H., Mujumdar, A.S.	Energy and cost estimation for application of chemical heat pump dryer to industrial ceramics drying	2004	Drying Technology	22	2-Jan		307	323		11
Zhao, L., Pan, Y., Li, J., Chen, G., Mujumdar, A.S.	Drying of a dilute suspension in a revolving flow fluidized bed of inert particles	2004	Drying Technology	22	2-Jan		363	376		12
Markowski, A.S., Mujumdar, A.S.	Drying risk assessment strategies	2004	Drying Technology	22	2-Jan		395	412		
Chua, K.J., Mujumdar, A.S. , Chou, S.K.	Intermittent drying of bioproducts - An overview	2003	Bioresource Technology	90	3		285	295		66
Ogura, H., Ishida, H., Kage, H., Mujumdar, A.S.	Enhancement of energy efficiency of a chemical heat pump-assisted convective dryer	2003	Drying Technology	21	2		279	292		9
Mujumdar, A.S.	Drying Technology: Editorial	2003	Drying Technology	21	2		vii	viii		1
Shi, Y.L., Mujumdar, A.S. , Ray, M.B.	Parametric Study of Heat Transfer in Turbulent Gas-Solid Flow in Multiple Impinging Jets	2003	Industrial and Engineering Chemistry Research	42	24		6223	6231		4
Shi, Y., Ray, M.B., Mujumdar, A.S.	Numerical study on the effect of cross-flow on turbulent flow and heat transfer characteristics	2003	Drying Technology	21	10		1923	1939		17

	under normal and oblique semi-confined impinging slot jets									
Islam, R., Sablani, S.S., Mujumdar, A.S.	An artificial neural network model for prediction of drying rates	2003	Drying Technology	21	9		1867	1884		32
Li, J., Mason, D.J., Mujumdar, A.S.	A numerical study of heat transfer mechanisms in gas-solids flows through pipes using a coupled CFD and DEM model	2003	Drying Technology	21	9		1839	1866		21
Jia, L.W., Raisul Islam, Md., Mujumdar, A.S.	A simulation study on convection and microwave drying of different food products	2003	Drying Technology	21	8		1549	1574		10
Islam, Md.R., Ho, J.C., Mujumdar, A.S.	Convective drying with time-varying heat input: Simulation results	2003	Drying Technology	21	7		1333	1356		23
Perera, C.O., Jasinghe, V.J., Ng, F.L., Mujumdar, A.S.	The effect of moisture content on the conversion of ergosterol to vitamin D in shiitake mushrooms	2003	Drying Technology	21	6		1091	1099		12
Li, J., Campbell, G.M., Mujumdar, A.S.	Discrete modeling and suggested measurement of heat transfer in gas-solids flows	2003	Drying Technology	21	6		979	994		12
Huang, L., Kumar, K., Mujumdar, A.S.	A parametric study of the gas flow patterns and drying performance of co-current spray dryer: Results of a computational fluid dynamics study	2003	Drying Technology	21	6		957	978		48
Pan, Y.K., Zhao, L.J., Zhang, Y.,	Osmotic dehydration pretreatment in drying of	2003	Drying Technology	21	6		1101	1114		52

Chen, G., Mujumdar, A.S.	fruits and vegetables									
Islam, R., Mujumdar, A.S.	Role of product shrinkage in drying rate predictions using a liquid diffusion model	2003	International Communications in Heat and Mass Transfer	30	3		391	400		13
Huang, L., Kumar, K., Mujumdar, A.S.	Use of computational fluid dynamics to evaluate alternative spray dryer chamber configurations	2003	Drying Technology	21	3		385	412		54
Islam, Md.R., Ho, J.C., Mujumdar, A.S.	Simulation of liquid diffusion-controlled drying of shrinking thin slabs subjected to multiple heat sources	2003	Drying Technology	21	3		413	438		41
Shi, Y., Ray, M.B., Mujumdar, A.S.	Effects of prandtl number on impinging jet heat transfer under a semi-confined turbulent slot jet	2002	International Communications in Heat and Mass Transfer	29	7		929	938		17
Shi, Y., Ray, M.B., Mujumdar, A.S.	Effect of large temperature differences on local nusselt number under turbulent slot impingement jet	2002	Drying Technology	20	9		1803	1825		13
Wang, W., Thorat, B.N., Chen, G., Mujumdar, A.S.	Simulation of fluidized-bed drying of carrot with microwave heating	2002	Drying Technology	20	9		1855	1867		24
Shi, Y., Ray, M.B., Mujumdar, A.S.	Computational study of impingement heat transfer under a turbulent slot jet	2002	Industrial and Engineering Chemistry Research	41	18		4643	4651		47
Chen, G., Yue, P.L., Mujumdar,	Sludge dewatering and drying	2002	Drying Technology	20	5-Apr		883	916		99

A.S.										
Chua, K.J., Chou, S.K., Hawlader, M.N.A., Mujumdar, A.S. , Ho, J.C.	Modelling the moisture and temperature distribution within an agricultural product undergoing time-varying drying schemes	2002	Biosystems Engineering	81	1		99	111		12
Nishimura, A., Deguchi, S., Matsuda, H., Hasatani, M., Mujumdar, A.S.	Heat transfer characteristics in a pulsating fluidized bed in relation to bubble characteristics	2002	Heat Transfer - Asian Research	31	4		307	319		4
Sanga, E.C.M., Mujumdar, A.S. , Raghavan, G.S.V.	Simulation of convection-microwave drying for a shrinking material	2002	Chemical Engineering and Processing	41	6		487	499		49
Rostami, A.A., Mujumdar, A.S. , Saniei, N.	Flow and heat transfer for gas flowing in microchannels: A review	2002	Heat and Mass Transfer/Waerme- und Stoffuebertragung	38	5-Apr		359	367		102
Ogura, H., Yamamoto, T., Kage, H., Matsuno, Y., Mujumdar, A.S.	Effects of heat exchange condition on hot air production by a chemical heat pump dryer using CaO/H ₂ O/Ca(OH) ₂ reaction	2002	Chemical Engineering Journal	86	2-Jan		3	10		33
Elustondo, D.M., Mujumdar, A.S. , Urbicain, M.J.	Optimum operating conditions in drying foodstuffs with superheated steam	2002	Drying Technology	20	2		381	402		24
Devahastin, S., Mujumdar, A.S.	A numerical study of flow and mixing characteristics of laminar confined impinging streams	2002	Chemical Engineering Journal	85	3-Feb		215	223		51
Dedic, A.D.,	A three dimensional	2002	Drying Technology	21	1		1	15		8

Mujumdar, A.S., Voronjec, D.K.	model for heat and mass transfer in convective wood drying									
Mujumdar, A.S.	Drying research - Current state and future trends	2002	Developments in Chemical Engineering and Mineral Processing	10	4-Mar		225	246		10
Ho, J.C., Chou, S.K., Chua, K.J., Mujumdar, A.S., Hawlater, M.N.A.	Analytical study of cyclic temperature drying: Effect on drying kinetics and product quality	2002	Journal of Food Engineering	51	1		65	75		31
Mujumdar, A.S., Chen, G.	Special theme issue: Developments in dewatering and drying	2002	Developments in Chemical Engineering and Mineral Processing	10	4-Mar		223	224		
Chen, G., Mujumdar, A.S.	Application of electrical fields in dewatering and drying	2002	Developments in Chemical Engineering and Mineral Processing	10	4-Mar		429	441		15
Uddin, M.S., Hawlater, M.N.A., Ding, L., Mujumdar, A.S.	Degradation of ascorbic acid in dried guava during storage	2002	Journal of Food Engineering	51	1		21	26		54
Chen, G., Wang, W., Mujumdar, A.S.	Theoretical study of microwave heating patterns on batch fluidized bed drying of porous material	2001	Chemical Engineering Science	56	24		6823	6835		45
Pan, Y.K., Li, J.G., Zhao, L.J., Ye,	Performance characteristics of the	2001	Drying Technology	19	8		2003	2018		10

W.H., Mujumdar, A.S. , Kudra, T.	vibrated fluid bed of inert particles for drying of liquid feeds									
Chua, K.J., Mujumdar, A.S. , Hawlader, M.N.A., Chou, S.K., Ho, J.C.	Convective drying of agricultural products. Effect of continuous and stepwise change in drying air temperature	2001	Drying Technology	19	8		1949	1960		37
Mujumdar, A.S.	Recent developments in the drying technologies for the production of particulate materials	2001	Handbook of Powder Technology	10			533	545		3
Zhao, W., Mujumdar, A.S. , Ray, M.B.	Collection efficiencies of various designs of post-cyclone	2001	Canadian Journal of Chemical Engineering	79	5		708	716		3
Ho, J.C., Chou, S.K., Mujumdar, A.S. , Hawlader, M.N.A., Chua, K.J.	An optimisation framework for drying of heat-sensitive products	2001	Applied Thermal Engineering	21	17		1779	1789		18
Devahastin, S., Mujumdar, A.S.	A study of turbulent mixing of confined impinging streams using a new composite turbulence model	2001	Industrial and Engineering Chemistry Research	40	22		4998	5004		20
Ogura, H., Ishida, H., Yokooji, R., Kage, H., Matsuno, Y., Mujumdar, A.S.	Experimental studies on a novel chemical heat pump dryer using a gas-solid reaction	2001	Drying Technology	19	7		1461	1477		6
Tan, M., Chua, K.J., Mujumdar, A.S. , Chou, S.K.	Effect of osmotic pre-treatment and infrared radiation on drying rate and color changes during	2001	Drying Technology	19	9		2193	2207		46

	drying of potato and pineapple									
Chua, K.J., Mujumdar, A.S. , Hawlder, M.N.A., Chou, S.K., Ho, J.C.	Batch drying of banana pieces - Effect of stepwise change in drying air temperature on drying kinetics and product colour	2001	Food Research International	34	8		721	731		84
Devahastin, S., Mujumdar, A.S.	A numerical study of mixing in a novel impinging stream in-line mixer	2001	Chemical Engineering and Processing	40	5		459	470		24
Hawlder, M.N.A., Chou, S.K., Chua, K.J., Ho, J.C., Mujumdar, A.S.	On The Steady-state modelling of a two-stage evaporator system	2001	International Journal of Energy Research	25	10		859	880		7
Devahastin, S., Mujumdar, A.S.	Some hydrodynamic and mixing characteristics of a pulsed spouted bed dryer	2001	Powder Technology	117	3		189	197		19
Jumah, R.Y., Mujumdar, A.S.	Natural convection heat and mass transfer from a vertical flat plate with variable wall temperature and concentration to power-law fluids with yield stress in a porous medium	2001	Chemical Engineering Communications	185			165	182		6
Nishimura, A., Deguchi, S., Matsuda, H., Hasatani, M., Mujumdar, A.S.	Heat transfer characteristics in a pulsated fluidized bed in relation to bubble characteristics	2000	Kagaku Kogaku Ronbunshu	26	6		835	836		3
Sanga, E.,	Experimental results of	2000	2000 ASAE Annual	2			1069	1081		

Mujumdar, A.S., Raghavan, G.S.V.	combined microwave- convection drying of non- homogeneous (composite) materials		Intenational Meeting, Technical Papers: Engineering Solutions for a New Century							
Rostami, A., Saniei, N., Mujumdar, A.S.	Liquid flow and heat transfer in microchannels: A review	2000	International Journal of Heat and Technology	18	2		59	68		29
Nebra, S.A., Silva, M.A., Mujumdar, A.S.	Drying in cyclones - A review	2000	Drying Technology	18	3		791	832		11
Chua, K.J., Mujumdar, A.S., Chou, S.K., Hawlater, M.N.A., Ho, J.C.	Convective drying of banana, guava and potato pieces : Effect of cyclical variations of air temperature on drying kinetics and color change	2000	Drying Technology	18	5- Apr		907	936		73
Chou, S.K., Chua, K.J., Mujumdar, A.S., Hawlater, M.N.A., Ho, J.C.	On the intermittent drying of an agricultural product	2000	Food and Bioproducts Processing: Transactions of the Institution of of Chemical Engineers, Part C	78	4		193	203		30
Khillarkar, D.B., Gong, Z.X., Mujumdar, A.S.	Melting of a phase change material in concentric horizontal annuli of arbitrary cross-section	2000	Applied Thermal Engineering	20	10		893	912		31
Passos, M.L., Mujumdar, A.S.	Effect of cohesive forces on fluidized and spouted beds of wet particles	2000	Powder Technology	110	3		222	238		44
Chua, K.J., Chou, S.K., Ho, J.C.,	Cyclic air temperature drying of guava pieces:	2000	Food and Bioproducts	78	2		72	78		24

Mujumdar, A.S., Hawlater, M.N.A.	Effects on moisture and ascorbic acid contents		Processing: Transactions of the Institution of of Chemical Engineers, Part C							
Ogura, H., Mujumdar, A.S.	Proposal for a novel chemical heat pump dryer	2000	Drying Technology	18	5- Apr		1033	1053		33
Mujumdar, A.S.	Analysis of recent patent literature on drying and dryers	2000	Drying Technology	18	5- Apr		1147	1156		1
Devahastin, S., Mujumdar, A.S.	Evaluation of some transport and thermodynamic properties of superheated steam: Effects of steam temperature and pressure	2000	Drying Technology	18	5- Apr		1055	1071		3
Jumah, R.Y., Mujumdar, A.S.	Free convection heat and mass transfer of non-Newtonian power law fluids with yield stress from a vertical flat plate in saturated porous media	2000	International Communications in Heat and Mass Transfer	27	4		485	494		33
Nishimura, A., Deguchi, S., Matsuda, H., Hasatani, M., Mujumdar, A.S.	Bubble characteristics in a pulsated fluidized bed under intermittent fluidization	2000	Kagaku Kogaku Ronbunshu	26	1		92	93		5
Nishimura, A., Deguchi, S., Matsuda, H., Hasatani, M., Mujumdar, A.S.	Effects of pulse cycle and bed height on hydrodynamic characteristics in a pulsated fluidized bed	1999	Kagaku Kogaku Ronbunshu	25	3		398	399		4
Ng, K.W., Devahastin, S.,	Passive enhancement technique for free	1999	Journal of Chemical	32	3		353	357		

Mujumdar, A.S., Arai, N.	convection-dominated melting of phase change material in horizontal cylindrical annulus		Engineering of Japan							
Gong, Z.-X., Devahastin, S., Mujumdar, A.S.	Enhanced heat transfer in free convection-dominated melting in a rectangular cavity with an isothermal vertical wall	1999	Applied Thermal Engineering	19	12		1237	1251		24
Ogura, H., Shimojyo, R., Kage, H., Matsuno, Y., Mujumdar, A.S.	Simulation of hydration/dehydration of CaO/Ca(OH) ₂ chemical heat pump reactor for cold/hot heat generation	1999	Drying Technology	17	8-Jul		1579	1592		15
Mujumdar, A.S.	International drying symposium series (ids): A personal perspective	1999	Drying Technology	17	2-Jan		XI	XX		2
Devahastin, S., Mujumdar, A.S.	Batch drying of grains in a well-mixed dryer-effect of continuous and stepwise change in drying air temperature	1999	Transactions of the American Society of Agricultural Engineers	42	2		421	425		24
Pan, Y.K., Zhao, L.J., Dong, Z.X., Mujumdar, A.S., Kudra, T.	Intermittent drying of carrot in a vibrated fluid bed: Effect on product quality	1999	Drying Technology	17	10		2323	2340		35
Devahastin, S., Mujumdar, A.S., Raghavan	Hydrodynamic characteristics of a rotating jet annular spouted bed	1999	Powder Technology	103	2		169	174		20
Devahastin, S., Bassila, S., Mujumdar, A.S.	A colorimetric technique to quantify wheat grain damage during drying	1998	Drying Technology	16	2-Jan		341	349		1
Gong, Z.-X.,	A finite element model for	1998	International	8	4		393	408		11

Mujumdar, A.S.	convection-dominated melting and solidification problems		Journal of Numerical Methods for Heat and Fluid Flow							
Shiravi, A.H., Mujumdar, A.S. , Kubes, G.J.	A mathematical model for drum drying of black liquor slurry using superheated steam impinging jets	1998	Canadian Journal of Chemical Engineering	76	6		1069	1077		3
Jumah, R.Y., Mujumdar, A.S. , Raghavan, G.S.V.	Aerodynamics of a novel rotating jet spouted bed	1998	Chemical Engineering Journal	70	3		209	219		9
Gong, Z.-X., Mujumdar, A.S.	Flow and heat transfer in convection-dominated melting in a rectangular cavity heated from below	1998	International Journal of Heat and Mass Transfer	41	17		2573	2580		36
Gong, Z.-X., Mujumdar, A.S. , Itaya, Y., Mori, S., Hasatani, M.	Drying of clay and nonclay media: heat and mass transfer and quality aspects	1998	Drying Technology	16	6		1119	1152		22
Ng, K.W., Gong, Z.X., Mujumdar, A.S.	Heat transfer in free convection-dominated melting of a phase change material in a horizontal annulus	1998	International Communications in Heat and Mass Transfer	25	5		631	640		22
Devahastin, S., Mujumdar, A.S. , Raghavan, G.S.V.	Diffusion-controlled batch drying of particles in a novel rotating jet annular spouted bed	1998	Drying Technology	16	5-Mar		525	543		22
Raghavan, G.S.V., Kalwar, M.I., Mujumdar, A.S.	Static vertical pressure of grains on air inlets of two-dimensional non-aerated spouted beds	1998	Powder Handling and Processing	10	1		21	26		1
Pan, Y.K., Li, Z.Y.,	Drying of a root crop in	1997	Drying Technology	15	1		215	223		8

Mujumdar, A.S., Kudra, T.	vibro-fluidized beds									
Shiravi, A.H., Mujumdar, A.S., Kubes, G.J.	Drum drying of black liquor using superheated steam impinging jets	1997	Drying Technology	15	5		1571	1584		3
Gong, Z.-X., Mujumdar, A.S.	Non-convergence versus non-conservation in effective heat capacity methods for phase change problems	1997	International Journal of Numerical Methods for Heat and Fluid Flow	7	5		565	579		12
Grabowski, S., Mujumdar, A.S., Ramaswamy, H.S., Strumillo, C.	Evaluation of fluidized versus spouted bed drying of baker's yeast	1997	Drying Technology	15	2		625	634		15
Parrouffe, J.M., Dostie, M., Navarri, P., Andrieu, J., Mujumdar, A.S.	Heat and mass transfer relationship in combined infrared and convective drying	1997	Drying Technology	15	2		399	425		7
Eccles, E.R.A., Mujumdar, A.S.	Bubble phenomena in aerated vibrated beds of small particles	1997	Drying Technology	15	1		95	116		14
Pan, Y.K., Wu, H., Li, Z.Y., Mujumdar, A.S., Kudra, T.	Effect of a tempering period on drying of carrot in a vibro-fluidized bed	1997	Drying Technology	15	8-Jun		2037	2043		8
Sablani, S.S., Ramaswamy, H.S., Mujumdar, A.S.	Dimensionless correlations for convective heat transfer to liquid and particles in cans subjected to end-over-end rotation	1997	Journal of Food Engineering	34	4		453	472		10
Passos, M.L., Massarani, G., Freire, J.T.,	Drying of pastes in spouted beds of inert particles: Design criteria	1997	Drying Technology	15	2		605	624		32

Mujumdar, A.S.	and modeling									
Gong, Z.X., Devahastin, S., Mujumdar, A.S.	A two-dimensional finite element model for wheat drying in A novel rotating jet spouted bed	1997	Drying Technology	15	2		575	592		13
Beke, J., Mujumdar, A.S. , Giroux, M.	Some fundamental attributes of corn and potato drying in microwave fields	1997	Drying Technology	15	2		539	554		9
Gong, Z.-X., Mujumdar, A.S.	Thermodynamic optimization of the thermal process in energy storage using multiple phase change materials	1997	Applied Thermal Engineering	17	11		1067	1083		38
Etemad, S.Gh., Mujumdar, A.S. , Nassef, R.	Viscous non-Newtonian forced convection heat transfer in semi-circular and equilateral triangular ducts: An experimental study	1997	International Communications in Heat and Mass Transfer	24	5		609	620		9
Gong, Z.-X., Mujumdar, A.S.	Finite-element analysis of cyclic heat transfer in a shell-and-tube latent heat energy storage exchanger	1997	Applied Thermal Engineering	17	6		583	591		27
Ratti, C., Mujumdar, A.S.	Solar drying of foods: Modeling and numerical simulation	1997	Solar Energy	60	4-Mar		151	157		73
Hosseinalipour, S.M., Mujumdar, A.S.	Flow and thermal characteristics of steady two dimensional confined laminar opposing jets: Part I. Equal jets	1997	International Communications in Heat and Mass Transfer	24	1		27	38		47
Hosseinalipour, S.M., Mujumdar,	Flow and thermal characteristics of steady	1997	International Communications	24	1		39	50		41

A.S.	two dimensional confined laminar opposing jets: part II. Unequal jets		in Heat and Mass Transfer							
Chen, H., Mujumdar, A.S. , Raghavan, G.S.V.	Laboratory experiments on electroosmotic dewatering of vegetable sludge and mine tailings	1996	Drying Technology	14	10		2435	2445		18
Gopalakrishnan, S., Mujumdar, A.S. , Weber, M.E.	Optimal off-time in interrupted electroosmotic dewatering	1996	Separations Technology	6	3		197	200		24
Mujumdar, A.S.	Innovation in drying	1996	Drying Technology	14	6		1459	1475		20
Jumah, R.Y., Mujumdar, A.S. , Raghavan, G.S.V.	A mathematical model for constant and intermittent batch drying of grains in a novel rotating jet spouted bed	1996	Drying Technology	14	4-Mar		765	802		26
Jumah, R.Y., Mujumdar, A.S. , Raghavan, G.S.V.	Batch Drying Kinetics of Corn in a Novel Rotating Jet Spouted Bed	1996	Canadian Journal of Chemical Engineering	74	4		479	486		17
Etemad, S.Gh., Mujumdar, A.S. , Nassef, R.	Simultaneously developing flow and heat transfer of non-Newtonian fluids in equilateral triangular duct	1996	Applied Mathematical Modelling	20	12		898	908		11
Gong, Z.-X., Mujumdar, A.S.	Finite element analysis of a multistage latent heat thermal storage system	1996	Numerical Heat Transfer; Part A: Applications	30	7		669	684		6
Gopalakrishnan, S., Mujumdar, A.S. , Weber, M.E., Pirkonen, P.M.	Electrokinetically enhanced vacuum dewatering of mineral slurries	1996	Filtration and Separation	33	10		928	932		5
Gong, Z.-X., Mujumdar, A.S.	Cyclic heat transfer in a novel storage unit of	1996	Applied Thermal Engineering	16	10		807	815		29

	multiple phase change materials									
Gong, Z.-X., Mujumdar, A.S.	Exergetic analysis of energy storage using multiple phase-change materials	1996	Journal of Energy Resources Technology, Transactions of the ASME	118	3		242	248		5
Gong, Z.-X., Mujumdar, A.S.	Development of drying schedules for one-side-heating drying of refractory concrete slabs based on a finite element model	1996	Journal of the American Ceramic Society	79	6		1649	1658		20
Gong, Z.-X., Mujumdar, A.S.	Enhancement of energy charge-discharge rates in composite slabs of different phase change materials	1996	International Journal of Heat and Mass Transfer	39	4		725	733		42
Pan, Y.K., Pang, J.Z., Li, Z.Y., Mujumdar, A.S. , Kudra, T.	Drying of photosynthetic bacteria in a vibrated fluid bed of solid carriers	1995	Drying Technology	13	2-Jan		395	404		5
Hosseinalipour, S.M., A.S.Mujumdar	Superheated steam drying of a single particle in an impinging stream dryer	1995	Drying Technology	13	7-May		1279	1303		23
Ratti, C., Mujumdar, A.S.	Simulation of packed bed drying of foodstuffs with airflow reversal	1995	Journal of Food Engineering	26	3		259	271		24
Shiravi, A.H., Mujumdar, A.S. , Kubes, G.J.	Numerical study of heat transfer and fluid flow in multiple turbulent impinging jets	1995	Drying Technology	13	7-May		1359	1375		10
Tulasidas, T.N., Raghavan, G.S.V.,	Microwave drying of grapes in a single mode	1995	Drying Technology	13	9-Aug		1949	1971		32

Mujumdar, A.S.	cavity at 2450 MHz -1: Drying kinetics									
Hosseinalipour, S.M., Mujumdar, A.S.	Flow, heat transfer and particle drying characteristics in confined opposing turbulent jets: A numerical study	1995	Drying Technology	13	3		753	781		19
Hosseinalipour, S.M., Mujumdar, A.S.	Comparative evaluation of different turbulence models for confined impinging and opposing jet flows	1995	Numerical Heat Transfer; Part A: Applications	28	6		647	666		66
Gong, Z.-X., Mujumdar, A.S.	A two-dimensional finite element model for kiln- drying of refractory concrete	1995	Drying Technology	13	3		585	605		5
Poirier, N.A., Crotagino, R.H., Mujumdar, A.S. , Douglas, W.J.M.	Effect of superheated steam drying on the properties of paper from chemical pulp	1995	Journal of Pulp and Paper Science	21	11		J374	J378		7
Gong, Zhen- Xiang, Mujumdar, Arun S.	Simultaneous iteration procedure for the finite element solution of the enthalpy model for phase change heat conduction problems	1995	International Journal of Numerical Methods for Heat and Fluid Flow	5	7		589	600		1
Etemad, S.Gh., Mujumdar, A.S.	Effects of variable viscosity and viscous dissipation on laminar convection heat transfer of a power law fluid in the entrance region of a semi- circular duct	1995	International Journal of Heat and Mass Transfer	38	12		2225	2238		27
Gong, Zhen-	New solar receiver	1995	Journal of Solar	117	3		215	220		25

Xiang, Mujumdar, A.S.	thermal store for space-based activities using multiple composite phase-change materials		Energy Engineering, Transactions of the ASME							
Gong, Zhen-Xiang, Mujumdar, Arun S.	Noniterative procedure for the finite-element solution of the enthalpy model for phase-change heat conduction problems	1995	Numerical Heat Transfer, Part B: Fundamentals	27	4		437	446		2
Gong, Z.-X., Mujumdar, A.S.	The influence of an impermeable surface on pore steam pressure during drying of refractory concrete slabs	1995	International Journal of Heat and Mass Transfer	38	7		1297	1303		6
Seyedein, S.H., Hasan, M., Mujumdar, A.S.	Turbulent flow and heat transfer from confined multiple impinging slot jets	1995	Numerical Heat Transfer; Part A: Applications	27	1		35	51		39
Shibata, Hiromichi, Mujumdar, Arun S.	Steam drying technologies: Japanese R & D	1994	Drying Technology	12	6		1485	1524		37
Grabowski, S., Mujumdar, A.S. , Ramaswamy, H.S., Strumillo, C.	Osmo-convective drying of grapes	1994	Drying Technology	12	5		1211	1219		15
Bond, J.F., Mujumdar, A.S. , van Heiningen, A.R.P., Douglas, W.J.M.	Drying paper by impinging jets of superheated steam. Part I: constant drying rate in superheated steam	1994	Canadian Journal of Chemical Engineering	72	3		446	451		8
Bond, J.F., Mujumdar, A.S. , van Heiningen,	Drying paper by impinging jets of superheated steam. Part 2: comparison of	1994	Canadian Journal of Chemical Engineering	72	3		452	456		12

A.R.P., Douglas, W.J.M.	steam and air as drying fluids									
Poirier, N.A., Crotogino, R.H., Mujumdar, A.S. , Douglas, W.J.M.	Effect of superheated steam drying on the properties of TMP paper	1994	Journal of Pulp and Paper Science	20	4		J97	J102		8
Etemad, S.Gh., Mujumdar, A.S.	The effect of aspect ratio and rounded corners on the laminar forced convection heat transfer of a non Newtonian fluid in the entrance region of a rectangular duct	1994	International Communications in Heat and Mass Transfer	21	2		283	296		6
Seyedein, S.H., Hasan, M., Mujumdar, A.S.	Laminar flow and heat transfer from multiple impinging slot jets with an inclined confinement surface	1994	International Journal of Heat and Mass Transfer	37	13		1867	1875		22
Rabie, H.R., Mujumdar, A.S. , Weber, M.E.	Interrupted electroosmotic dewatering of clay suspensions	1994	Separations Technology	4	1		38	46		36
Passos, M.L., Mujumdar, A.S. , Massarani, G.	Scale-up of spouted bed dryers: Criteria and applications	1994	Drying Technology	12	2-Jan		351	391		6
Seyedein, S.H., Hasan, M., Mujumdar, A.S.	Modelling of a single confined turbulent slot jet impingement using various $k - \epsilon$ turbulence models	1994	Applied Mathematical Modelling	18	10		526	537		36
Rabie, H.R., Mujumdar, A.S. , Weber, M.E.	Electroosmotic dewatering of bentonite in thin beds	1994	Separations Technology	4	3		180	182		8
Kalwar, M.I.,	Circulation of particles in	1993	Powder	77	3		233	242		23

Raghavan, G.S.V., Mujumdar, A.S.	two-dimensional spouted beds with draft plates		Technology							
Gong, Zhen-Xiang, Mujumdar, Arun S.	Model for kiln-drying of refractory concrete slabs	1993	Drying Technology	11	7		1617	1639		5
Timofeev, O., Mujumdar, A.S.	Press drying, condebelt drying and impulse drying of paper. A selective bibliography	1993	Drying Technology	11	7		1885	1902		1
Beke, Janos, Vas, Attila, Mujumdar, Arun S.	Impact of process parameters on the nutritional value of convectively dried grains	1993	Drying Technology	11	6		1415	1428		3
Ratti, C., Mujumdar, A.S.	Fixed-bed batch drying of shrinking particles with time varying drying air conditions	1993	Drying Technology	11	6		1311	1335		22
Jumah, Rami Y., Mujumdar, Arun S.	PC program for preliminary design of a continuous well-mixed fluid bed dryer	1993	Drying Technology	11	4		831	846		10
Huang, B., Mujumdar, A.S.	Use of neural network to predict industrial dryer performance	1993	Drying Technology	11	3		525	541		67
Beke, Janos, Mujumdar, Arun S.	Influence of drying conditions on the fragility of corn kernels	1993	Drying Technology	11	3		603	614		3
Passos, M.L., Mujumdar, A.S. , Raghavan, V.S.G.	Prediction of the maximum spoutable bed height in two-dimensional spouted beds	1993	Powder Technology	74	2		97	105		26
Hirosue, H., Mujumdar, A.S.	Effect of particle cascade from flights on heat	1993	Drying Technology	11	1		195	207		2

	transfer and pressure drop in rotary dryers and coolers									
Tulasidas, T.N., Kudra, T., Raghavan, G.S.V., Mujumdar, A.S.	Effect of bed height on simultaneous heat and mass transfer in a two-dimensional spouted bed dryer	1993	International Communications in Heat and Mass Transfer	20	1		79	88		5
Kalwar, M.I., Raghavan, G.S.V., Mujumdar, A.S.	Spouting of two-dimensional beds with draft plates	1992	Canadian Journal of Chemical Engineering	70	5		887	894		21
Lawal, A., Mujumdar, A.S.	The effects of viscous dissipation on heat transfer to power law fluids in arbitrary cross-sectional ducts	1992	Wärme- und Stoffübertragung	27	7		437	446		13
Alikhani, Z., Raghavan, G.S.V., Mujumdar, A.S.	Adsorption drying of corn in zeolite granules using a rotary drum	1992	Drying Technology	10	3		783	797		6
Shivhare, U.S., Raghavan, G.S.V., Bosisio, R.G., Mujumdar, A.S.	Microwave drying of corn III. Constant power intermittent operation	1992	Transactions of the American Society of Agricultural Engineers	35	3		959	962		21
Zhang, Dongshan, Mujumdar, A.S.	Deformation and stress analysis of porous capillary bodies during intermittent volumetric thermal drying	1992	Drying Technology	10	2		421	443		33
Mujumdar, A.S.	Advances in drying. Vol. 5	1992								
Malhotra, Karun, Mujumdar, Arun S.	Particle flow and contact heat transfer characteristics of stirred granular beds	1992	Drying Technology	10	1		51	80		9

Eccles, Errol R.A., Mujumdar, Arun S.	Correlation for cylinder-to-bed heat transfer in aerated vibrated beds of small particles	1992	Drying Technology	10	1		165	187		4	
Mujumdar, A.S. , Mashelkar, R.A.	Advances in transport processes VIII	1992								3	
Shi-Ruo, Chen, Jin-Yong, Chen, Mujumdar, Arun S.	Preliminary study of steam drying of silkworm cocoons	1992	Drying Technology	10	1		251	260		21	
Eccles, E.R.A., Mujumdar, A.S.	Particle flow patterns and mixing in aerated vibrated beds of small particles	1992	POWDER HANDLING & PROCESSING	4	1		39	45		1	
Eccles, Errol R.A., Mujumdar, Arun S.	Cylinder-to-bed heat transfer in aerated vibrated beds of small particles	1992	Drying Technology	10	1		139	164		4	
Shivhare, U.S., Raghavan, G.S.V., Kundra, T., Mujumdar, A.S. , van de Voort, F.R.	Through-circulation microwave drying of corn	1991	Drying '91				414	422		2	
Chen, Shi-Ruo, Cherr, Jin-Yong, Mujumdar, Arun S.	Preliminary study on silkworm cocoons drying	1991	Drying '91				620	627		2	
Gong, Z.-X., Zhang, Y.-F., Mujumdar, A.S.	Cyclic phase change heat conduction in thin composite slabs	1991	Computational Modelling of Free and Moving Boundary Problems					105	119		8
Hasan, M., Mujumdar, A.S. , Weber, M.E.	Cyclic melting and freezing	1991	Chemical Engineering Science	46	7		1573	1587		28	
Gong, Z.-X.,	Efficient finite element	1991	Computational Modelling of Free and Moving					93	104		1

Zhang, Y.-F., Mujumdar, A.S.	procedure for the solution of enthalpy model for phase change heat conduction problems		Boundary Problems							
Pan, Y.K., Gan, Y.M., Liu, X.D., Wei, Z., Mujumdar, Arun S.	Drying of sticky granular materials during the constant rate period in a vibrated fluidized bed	1991	Drying Technology	9	4		1067	1079		
Polat, S., Mujumdar, A.S. , van Heiningen, A.R.P., Douglas, W.J.M.	Numerical model for turbulent jets impinging on a surface with throughflow	1991	Journal of thermophysics and heat transfer	5	2		172	180	5	
Gong, Z.X., Song, B., Mujumdar, Arun S.	Numerical simulation of drying of refractory concrete	1991	Drying Technology	9	2		479	500	6	
Mujumdar, Arun S.	Drying technologies of the future	1991	Drying Technology	9	2		325	347	31	
Polat, S., Mujumdar, A.S. , Douglas, W.J.M.	Impingement heat transfer under a confined slot jet. Part II. Effects of surface motion and throughflow	1991	Canadian Journal of Chemical Engineering	69	1		274	280	9	
Malhotraf, K., Mujumdar, A.S.	Wall-to-bed contact heat transfer rates in mechanically stirred granular beds	1991	International Journal of Heat and Mass Transfer	34	2		427	435	3	
Malhotraf, K., Mujumdar, A.S.	Model for contact heat transfer in mechanically stirred granular beds	1991	International Journal of Heat and Mass Transfer	34	2		415	425	3	
Polat, S., Mujumdar, A.S. , Douglas, W.J.M.	Impingement heat transfer under a confined slot jet. Part I. Effect of	1991	Canadian Journal of Chemical Engineering	69	1		266	273	8	

	surface throughflow									
Kudra, T., Pan, Y.-K., Mujumdar, A.S.	Evaporation from single droplets impinging on heated surfaces	1991	Drying Technology	9	3		693	707		10
Mujumdar, A.S. , Filkova, I.	Drying '91. Proceedings of 7th International Drying Symposium, Prague, August, 1990	1991								
Dong, Z.X., Pan, Y.K., Deng, W.Y., Wei, Z., Mujumdar, A.S.	Effect of vibration on the drying rate during the falling rate period	1991	Drying Technology	9	3		723	733		5
Shivhare, U.S., Raghavan, G.S.V., Mujumdar, A.S. , Van de Voort, F.R., Bosisio, R.G.	Particulate drying in microwave environment with varying initial moisture contents	1991	POWDER HANDLING & PROCESSING	3	2		153	157		4
Shivhare, U.S., Raghavan, G.S.V., Kudra, T., Mujumdar, A.S. , Van de Voort, F.R.	Through-circulation microwave drying of corn	1991								
Ju, S., Weber, M.E., Mujumdar, A.S.	Electroosmotic dewatering of bentonite suspensions	1991	Separations Technology	1	4		214	221		26
Polat, S., Mujumdar, A.S. , van Heiningen, A.R.P., Douglas, W.J.M.	Effect of near-wall modelling on prediction of impingement heat transfer	1990	Drying Technology	8	4		705	730		3
Malhorta, Karun, Mujumdar, Arun S.	Effect of particle shape on particle-surface thermal contract resistance	1990	Journal of Chemical Engineering of	23	4		510	513		4

			Japan							
Kumar, Pawan, Mujumdar, Arun S.	Effect of drying on pulp & paper properties. A bibliography	1990	Drying Technology	8	3		543	569		
Malhotra, K., Mujumdar, A.S.	Particle mixing and solids flowability in granular beds stirred by paddle- type blades	1990	Powder Technology	61	2		155	164		15
Malhotra, K., Mujumdar, A.S. , Okazaki, M.	Particle flow patterns in a mechanically stirred two- dimensional cylindrical vessel	1990	Powder Technology	60	2		179	189		18
Kumar, Pawan, Mujumdar, Arun S.	Superheated steam drying. A bibliography	1990	Drying Technology	8	1		195	205		19
Kudra, T., Mujumdar, A.S. , Raghavan, G.S.V., Kalwar, M.I.	Two-dimensional spouted beds for thermal processing of particulates	1990	POWDER HANDLING & PROCESSING	2	4 Nov.		347	353		2
Kumar, Pawan, Mujumdar, Arun S., Koran, Zoltan	Effect of microwave drying on paper properties	1990	Annual Meeting - Technical Section, Canadian Pulp and Paper Association, Preprints		pt B		161	166		
Malhotra, K., Mujumdar, A.S. , Miyahara, M.	Estimation of particle renewal rates along the wall in a mechanically stirred granular bed	1990	Chemical Engineering and Processing	27	3		121	130		5
Passo, Maria L., Mujumdar, Arun S., Raghavan Vijaya, G.S.	Spouted and spout- fluidized beds for grain drying	1989	Drying Technology	7	4		663	696		14
Erdesz, K., Mujumdar, A.S.	Numerical investigation of a phenomenological model for vibrated fluidized beds	1989	Drying Technology	7	3		487	502		1

Chen, Zhikai, Mujumdar, Arun S.	Bibliography on drying of coated webs	1989	Drying Technology	7	3		599	611		
Lawal, Adeniyi, Mujumdar, Arun S.	Viscous dissipation effects on thermal entrance heat transfer to power law fluids in arbitrary cross- sectional ducts	1989	Chemical engineering journal	41	2		57	66		4
Poirier, N.A., Mujumdar, A.S.	Numerical solution to the Graetz problem: Achieving accuracy in the entrance region	1989	International Communications in Heat and Mass Transfer	16	2		205	214		3
Kudra, T., Mujumdar, A.S. , Raghavan, G.S.V.	Gas-to-particle heat transfer in two- dimensional spouted beds	1989	International Communications in Heat and Mass Transfer	16	5		731	741		8
Eccles, E.R.A., Erdesz, K., Mujumdar, A.S.	Resonance phenomenon in aerated vibrated beds of particles	1989								
Mujumdar, A.S. , Hasan, M.	Binary diffusion and heat transfer in laminar free convection boundary layers around spheroids	1988		197	210					
Malhotra, K., Mujumdar, A.S. , Imakoma, H., Okazaki, M.	Fundamental particle mixing studies in an agitated bed of granular materials in a cylindrical vessel	1988	Powder Technology	55	2		107	114		30
Mujumdar, Arun S., Passos, M.L.	DRYER DESIGN PROJECT - A TOOL TO TEACH DRYING AND DESIGN TO UNDERGRADUATES.	1988	Drying Technology	6	2		275	290		
Mujumdar, Arun S., Erdesz, Karoly	APPLICATIONS OF VIBRATION TECHNIQUES	1988	Drying Technology	6	2		255	274		7

	FOR DRYING AND AGGLOMERATION IN FOOD PROCESSING.									
David, M., Mujumdar, A.S. , Crotagino, R.H., Douglas, W.J.M.	EFFECT OF SUPERHEATED STEAM DRYING ON PAPER PROPERTIES.	1988	Annual Meeting - Technical Section, Canadian Pulp and Paper Association, Preprints	B			b233	b237		
Jariwala, V.G., Mujumdar, A.S. , Weber, M.E.	PERIODIC STEADY STATE FOR CYCLIC ENERGY STORAGE IN PARAFFIN WAX.	1987	Canadian Journal of Chemical Engineering	65	6		899	906		10
Weber, M.E., Witwit, S.M., Mujumdar, A.S.	MODEL FOR ELECTROOSMOTIC DEWATERING UNDER CONSTANT VOLTAGE.	1987	Drying Technology	5	3		467	474		1
Malhotra, Karun, Mujumdar, Arun S.	IMMERSED SURFACE HEAT TRANSFER IN A VIBRATED FLUIDIZED BED.	1987	Industrial and Engineering Chemistry Research	26	10		1983	1992		8
Fallavollita, J.A., Avedesian, M.M., Mujumdar, A.S.	KRAFT BLACK LIQUOR RECOVERY IN A FLUIDIZED BED: PART I - A REVIEW.	1987	Canadian Journal of Chemical Engineering	65	5		812	817		6
Passos, M.L., Mujumdar, A.S. , Raghavan, G.S.V.	Pressure drop in slotted spouted beds of grains: Comparison of data with models	1987	Powder Technology	52	2		131	137		4
Hasan, M., Mujumdar, A.S.	LAMINAR BOUNDARY-LAYER ANALYSIS OF SIMULTANEOUS MASS AND HEAT TRANSFER IN NATURAL CONVECTION AROUND A HORIZONTAL CYLINDER.	1987	International Journal of Energy Research	11	3		359	371		5

Filkova, I., Lawal, A., Koziskova, B., Mujumdar, A.S.	Heat transfer to a power-law fluid in tube flow: Numerical and experimental studies	1987	Journal of Food Engineering	6	2	143	151	9
Law-Kwet-Cheong, L., Malhotra, K., Mujumdar, A.S.	Some aerodynamic and solids circulation measurements in a slotted spouted bed of grains	1986	Powder Technology	46	3-Feb	141	148	3
Erdész, K., Mujumdar, A.S.	Hydrodynamic aspects of conventional and vibrofluidized beds -a comparative evaluation	1986	Powder Technology	46	3-Feb	167	172	19
Malhotra, Karun, Mujumdar, Arun S.	SINGLE TUBE HEAT TRANSFER IN AERATED VIBRATED BEDS.	1985				186	194	1
Hasan, M., Mujumdar, A.S.	SIMULTANEOUS HEAT AND MASS TRANSFER IN FREE CONVECTION FROM A HORIZONTAL CYLINDER.	1985	AIAA journal	23	10	1602	1608	3
Hasan, M., Mujumdar, A.S.	COMBINED HEAT AND MASS TRANSFER IN FREE CONVECTION ABOUT A SPHERE.	1985	Canadian Journal of Chemical Engineering	63	3	412	421	1
Cui, W.K., Douglas, W.J.M., Mujumdar, A.S.	IMPINGEMENT STEAM DRYING OF PAPER.	1985	Drying Technology	3	2	307	320	5
Hasan, M., Mujumdar, A.S.	TRANSPIRATION-INDUCED BUOYANCY EFFECT AROUND A HORIZONTAL CYLINDER EMBEDDED IN A POROUS MEDIUM.	1985	International Journal of Energy Research	9	2	151	163	6
Hasan, M., Mujumdar, A.S.	SIMULTANEOUS MASS AND HEAT TRANSFER UNDER MIXED	1985	International Journal of Energy Research	9	2	129	140	6

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Malhotra, K., Mujumdar, A.S.	FLOW PATTERNS FOR CYLINDERS IMMERSSED IN AN AERATED VIBRATED BED.	1985	Canadian Journal of Chemical Engineering	63	1		22	28		5
Polat, Suna, Mujumdar, Arun S., Douglas, W.J.M.	HEAT TRANSFER DISTRIBUTION UNDER A TURBULENT IMPINGING JET - A NUMERICAL STUDY.	1985	Drying Technology	3	1		15	38		3
Conley, N., Lawal, A., Mujumdar, A.S.	An assessment of the accuracy of numerical solutions to the graetz problem	1985	International Communications in Heat and Mass Transfer	12	2		209	218		3
Ringer, D.U., Mujumdar, A.S.	Heat transfer in vibro-fluidized beds.	1985								
van Heiningen, A.R.P., Douglas, W.J.M., Mujumdar, A.S.	A high sensitivity, fast response heat flux sensor	1985	International Journal of Heat and Mass Transfer	28	9		1657	1667		2
Lawal, Adeniyi, Mujumdar, Arun S.	LAMINAR FLOW AND HEAT TRANSFER IN POWER-LAW FLUIDS FLOWING IN ARBITRARY CROSS-SECTIONAL DUCTS.	1985	Numerical heat transfer	8	2		217	244		13
Ringer, D.U., Mujumdar, A.S.	HEAT TRANSFER IN VIBRO-FLUIDIZED BEDS.	1985		118	125					
Lawal, A., Mujumdar, A.S.	Developing flow and heat transfer to power law fluids in square, trapezoidal and pentagonal ducts	1985	International Communications in Heat and Mass Transfer	12	1		23	31		2
Gupta, Rahul,	RECENT DEVELOPMENTS	1985	Advances in	2			155	192		7

Mujumdar, A.S.	IN FLUIDIZED BED DRYING.		Drying								
Cui, W.-K., Mujumdar, A.S.	DRYING OF PAPER-A SUMMARY OF RECENT DEVELOPMENTS.	1984	Drying					292	295		
Mujumdar, Arun S.	AERODYNAMIC CHARACTERISTICS OF A VIBRATED BED OF PARTICLES.	1984	Drying					178	185		
Law, L.K.C., Ziaie, B., Malhotra, K., Mujumdar, A.S.	PRESSURE DROP AND PARTICLE CIRCULATION STUDIES IN MODIFIED SLOT SPOUTED BEDS.	1984	Drying					386	389		1
Huang, P.G., Mujumdar, A.S. , Douglas, W.J.H.	NUMERICAL PREDICTION OF FLUID FLOW AND HEAT TRANSFER UNDER A TURBULENT IMPINGING SLOT JET WITH SURFACE MOTION AND CROSSFLOW.	1984				8					
Loo, Esther, Mujumdar, A.S.	SIMULATION MODEL FOR COMBINED IMPINGEMENT AND THROUGH DRYING USING SUPERHEATED STEAM AS THE DRYING MEDIUM.	1984	Drying					264	280		8
Cui, W.K., Mujumdar, A.S.	NOVEL STEAM JET AND DOUBLE-EFFECT EVAPORATION DRYER. PART II: SIMULATION RESULTS AND DISCUSSION.	1984	Drying					474	479		
Malhotra, Karun, Mujumdar, Arun S.	SINGLE TUBE HEAT TRANSFER IN AERATED VIBRATED BEDS.	1984						681	689	pn''''	

Mujumdar, A.S., Raghavan, G.S.V.	CANADIAN RESEARCH AND DEVELOPMENT IN DRYING - A SURVEY.	1984	Drying					1	10		1
Swaminathan, R., Mujumdar, A.S.	SOME AERODYNAMIC ASPECTS OF SPOUTED BEDS OF GRAINS.	1984	Drying					197	204		1
Anderson, K., Raghavan, G.S.V., Mujumdar, A.S.	CHARACTERISTICS OF ASYMMETRIC TWO- DIMENSIONAL SLOT SPOUTED BEDS FOR GRAINS.	1984	Drying					205	209		1
Mujumdar, A.S.	SPOUTED BED TECHNOLOGY - A BRIEF REVIEW.	1984	Drying					151	157		19
Cui, W.K., Mujumdar, A.S.	NOVEL STEAM JET AND DOUBLE-EFFECT EVAPORATION DRYER. PART I - MATHEMATICAL MODEL.	1984	Drying					468	473		1
Lawal, Adeniyi, Mujumdar, Arun S.	FORCED CONVECTION HEAT TRANSFER TO A POWER-LAW FLUID IN ARBITRARY CROSS- SECTION DUCTS.	1984	Canadian Journal of Chemical Engineering	62	3			326	333		8
Hasan, M., Mujumdar, A.S.	Coupled heat and mass transfer in natural convection under flux condition along a vertical cone	1984	International Communications in Heat and Mass Transfer	11	2			157	172		5
Malhotra, K., Law-Kwet- Cheong, L., Mujumdar, A.S.	Pressure-drop characteristics for vibrated beds of dry and sticky particles	1984	Powder Technology	39	1			101	105		15
Hasan, M.,	Effect of spatially varying	1984	International	11	6			591	604		

Mujumdar, A.S.	acceleration on the combined heat and mass transfer in free convection along a plate		Communications in Heat and Mass Transfer							
Jaussaud, J.-P., Douglas, W.J.M., Mujumdar, A.S.	Evaporation under an obliquely impinging laminar ducted slot jet - a numerical model	1984	International Communications in Heat and Mass Transfer	11	4		335	344		
Mujumdar, A.S. , Pakowski, Z.	HEAT TRANSFER IN VIBRATED FLUID BEDS - BASIC PRINCIPLES AND DESIGN CONSIDERATIONS.	1984					441	452		
Hasan, M., Mujumdar, A.S. , Weber, M.E.	CYCLIC PHASE CHANGE IN A CYLINDRICAL THERMAL ENERGY STORAGE CAPSULE.	1983		519						
Ringer, D.U., Mujumdar, A.S.	ANALYSIS OF AERODYNAMICS AND HEAT TRANSFER IN VIBRO-FLUIDIZED BEDS.	1983	Drying Technology	2	4		449	470		14
Jariwalla, V., Weber, M.E., Mujumdar, A.S.	EXPERIMENTAL STUDY OF HEAT TRANSFER FROM AN IMMERSERD COIL TO A POOL OF PCM: EFFECT OF CYCLING.	1983		523						
Hall, Carl W., Mujumdar, Arun	SI UNITS, CONVERSIONS, SYMBOLS FOR DRYING.	1983	Drying Technology	1	2		285	298		
Obot, N.T., Douglas, W.J.M., Mujumdar, A.S.	INFLUENCE OF SUCTION ON THE DEVELOPING WALL FLOW OF AN IMPINGING JET.	1983	AIAA journal	21	12		1774	1776		
Mujumdar, A.S.	FLOW AND IMMERSERD SURFACE HEAT TRANSFER IN VIBRATED FLUIDIZED	1983					346	347		

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Menon, A.S., Weber, M.E., Mujumdar, A.S.	DYNAMICS OF ENERGY STORAGE FOR PARAFFIN WAX IN CYLINDRICAL CONTAINERS.	1983	Canadian Journal of Chemical Engineering	61	5		647	653		9
Menon, A.S., Mujumdar, A.S. , Weber, M.E.	HEAT TRANSFER IN FREEZING OF A PHASE CHANGE MATERIAL IN CONTAINERS OF VARIOUS CONFIGURATIONS.	1983		2			395	407		
Mujumdar, A.S. , Pakowski, Z.	EFFECT OF VIBRATION ON IMMERSERD SURFACE HEAT TRANSFER IN A FLUIDIZED BED.	1983		1			379	385		2
Mujumdar, A.S.	Advances in drying. Volume 2.	1983								1
Jariwalla, V., Weber, M.E., Mujumdar, A.S.	HEAT TRANSFER CHARACTERISTICS OF A COILED TUBE IMMERSERD IN A PHASE CHANGE MATERIAL STORE.	1982		476						
Menon, A.S., Weber, M.E., Mujumdar, A.S.	DYNAMICS OF ENERGY STORAGE FOR PARAFFIN WAX IN CYLINDRICAL CONTAINERS.	1982		475						
Khalid, M., Mujumdar, A.S.	Aerodynamic and drying characteristics of an agitated fluidized bed dryer.	1982					ed., Washington, D.C., U.S.A., Hemisphere Publishing Corp., 1982, Section 2, p.61	66		1
Mujumdar, Arun	PCM THERMAL ENERGY	1982	Alternative Energy	1			367	382		

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Mujumdar, A.S., Gulek, M.	VORTEX SHEDDING FROM SINGLE AND COMPOUND PRISMS OF VARIOUS CONFIGURATIONS.	1981			6					
Huang, B., Mujumdar, A.S., Douglas, W.J.M.	FLOW CHARACTERISTICS OF A LAMINAR SWIRLING IMPINGING JET: A NUMERICAL STUDY.	1981	Canadian Journal of Chemical Engineering	59	4		423	429		
Gupta, Rahul, Leung, Peter, Mujumdar, A.S.	DRYING OF GRANULAR MATERIALS IN A VIBRATED FLUIDIZED BED.	1980	Transactions of the International Conference on Structural Mechanics in Reactor Technology	2			201	207		2
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