

Mohammed M Farid

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175
papers

9,476
citations

46
h-index

94
g-index

180
ext. papers

10,939
ext. citations

6
avg, IF

6.8
L-index

#	Paper	IF	Citations
175	Cooling of milk on dairy farms: an application of a novel ice encapsulated storage system in New Zealand 2022 , 207-228		1
174	Denaturation kinetics and storage stability of Osteopontin in reconstituted infant milk formula.. <i>Food Chemistry</i> , 2022 , 379, 132138	8.5	0
173	Effect of Temperatures on Polyphenols during Extraction. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2107	2.6	11
172	Evaluation of a Polyester Filter and UV Light (PFUV) Dehumidifier to Improve Indoor Environmental Quality: Preliminary Results. <i>Sustainability</i> , 2022 , 14, 4504	3.6	1
171	Microencapsulation of low melting phase change materials for cold storage applications. <i>Applied Energy</i> , 2022 , 321, 119347	10.7	1
170	Investigation of nitrogen purging prior to UV treatment on quality of milk. <i>International Journal of Food Engineering</i> , 2021 , 17, 189-197	1.9	
169	A Rapid Method for Low Temperature Microencapsulation of Phase Change Materials (PCMs) Using a Coiled Tube Ultraviolet Reactor. <i>Energies</i> , 2021 , 14, 7867	3.1	1
168	Effect of using PCMs and shading devices on the thermal performance of buildings in different Algerian climates. A simulation-based optimization. <i>Solar Energy</i> , 2021 , 217, 375-389	6.8	8
167	Development of the inorganic composite phase change materials for passive thermal management of Li-ion batteries: Application. <i>Journal of Power Sources</i> , 2021 , 491, 229624	8.9	15
166	Deep eutectic solvents Versatile chemicals in biodiesel production. <i>Fuel</i> , 2021 , 295, 120604	7.1	16
165	Glycerolysis of free fatty acids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 137, 110501	16.2	15
164	A Critical Review on the Control Strategies Applied to PCM-Enhanced Buildings. <i>Energies</i> , 2021 , 14, 19293	3.1	9
163	Heat and Mass Transfer Modeling to Predict Temperature Distribution during Potato Frying after Pre-Treatment with Pulsed Electric Field. <i>Foods</i> , 2021 , 10,	4.9	2
162	Pressure assisted thermal pasteurization (PATP) of hypoallergenic and low protein ready-to-feed (RTF) infant formula fortified with bioactives: A novel approach. <i>Innovative Food Science and Emerging Technologies</i> , 2021 , 73, 102771	6.8	1
161	Sustainable technologies to improve indoor air quality in a residential house A case study in Waikato, New Zealand. <i>Energy and Buildings</i> , 2021 , 250, 111283	7	5
160	Effect of high pressure impregnation on micronutrient transfer in rice. <i>Food Chemistry</i> , 2021 , 362, 130248	4.5	0
159	Microencapsulation of phase change materials for thermal energy storage systems 2021 , 269-329		3

158	Enrichment of rice with natural thiamine using high-pressure processing (HPP). <i>Journal of Food Engineering</i> , 2020 , 283, 110040	6	6
157	Application of phase change material foam composites in the built environment: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 131, 110008	16.2	29
156	Extension of shelf life of pasteurized trim milk using ultraviolet treatment. <i>Journal of Food Safety</i> , 2020 , 40, e12768	2	1
155	Optimization of high pressure processing for microbial load reduction in " pulp using response surface methodology. <i>Journal of Food Science and Technology</i> , 2020 , 57, 2472-2479	3.3	1
154	A Review on the Effect of High Pressure Processing (HPP) on Gelatinization and Infusion of Nutrients. <i>Molecules</i> , 2020 , 25,	4.8	20
153	Analytical model to study the heat storage of phase change material envelopes in lightweight passive buildings. <i>Building and Environment</i> , 2020 , 169, 106531	6.5	13
152	A mass transfer study of the wet oxidation of cellulose. <i>Chemical Engineering Journal</i> , 2020 , 384, 123326	14.7	1
151	State of the art on salt hydrate thermochemical energy storage systems for use in building applications. <i>Journal of Energy Storage</i> , 2020 , 27, 101145	7.8	52
150	Pasteurized ready-to-feed (RTF) infant formula fortified with lactoferrin: a potential niche product. <i>Journal of Food Engineering</i> , 2020 , 273, 109810	6	9
149	Insight into the Influence of Grinding on the Extraction Efficiency of Selected Bioactive Compounds from Various Plant Leaves. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6362	2.6	5
148	Peak load shifting using a price-based control in PCM-enhanced buildings. <i>Solar Energy</i> , 2020 , 211, 661-673	6.3	11
147	Using PCM in Two Proposed Residential Buildings in Christchurch, New Zealand. <i>Energies</i> , 2020 , 13, 6025	3.1	3
146	Understanding the Frying Process of Plant-Based Foods Pretreated with Pulsed Electric Fields Using Frying Models. <i>Foods</i> , 2020 , 9,	4.9	9
145	Application of an active PCM storage system into a building for heating/cooling load reduction. <i>Energy</i> , 2020 , 210, 118572	7.9	28
144	A comparison between passive and active PCM systems applied to buildings. <i>Renewable Energy</i> , 2020 , 162, 112-123	8.1	24
143	An improved model for the kinetics of non-oxidative hydrothermal process. <i>Journal of Environmental Management</i> , 2020 , 253, 109704	7.9	4
142	Hypoallergenic and Low-Protein Ready-to-Feed (RTF) Infant Formula by High Pressure Pasteurization: A Novel Product. <i>Foods</i> , 2019 , 8,	4.9	7
141	A Reversed-Phase HPLC Method for Determination of Osteopontin in Infant Formula. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3711	2.6	2

140	Laboratory investigation on the use of thermally enhanced phase change material to improve the performance of borehole heat exchangers for ground source heat pumps. <i>International Journal of Energy Research</i> , 2019 , 43, 4148-4156	4.5	9
139	Performance of metal and non-metal coated phase change materials microcapsules when used in compressed air energy storage system. <i>Applied Thermal Engineering</i> , 2019 , 157, 113715	5.8	7
138	Investigate the efficacy of UV pretreatment on thermal inactivation of <i>Bacillus subtilis</i> spores in different types of milk. <i>Innovative Food Science and Emerging Technologies</i> , 2019 , 52, 387-393	6.8	18
137	Experimental and mathematical modeling of an air-PCM heat exchanger operating under static and dynamic loads. <i>Energy and Buildings</i> , 2019 , 202, 109354	7	13
136	Heat and Mass Transfer in Food Processing 2019 , 439-460		4
135	Binary mixtures of fatty alcohols and fatty acid esters as novel solid-liquid phase change materials. <i>International Journal of Energy Research</i> , 2019 , 43, 8536	4.5	9
134	The potential use of pulsed electric field to assist in polygodial extraction from Horopito (<i>Pseudowintera colorata</i>) leaves. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 272-280	2.8	2
133	Pulsed electric field treatment of red wine: Inactivation of <i>Brettanomyces</i> and potential hazard caused by metal ion dissolution. <i>Innovative Food Science and Emerging Technologies</i> , 2019 , 52, 57-65	6.8	21
132	Performance of a small-scale compressed air storage (CAS). <i>International Journal of Energy Research</i> , 2019 , 43, 6233-6242	4.5	4
131	Cold energy storage in a packed bed of novel graphite/PCM composite spheres. <i>Energy</i> , 2019 , 171, 296-305	3.05	31
130	Effect of thermal and high pressure processing on stability of betalain extracted from red beet stalks. <i>Journal of Food Science and Technology</i> , 2018 , 55, 568-577	3.3	6
129	Assessing the nearly zero-energy building gap in university campuses with a feature extraction methodology applied to a case study in Spain. <i>International Journal of Energy and Environmental Engineering</i> , 2018 , 9, 227-247	4	8
128	Effect of Subcritical Water on the Extraction of Bioactive Compounds from Carrot Leaves. <i>Food and Bioprocess Technology</i> , 2018 , 11, 1895-1903	5.1	13
127	SO ₂ , high pressure processing and pulsed electric field treatments of red wine: Effect on sensory, <i>Brettanomyces</i> inactivation and other quality parameters during one year storage. <i>Innovative Food Science and Emerging Technologies</i> , 2018 , 48, 204-211	6.8	18
126	A novel graphite-PCM composite sphere with enhanced thermo-physical properties. <i>Applied Thermal Engineering</i> , 2018 , 142, 401-409	5.8	19
125	An innovative approach for storing low-grade thermal energy using liquid phase thermoreversible reaction. <i>Applied Energy</i> , 2018 , 222, 823-829	10.7	1
124	Evaluation of paraffin infiltrated in various porous silica matrices as shape-stabilized phase change materials for thermal energy storage. <i>Energy Conversion and Management</i> , 2018 , 171, 361-370	10.6	78
123	Model predictive control strategy applied to different types of building for space heating. <i>Applied Energy</i> , 2018 , 231, 959-971	10.7	32

122	A novel approach of heat recovery system in compressed air energy storage (CAES). <i>Energy Conversion and Management</i> , 2018 , 178, 217-225	10.6	16
121	New salt hydrate composite for low-grade thermal energy storage. <i>Energy</i> , 2018 , 164, 194-203	7.9	37
120	Changes in the myosin secondary structure and shrimp surimi gel strength induced by dense phase carbon dioxide. <i>Food Chemistry</i> , 2017 , 227, 219-226	8.5	34
119	Quality stability and sensory attributes of apple juice processed by thermosonication, pulsed electric field and thermal processing. <i>Food Science and Technology International</i> , 2017 , 23, 265-276	2.6	36
118	Efficacy of using slurry of metal-coated microencapsulated PCM for cooling in a micro-channel heat exchanger. <i>Applied Thermal Engineering</i> , 2017 , 122, 11-18	5.8	51
117	Screening alternatives for producing paraffinic phase change materials for thermal energy storage in buildings. <i>International Journal of Energy Research</i> , 2017 , 41, 1932-1940	4.5	7
116	Strawberry puree processed by thermal, high pressure, or power ultrasound: Process energy requirements and quality modeling during storage. <i>Food Science and Technology International</i> , 2017 , 23, 293-309	2.6	15
115	Experimental and comprehensive theoretical study of cold storage packages containing PCM. <i>Applied Thermal Engineering</i> , 2017 , 115, 899-912	5.8	30
114	Effect of CO ₂ addition on biomass energy yield in wastewater treatment high rate algal mesocosms. <i>Algal Research</i> , 2017 , 22, 93-103	5	13
113	Hydrothermal processing of cellulose: A comparison between oxidative and non-oxidative processes. <i>Bioresource Technology</i> , 2017 , 226, 229-237	11	21
112	Processing of baby food using pressure-assisted thermal sterilization (PATs) and comparison with thermal treatment. <i>High Pressure Research</i> , 2017 , 37, 579-593	1.6	4
111	Supercritical CO ₂ as heat transfer fluid: A review. <i>Applied Thermal Engineering</i> , 2017 , 125, 799-810	5.8	119
110	Fundamental mechanisms and reactions in non-catalytic subcritical hydrothermal processes: A review. <i>Water Research</i> , 2017 , 123, 607-622	12.5	38
109	Wastewater treatment high rate algal pond biomass for bio-crude oil production. <i>Bioresource Technology</i> , 2017 , 224, 255-264	11	19
108	Potential of five different isolated colonial algal species for wastewater treatment and biomass energy production. <i>Algal Research</i> , 2017 , 21, 1-8	5	28
107	Improving the production of propyl and butyl ester-based biodiesel by purification using deep eutectic solvents. <i>Separation and Purification Technology</i> , 2017 , 174, 570-576	8.3	29
106	Pyrolysis of wastewater treatment high rate algal pond (WWT HRAP) biomass. <i>Algal Research</i> , 2017 , 24, 509-519	5	8
105	Biodiesel production potential of wastewater treatment high rate algal pond biomass. <i>Bioresource Technology</i> , 2016 , 221, 222-233	11	33

104	Innovative method of metal coating of microcapsules containing phase change materials. <i>Solar Energy</i> , 2016 , 129, 54-64	6.8	61
103	Formation and degradation of valuable intermediate products during wet oxidation of municipal sludge. <i>Bioresource Technology</i> , 2016 , 205, 280-5	11	32
102	Variation of biomass energy yield in wastewater treatment high rate algal ponds. <i>Algal Research</i> , 2016 , 15, 143-151	5	32
101	A review on recent development in non-conventional food sterilization technologies. <i>Journal of Food Engineering</i> , 2016 , 182, 33-45	6	155
100	Application of weather forecast in conjunction with price-based method for PCM solar passive buildings [An experimental study]. <i>Applied Energy</i> , 2016 , 163, 9-18	10.7	45
99	Compatibility of materials for macroencapsulation of inorganic phase change materials: Experimental corrosion study. <i>Applied Thermal Engineering</i> , 2016 , 107, 410-419	5.8	25
98	Thermogravimetric measurement of deep eutectic solvents vapor pressure. <i>Journal of Molecular Liquids</i> , 2016 , 222, 61-66	6	58
97	Control strategies comparison of a ventilated facade with PCM [energy savings, cost reduction and CO2 mitigation]. <i>Energy and Buildings</i> , 2016 , 130, 821-828	7	15
96	Energy savings due to the use of PCM for relocatable lightweight buildings passive heating and cooling in different weather conditions. <i>Energy and Buildings</i> , 2016 , 129, 274-283	7	115
95	Improving the efficiency of photovoltaic cells using PCM infused graphite and aluminium fins. <i>Solar Energy</i> , 2015 , 114, 217-228	6.8	156
94	Color, Yield, and Texture of Heat and High Pressure Processed Mussels During Ice Storage. <i>Journal of Aquatic Food Product Technology</i> , 2015 , 24, 68-78	1.6	1
93	Supercooling elimination of phase change materials (PCMs) microcapsules. <i>Energy</i> , 2015 , 87, 654-662	7.9	95
92	Peak load shifting with energy storage and price-based control system. <i>Energy</i> , 2015 , 92, 505-514	7.9	78
91	Thermosonication for polyphenoloxidase inactivation in fruits: Modeling the ultrasound and thermal kinetics in pear, apple and strawberry purees at different temperatures. <i>Journal of Food Engineering</i> , 2015 , 165, 133-140	6	82
90	CO2 mitigation accounting for Thermal Energy Storage (TES) case studies. <i>Applied Energy</i> , 2015 , 155, 365-377	10.7	41
89	Analysis of energy requirements versus comfort levels for the integration of phase change materials in buildings. <i>Journal of Building Engineering</i> , 2015 , 1, 53-62	5.2	26
88	Fire Retardant for Phase Change Material. <i>Engineering Materials</i> , 2015 , 187-207	0.4	1
87	Application of PCM underfloor heating in combination with PCM wallboards for space heating using price based control system. <i>Applied Energy</i> , 2015 , 148, 39-48	10.7	83

86	Pulsed electric field extraction of valuable compounds from white button mushroom (<i>Agaricus bisporus</i>). <i>Innovative Food Science and Emerging Technologies</i> , 2015 , 29, 178-186	6.8	54
85	High-pressure processing of Manuka honey: brown pigment formation, improvement of antibacterial activity and hydroxymethylfurfural content. <i>International Journal of Food Science and Technology</i> , 2015 , 50, 178-185	3.8	12
84	Application of PCM energy storage in combination with night ventilation for space cooling. <i>Applied Energy</i> , 2015 , 158, 412-421	10.7	112
83	Composite gypsum containing fatty-ester PCM to be used as constructive system: Thermophysical characterization of two shape-stabilized formulations. <i>Energy and Buildings</i> , 2015 , 86, 190-193	7	13
82	Wastewater treatment high rate algal ponds (WWT HRAP) for low-cost biofuel production. <i>Bioresource Technology</i> , 2015 , 184, 202-214	11	118
81	Growth of microalgae using CO ₂ enriched air for biodiesel production in supercritical CO ₂ . <i>Renewable Energy</i> , 2015 , 82, 61-70	8.1	54
80	Emulsion stability and cross-linking of PMMA microcapsules containing phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 132, 311-318	6.4	113
79	Modeling the polyphenoloxidase inactivation kinetics in pear, apple and strawberry purees after High Pressure Processing. <i>Journal of Food Engineering</i> , 2015 , 147, 89-94	6	59
78	Corrosion and health aspects in ohmic cooking of beef meat patties. <i>Journal of Food Engineering</i> , 2015 , 146, 17-22	6	27
77	A feasibility study of agricultural and sewage biomass as biochar, bioenergy and biocomposite feedstock: production, characterization and potential applications. <i>Science of the Total Environment</i> , 2015 , 512-513, 495-505	10.2	123
76	Preparation and Characterization of Microencapsulated Phase Change Materials for Use in Building Applications. <i>Materials</i> , 2015 , 9,	3.5	25
75	Effective extraction of microalgae lipids from wet biomass for biodiesel production. <i>Biomass and Bioenergy</i> , 2014 , 66, 159-167	5.3	148
74	Supercritical carbon dioxide extraction of microalgae lipid: Process optimization and laboratory scale-up. <i>Journal of Supercritical Fluids</i> , 2014 , 86, 57-66	4.2	94
73	Mass transfer modeling of <i>Scenedesmus</i> sp. lipids extracted by supercritical CO ₂ . <i>Biomass and Bioenergy</i> , 2014 , 70, 530-541	5.3	9
72	Experimental validation of a methodology to assess PCM effectiveness in cooling building envelopes passively. <i>Energy and Buildings</i> , 2014 , 81, 59-71	7	27
71	Enzymatic biodiesel production of microalgae lipids under supercritical carbon dioxide: Process optimization and integration. <i>Biochemical Engineering Journal</i> , 2014 , 90, 103-113	4.2	41
70	Preparation and characterization of progesterone dispersions using supercritical carbon dioxide. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 458-69	3.6	4
69	Evaluation of progesterone permeability from supercritical fluid processed dispersion systems. <i>Pharmaceutical Development and Technology</i> , 2014 , 19, 238-46	3.4	4

68	Microalgae as a Renewable Source of Energy: A Niche Opportunity. <i>Journal of Renewable Energy</i> , 2014 , 2014, 1-10	1.4	24
67	Energy management and CO ₂ mitigation using phase change materials (PCM) for thermal energy storage (TES) in cold storage and transport. <i>International Journal of Refrigeration</i> , 2014 , 42, 26-35	3.8	46
66	Effect of high pressure processing on the conversion of dihydroxyacetone to methylglyoxal in New Zealand mānuka (<i>Leptospermum scoparium</i>) honey and models thereof. <i>Food Chemistry</i> , 2014 , 153, 134-9	8.5	10
65	Mathematical Modelling of Microwave Pyrolysis. <i>International Journal of Chemical Reactor Engineering</i> , 2013 , 11, 543-559	1.2	1
64	Life Cycle Assessment of experimental cubicles including PCM manufactured from natural resources (esters): A theoretical study. <i>Renewable Energy</i> , 2013 , 51, 398-403	8.1	49
63	Experimental and numerical analysis of a chilly bin incorporating phase change material. <i>Applied Thermal Engineering</i> , 2013 , 58, 61-67	5.8	17
62	Corrosion of metal and polymer containers for use in PCM cold storage. <i>Applied Energy</i> , 2013 , 109, 449-457	5.7	59
61	Experimental study on the selection of phase change materials for low temperature applications. <i>Renewable Energy</i> , 2013 , 57, 130-136	8.1	37
60	Heat and Mass Transfer in Food Processing 2013 , 379-401		
59	Analysis of implementing phase change materials in open-air swimming pools. <i>Solar Energy</i> , 2012 , 86, 567-577	6.8	18
58	Determination of an Effective Treatment Temperature of Chemical and Biological Reactions. <i>Food and Bioprocess Technology</i> , 2012 , 5, 147-154	5.1	6
57	Bacterial spore inactivation at 45-65 °C using high pressure processing: study of <i>Alicyclobacillus acidoterrestris</i> in orange juice. <i>Food Microbiology</i> , 2012 , 32, 206-11	6	70
56	Thermal analysis of a low temperature storage unit using phase change materials without refrigeration system. <i>International Journal of Refrigeration</i> , 2012 , 35, 1709-1714	3.8	59
55	Microencapsulation of a PCM through membrane emulsification and nanocompression-based determination of microcapsule strength. <i>Materials for Renewable and Sustainable Energy</i> , 2012 , 1, 1	4.7	8
54	Feasibility Study for Production of Biofuel and Chemicals from Marine Microalgae <i>Nannochloropsis</i> sp. Based on Basic Mass and Energy Analysis 2012 , 2012, 1-11		19
53	New equipment for testing steady and transient thermal performance of multilayered building envelopes with PCM. <i>Energy and Buildings</i> , 2011 , 43, 3704-3709	7	29
52	Microindentation of Microencapsulated Phase Change Materials. <i>Advanced Materials Research</i> , 2011 , 275, 85-88	0.5	3
51	Experimental and numerical investigations on the effect of using phase change materials for energy conservation in residential buildings. <i>HVAC and R Research</i> , 2011 , 17, 366-376		29

50	Modeling of phase change material implemented into cold storage application. <i>HVAC and R Research</i> , 2011 , 17, 257-267		7
49	Fire retardants for phase change materials. <i>Applied Energy</i> , 2011 , 88, 3140-3145	10.7	57
48	Scale-up unit of a unique moderately high pressure unit to enhance microbial inactivation. <i>Journal of Food Engineering</i> , 2011 , 105, 522-529	6	4
47	A review of enzymatic transesterification of microalgal oil-based biodiesel using supercritical technology. <i>Enzyme Research</i> , 2011 , 2011, 468292	2.4	71
46	Pressure-assisted thermal sterilization of soup. <i>High Pressure Research</i> , 2010 , 30, 530-537	1.6	4
45	The use of PCM panels to improve storage condition of frozen food. <i>Journal of Food Engineering</i> , 2010 , 100, 372-376	6	107
44	Development of a model for compensating the influence of temperature gradients within the sample on DSC-results on phase change materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 101, 1155-1160	4.1	27
43	A new approach to the analysis of heat and mass transfer in drying and frying of food products. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009 , 48, 217-223	3.7	22
42	Production of biodiesel using a continuous gas-liquid reactor. <i>Bioresource Technology</i> , 2009 , 100, 683-9	11	48
41	Modelling the inactivation of Escherichia coli ATCC 25922 using pulsed electric field. <i>Innovative Food Science and Emerging Technologies</i> , 2008 , 9, 448-454	6.8	15
40	Freeze concentration of milk and saline solutions in a liquid-solid fluidized bed: Part II. Modelling of ice removal. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008 , 47, 539-547	3.7	5
39	Self-built supercritical CO ₂ anti-solvent unit design, construction and operation using carbamazepine. <i>AAPS PharmSciTech</i> , 2008 , 9, 944-52	3.9	8
38	The use of carbon electrodes in ohmic cooking of meat patties. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007 , 2, 474-479	1.3	7
37	Corrosion mechanism of electrodes in ohmic cooking. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007 , 2, 487-492	1.3	7
36	Freeze concentration of milk and saline solutions in a liquid-solid fluidized bed. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 1400-1411	3.7	12
35	Miniaturized Refrigeration System With Advanced PCM Micro Encapsulation Technology 2007 , 1105		7
34	An investigation on pulsed electric fields technology using new treatment chamber design. <i>Innovative Food Science and Emerging Technologies</i> , 2007 , 8, 205-212	6.8	60
33	Heat and Mass Transfer in Food Processing 2007 , 367-390		

32	Thermal conductivity enhancement of phase change materials using a graphite matrix. <i>Applied Thermal Engineering</i> , 2006 , 26, 1652-1661	5.8	421
31	Liquid Fuel from Plastic Wastes Using Extrusion Rotary Kiln Reactors 2006 , 531-548		2
30	Heat transfer and operating conditions for freeze concentration in a liquid-solid fluidized bed heat exchanger. <i>Chemical Engineering and Processing: Process Intensification</i> , 2006 , 45, 698-710	3.7	27
29	Mechanical-Electrochemical modeling of Li-ion battery designed for an electric scooter. <i>Journal of Power Sources</i> , 2006 , 158, 673-678	8.9	21
28	The mathematical modelling of the rehydration characteristics of fruits. <i>Journal of Food Engineering</i> , 2006 , 72, 16-23	6	59
27	Thermal management of Li-ion battery with phase change material for electric scooters: experimental validation. <i>Journal of Power Sources</i> , 2005 , 142, 345-353	8.9	261
26	Experimental Analysis of Cryogenic Freezing of Food. <i>Journal of Chemical Engineering of Japan</i> , 2004 , 37, 304-309	0.8	2
25	Growth kinetics of ice films spreading on a subcooled solid surface. <i>Separation and Purification Technology</i> , 2004 , 39, 109-121	8.3	17
24	A review on energy conservation in building applications with thermal storage by latent heat using phase change materials. <i>Energy Conversion and Management</i> , 2004 , 45, 263-275	10.6	972
23	A review on phase change energy storage: materials and applications. <i>Energy Conversion and Management</i> , 2004 , 45, 1597-1615	10.6	2046
22	A single correlation for the prediction of dehydration time in drying and frying of samples having different geometry and size. <i>Journal of Food Engineering</i> , 2004 , 63, 265-271	6	11
21	Combined ohmic and plate heating of hamburger patties: quality of cooked patties. <i>Journal of Food Engineering</i> , 2004 , 63, 141-145	6	58
20	A new computational technique for the estimation of sterilization time in canned food. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004 , 43, 523-531	3.7	50
19	Design and simulation of a lithium-ion battery with a phase change material thermal management system for an electric scooter. <i>Journal of Power Sources</i> , 2004 , 128, 292-307	8.9	232
18	Ultraviolet treatment of orange juice. <i>Innovative Food Science and Emerging Technologies</i> , 2004 , 5, 495-502	0.28	228
17	A new approach to modelling of single droplet drying. <i>Chemical Engineering Science</i> , 2003 , 58, 2985-2993	1.4	122
16	Analysis of Heat and Mass Transfer in Freeze Drying. <i>Drying Technology</i> , 2003 , 21, 249-263	2.6	28
15	A Generalized Correlation for Heat and Mass Transfer in Freezing, Drying, Frying, and Freeze Drying. <i>Drying Technology</i> , 2003 , 21, 231-247	2.6	19

14	A simple and effective model for cross-flow microfiltration and ultrafiltration. <i>Canadian Journal of Chemical Engineering</i> , 2002 , 80, 28-36	2.3	14
13	The moving boundary problems from melting and freezing to drying and frying of food. <i>Chemical Engineering and Processing: Process Intensification</i> , 2002 , 41, 1-10	3.7	41
12	MICROWAVE VACUUM DRYING OF BANANA SLICES. <i>Drying Technology</i> , 2002 , 20, 2055-2066	2.6	133
11	A unified approach to the heat and mass transfer in melting, solidification, frying and different drying processes. <i>Chemical Engineering Science</i> , 2001 , 56, 5419-5427	4.4	24
10	Solar desalination with a humidification-dehumidification cycle. <i>Desalination</i> , 1996 , 106, 427-429	10.3	45
9	Performance of direct contact latent heat storage units with two hydrated salts. <i>Solar Energy</i> , 1994 , 52, 179-189	6.8	34
8	Performance of a single-basin solar still. <i>Renewable Energy</i> , 1993 , 3, 75-83	8.1	33
7	An electrical storage heater using the phase-change method of heat storage. <i>Energy Conversion and Management</i> , 1990 , 30, 219-230	10.6	76
6	Thermal Performance of a Heat Storage Module Using PCM With Different Melting Temperature: Experimental. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1990 , 112, 125-131	2.3	81
5	Performance of direct contact latent heat storage unit. <i>Solar Energy</i> , 1989 , 43, 237-251	6.8	19
4	THE ROLE OF NATURAL CONVECTION DURING MELTING AND SOLIDIFICATION OF PCM IN A VERTICAL CYLINDER. <i>Chemical Engineering Communications</i> , 1989 , 84, 43-60	2.2	22
3	Thermal Performance of a Heat Storage Module Using PCM With Different Melting Temperatures: Mathematical Modeling. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1989 , 111, 152-157 ³		14 ⁰
2	Heat and Mass Transfer in Food Processing 367-390		
1	The Impact of Cell Ventilation on the Top Heat Losses and Fugitive Emissions in an Aluminium Smelting Cell 433-438		