Mohammed M Farid

List of Publications by Citations

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	A review on phase change energy storage: materials and applications. *Energy Conversion and Management*, **2004**, 45, 1597-1615	10.6	2046
174	A review on energy conservation in building applications with thermal storage by latent heat using phase change materials. *Energy Conversion and Management*, **2004**, 45, 263-275	10.6	972
173	Thermal conductivity enhancement of phase change materials using a graphite matrix. *Applied Thermal Engineering*, **2006**, 26, 1652-1661	5.8	421
172	Thermal management of Li-ion battery with phase change material for electric scooters: experimental validation. *Journal of Power Sources*, **2005**, 142, 345-353	8.9	261
171	Design and simulation of a lithium-ion battery with a phase change material thermal management system for an electric scooter. *Journal of Power Sources*, **2004**, 128, 292-307	8.9	232
170	Ultraviolet treatment of orange juice. *Innovative Food Science and Emerging Technologies*, **2004**, 5, 495-502	6.8	228
169	Improving the efficiency of photovoltaic cells using PCM infused graphite and aluminium fins. *Solar Energy*, **2015**, 114, 217-228	6.8	156
168	A review on recent development in non-conventional food sterilization technologies. *Journal of Food Engineering*, **2016**, 182, 33-45	6	155
167	Effective extraction of microalgae lipids from wet biomass for biodiesel production. *Biomass and Bioenergy*, **2014**, 66, 159-167	5.3	148
166	Thermal Performance of a Heat Storage Module Using PCMs With Different Melting Temperatures: Mathematical Modeling. *Journal of Solar Energy Engineering, Transactions of the ASME*, **1989**, 111, 152-157	2.3	140
165	MICROWAVE VACUUM DRYING OF BANANA SLICES. *Drying Technology*, **2002**, 20, 2055-2066	2.6	133
164	A feasibility study of agricultural and sewage biomass as biochar, bioenergy and biocomposite feedstock: production, characterization and potential applications. *Science of the Total Environment* , **2015**, 512-513, 495-505	10.2	123
163	A new approach to modelling of single droplet drying. *Chemical Engineering Science*, **2003**, 58, 2985-2993	4.4	122
162	Supercritical CO2 as heat transfer fluid: A review. *Applied Thermal Engineering*, **2017**, 125, 799-810	5.8	119
161	Wastewater treatment high rate algal ponds (WWT HRAP) for low-cost biofuel production. *Bioresource Technology*, **2015**, 184, 202-214	11	118
160	Energy savings due to the use of PCM for relocatable lightweight buildings passive heating and cooling in different weather conditions. *Energy and Buildings*, **2016**, 129, 274-283	7	115
159	Emulsion stability and cross-linking of PMMA microcapsules containing phase change materials. *Solar Energy Materials and Solar Cells*, **2015**, 132, 311-318	6.4	113

158	Application of PCM energy storage in combination with night ventilation for space cooling. *Applied Energy*, **2015**, 158, 412-421	10.7	112
157	The use of PCM panels to improve storage condition of frozen food. *Journal of Food Engineering*, **2010**, 100, 372-376	6	107
156	Supercooling elimination of phase change materials (PCMs) microcapsules. *Energy*, **2015**, 87, 654-662	7.9	95
155	Supercritical carbon dioxide extraction of microalgae lipid: Process optimization and laboratory scale-up. *Journal of Supercritical Fluids*, **2014**, 86, 57-66	4.2	94
154	Application of PCM underfloor heating in combination with PCM wallboards for space heating using price based control system. *Applied Energy*, **2015**, 148, 39-48	10.7	83
153	Thermosonication for polyphenoloxidase inactivation in fruits: Modeling the ultrasound and thermal kinetics in pear, apple and strawberry purees at different temperatures. *Journal of Food Engineering*, **2015**, 165, 133-140	6	82
152	Thermal Performance of a Heat Storage Module Using PCM□With Different Melting Temperature: Experimental. *Journal of Solar Energy Engineering, Transactions of the ASME*, **1990**, 112, 125-131	2.3	81
151	Peak load shifting with energy storage and price-based control system. *Energy*, **2015**, 92, 505-514	7.9	78
150	Evaluation of paraffin infiltrated in various porous silica matrices as shape-stabilized phase change materials for thermal energy storage. *Energy Conversion and Management*, **2018**, 171, 361-370	10.6	78
149	An electrical storage heater using the phase-change method of heat storage. *Energy Conversion and Management*, **1990**, 30, 219-230	10.6	76
148	A review of enzymatic transesterification of microalgal oil-based biodiesel using supercritical technology. *Enzyme Research*, **2011**, 2011, 468292	2.4	71
147	Bacterial spore inactivation at 45-65 □C using high pressure processing: study of Alicyclobacillus acidoterrestris in orange juice. *Food Microbiology*, **2012**, 32, 206-11	6	70
146	Innovative method of metal coating of microcapsules containing phase change materials. *Solar Energy*, **2016**, 129, 54-64	6.8	61
145	An investigation on pulsed electric fields technology using new treatment chamber design. *Innovative Food Science and Emerging Technologies*, **2007**, 8, 205-212	6.8	60
144	Modeling the polyphenoloxidase inactivation kinetics in pear, apple and strawberry purees after High Pressure Processing. *Journal of Food Engineering*, **2015**, 147, 89-94	6	59
143	Corrosion of metal and polymer containers for use in PCM cold storage. *Applied Energy*, **2013**, 109, 449-453	10.7	59
142	Thermal analysis of a low temperature storage unit using phase change materials without refrigeration system. *International Journal of Refrigeration*, **2012**, 35, 1709-1714	3.8	59
141	The mathematical modelling of the rehydration characteristics of fruits. *Journal of Food Engineering* , **2006**, 72, 16-23	6	59

140	Combined ohmic and plate heating of hamburger patties: quality of cooked patties. *Journal of Food Engineering*, **2004**, 63, 141-145	6	58
139	Thermogravimetric measurement of deep eutectic solvents vapor pressure. *Journal of Molecular Liquids*, **2016**, 222, 61-66	6	58
138	Fire retardants for phase change materials. *Applied Energy*, **2011**, 88, 3140-3145	10.7	57
137	Pulsed electric field extraction of valuable compounds from white button mushroom (Agaricus bisporus). *Innovative Food Science and Emerging Technologies*, **2015**, 29, 178-186	6.8	54
136	Growth of microalgae using CO2 enriched air for biodiesel production in supercritical CO2. *Renewable Energy*, **2015**, 82, 61-70	8.1	54
135	State of the art on salt hydrate thermochemical energy storage systems for use in building applications. *Journal of Energy Storage*, **2020**, 27, 101145	7.8	52
134	Efficacy of using slurry of metal-coated microencapsulated PCM for cooling in a micro-channel heat exchanger. *Applied Thermal Engineering*, **2017**, 122, 11-18	5.8	51
133	A new computational technique for the estimation of sterilization time in canned food. *Chemical Engineering and Processing: Process Intensification*, **2004**, 43, 523-531	3.7	50
132	Life Cycle Assessment of experimental cubicles including PCM manufactured from natural resources (esters): A theoretical study. *Renewable Energy*, **2013**, 51, 398-403	8.1	49
131	Production of biodiesel using a continuous gas-liquid reactor. *Bioresource Technology*, **2009**, 100, 683-9	11	48
130	Energy management and CO2 mitigation using phase change materials (PCM) for thermal energy storage (TES) in cold storage and transport. *International Journal of Refrigeration*, **2014**, 42, 26-35	3.8	46
129	Application of weather forecast in conjunction with price-based method for PCM solar passive buildings An experimental study. *Applied Energy*, **2016**, 163, 9-18	10.7	45
128	Solar desalination with a humidification-dehumidification cycle. *Desalination*, **1996**, 106, 427-429	10.3	45
127	CO 2 mitigation accounting for Thermal Energy Storage (TES) case studies. *Applied Energy*, **2015**, 155, 365-377	10.7	41
126	Enzymatic biodiesel production of microalgae lipids under supercritical carbon dioxide: Process optimization and integration. *Biochemical Engineering Journal*, **2014**, 90, 103-113	4.2	41
125	The moving boundary problems from melting and freezing to drying and frying of food. *Chemical Engineering and Processing: Process Intensification*, **2002**, 41, 1-10	3.7	41
124	Fundamental mechanisms and reactions in non-catalytic subcritical hydrothermal processes: A review. *Water Research*, **2017**, 123, 607-622	12.5	38
123	Experimental study on the selection of phase change materials for low temperature applications. *Renewable Energy*, **2013**, 57, 130-136	8.1	37

122	New salt hydrate composite for low-grade thermal energy storage. *Energy*, **2018**, 164, 194-203	7.9	37
121	Quality stability and sensory attributes of apple juice processed by thermosonication, pulsed electric field and thermal processing. *Food Science and Technology International*, **2017**, 23, 265-276	2.6	36
120	Changes in the myosin secondary structure and shrimp surimi gel strength induced by dense phase carbon dioxide. *Food Chemistry*, **2017**, 227, 219-226	8.5	34
119	Performance of direct contact latent heat storage units with two hydrated salts. *Solar Energy*, **1994**, 52, 179-189	6.8	34
118	Biodiesel production potential of wastewater treatment high rate algal pond biomass. *Bioresource Technology*, **2016**, 221, 222-233	11	33
117	Performance of a single-basin solar still. *Renewable Energy*, **1993**, 3, 75-83	8.1	33
116	Formation and degradation of valuable intermediate products during wet oxidation of municipal sludge. *Bioresource Technology*, **2016**, 205, 280-5	11	32
115	Variation of biomass energy yield in wastewater treatment high rate algal ponds. *Algal Research*, **2016**, 15, 143-151	5	32
114	Model predictive control strategy applied to different types of building for space heating. *Applied Energy*, **2018**, 231, 959-971	10.7	32
113	Cold energy storage in a packed bed of novel graphite/PCM composite spheres. *Energy*, **2019**, 171, 296-305	7.9	31
112	Experimental and comprehensive theoretical study of cold storage packages containing PCM. *Applied Thermal Engineering*, **2017**, 115, 899-912	5.8	30
111	Application of phase change material foam composites in the built environment: A critical review. *Renewable and Sustainable Energy Reviews*, **2020**, 131, 110008	16.2	29
110	Improving the production of propyl and butyl ester-based biodiesel by purification using deep eutectic solvents. *Separation and Purification Technology*, **2017**, 174, 570-576	8.3	29
109	New equipment for testing steady and transient thermal performance of multilayered building envelopes with PCM. *Energy and Buildings*, **2011**, 43, 3704-3709	7	29
108	Experimental and numerical investigations on the effect of using phase change materials for energy conservation in residential buildings. *HVAC and R Research*, **2011**, 17, 366-376		29
107	Potential of five different isolated colonial algal species for wastewater treatment and biomass energy production. *Algal Research*, **2017**, 21, 1-8	5	28
106	Analysis of Heat and Mass Transfer in Freeze Drying. *Drying Technology*, **2003**, 21, 249-263	2.6	28
105	Application of an active PCM storage system into a building for heating/cooling load reduction. *Energy*, **2020**, 210, 118572	7.9	28

104	Corrosion and health aspects in ohmic cooking of beef meat patties. *Journal of Food Engineering*, **2015**, 146, 17-22	6	27
103	Experimental validation of a methodology to assess PCM effectiveness in cooling building envelopes passively. *Energy and Buildings*, **2014**, 81, 59-71	7	27
102	Development of a model for compensating the influence of temperature gradients within the sample on DSC-results on phase change materials. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 1155-1160	4.1	27
101	Heat transfer and operating conditions for freeze concentration in a liquid–solid fluidized bed heat exchanger. *Chemical Engineering and Processing: Process Intensification*, **2006**, 45, 698-710	3.7	27
100	Analysis of energy requirements versus comfort levels for the integration of phase change materials in buildings. *Journal of Building Engineering*, **2015**, 1, 53-62	5.2	26
99	Preparation and Characterization of Microencapsulated Phase Change Materials for Use in Building Applications. *Materials*, **2015**, 9,	3.5	25
98	Compatibility of materials for macroencapsulation of inorganic phase change materials: Experimental corrosion study. *Applied Thermal Engineering*, **2016**, 107, 410-419	5.8	25
97	Microalgae as a Renewable Source of Energy: A Niche Opportunity. *Journal of Renewable Energy*, **2014**, 2014, 1-10	1.4	24
96	A unified approach to the heat and mass transfer in melting, solidification, frying and different drying processes. *Chemical Engineering Science*, **2001**, 56, 5419-5427	4.4	24
95	A comparison between passive and active PCM systems applied to buildings. *Renewable Energy*, **2020**, 162, 112-123	8.1	24
94	A new approach to the analysis of heat and mass transfer in drying and frying of food products. *Chemical Engineering and Processing: Process Intensification*, **2009**, 48, 217-223	3.7	22
93	THE ROLE OF NATURAL CONVECTION DURING MELTING AND SOLIDIFICATION OF PCM IN A VERTICAL CYLINDER. *Chemical Engineering Communications*, **1989**, 84, 43-60	2.2	22
92	Hydrothermal processing of cellulose: A comparison between oxidative and non-oxidative processes. *Bioresource Technology*, **2017**, 226, 229-237	11	21
91	Mechanical–electrochemical modeling of Li-ion battery designed for an electric scooter. *Journal of Power Sources*, **2006**, 158, 673-678	8.9	21
90	Pulsed electric field treatment of red wine: Inactivation of Brettanomyces and potential hazard caused by metal ion dissolution. *Innovative Food Science and Emerging Technologies*, **2019**, 52, 57-65	6.8	21
89	A Review on the Effect of High Pressure Processing (HPP) on Gelatinization and Infusion of Nutrients. *Molecules*, **2020**, 25,	4.8	20
88	A novel graphite-PCM composite sphere with enhanced thermo-physical properties. *Applied Thermal Engineering*, **2018**, 142, 401-409	5.8	19
87	Wastewater treatment high rate algal pond biomass for bio-crude oil production. *Bioresource Technology*, **2017**, 224, 255-264	11	19

86	Feasibility Study for Production of Biofuel and Chemicals from Marine Microalgae Nannochloropsis sp. Based on Basic Mass and Energy Analysis **2012**, 2012, 1-11		19
85	A Generalized Correlation for Heat and Mass Transfer in Freezing, Drying, Frying, and Freeze Drying. *Drying Technology*, **2003**, 21, 231-247	2.6	19
84	Performance of direct contact latent heat storage unit. *Solar Energy*, **1989**, 43, 237-251	6.8	19
83	Investigate the efficacy of UV pretreatment on thermal inactivation of Bacillus subtilis spores in different types of milk. *Innovative Food Science and Emerging Technologies*, **2019**, 52, 387-393	6.8	18
82	SO2, high pressure processing and pulsed electric field treatments of red wine: Effect on sensory, Brettanomyces inactivation and other quality parameters during one year storage. *Innovative Food Science and Emerging Technologies*, **2018**, 48, 204-211	6.8	18
81	Analysis of implementing phase change materials in open-air swimming pools. *Solar Energy*, **2012**, 86, 567-577	6.8	18
80	Experimental and numerical analysis of a chilly bin incorporating phase change material. *Applied Thermal Engineering*, **2013**, 58, 61-67	5.8	17
79	Growth kinetics of ice films spreading on a subcooled solid surface. *Separation and Purification Technology*, **2004**, 39, 109-121	8.3	17
78	Deep eutectic solvents Versatile chemicals in biodiesel production. *Fuel*, **2021**, 295, 120604	7.1	16
77	A novel approach of heat recovery system in compressed air energy storage (CAES). *Energy Conversion and Management*, **2018**, 178, 217-225	10.6	16
76	Strawberry puree processed by thermal, high pressure, or power ultrasound: Process energy requirements and quality modeling during storage. *Food Science and Technology International*, **2017**, 23, 293-309	2.6	15
75	Modelling the inactivation of Escherichia coli ATCC 25922 using pulsed electric field. *Innovative Food Science and Emerging Technologies*, **2008**, 9, 448-454	6.8	15
74	Development of the inorganic composite phase change materials for passive thermal management of Li-ion batteries: Application. *Journal of Power Sources*, **2021**, 491, 229624	8.9	15
73	Control strategies comparison of a ventilated facade with PCM energy savings, cost reduction and CO2 mitigation. *Energy and Buildings*, **2016**, 130, 821-828	7	15
72	Glycerolysis of free fatty acids: A review. *Renewable and Sustainable Energy Reviews*, **2021**, 137, 110501	16.2	15
71	A simple and effective model for cross-flow microfiltration and ultrafiltration. *Canadian Journal of Chemical Engineering*, **2002**, 80, 28-36	2.3	14
70	Effect of CO 2 addition on biomass energy yield in wastewater treatment high rate algal mesocosms. *Algal Research*, **2017**, 22, 93-103	5	13
69	Composite gypsum containing fatty-ester PCM to be used as constructive system: Thermophysical characterization of two shape-stabilized formulations. *Energy and Buildings*, **2015**, 86, 190-193	7	13

68	Effect of Subcritical Water on the Extraction of Bioactive Compounds from Carrot Leaves. *Food and Bioprocess Technology*, **2018**, 11, 1895-1903	5.1	13
67	Experimental and mathematical modeling of an air-PCM heat exchanger operating under static and dynamic loads. *Energy and Buildings*, **2019**, 202, 109354	7	13
66	Analytical model to study the heat storage of phase change material envelopes in lightweight passive buildings. *Building and Environment*, **2020**, 169, 106531	6.5	13
65	High-pressure processing of Manuka honey: brown pigment formation, improvement of antibacterial activity and hydroxymethylfurfural content. *International Journal of Food Science and Technology*, **2015**, 50, 178-185	3.8	12
64	Freeze concentration of milk and saline solutions in a liquid–solid fluidized bed. *Chemical Engineering and Processing: Process Intensification*, **2007**, 46, 1400-1411	3.7	12
63	A single correlation for the prediction of dehydration time in drying and frying of samples having different geometry and size. *Journal of Food Engineering*, **2004**, 63, 265-271	6	11
62	Peak load shifting using a price-based control in PCM-enhanced buildings. *Solar Energy*, **2020**, 211, 661-677	6.3	11
61	Effect of Temperatures on Polyphenols during Extraction. *Applied Sciences (Switzerland)*, **2022**, 12, 2107	2.6	11
60	Effect of high pressure processing on the conversion of dihydroxyacetone to methylglyoxal in New Zealand mānuka (Leptospermum scoparium) honey and models thereof. *Food Chemistry*, **2014**, 153, 134-9	8.5	10
59	Laboratory investigation on the use of thermally enhanced phase change material to improve the performance of borehole heat exchangers for ground source heat pumps. *International Journal of Energy Research*, **2019**, 43, 4148-4156	4.5	9
58	Binary mixtures of fatty alcohols and fatty acid esters as novel solid-liquid phase change materials. *International Journal of Energy Research*, **2019**, 43, 8536	4.5	9
57	Mass transfer modeling of Scenedesmus sp. lipids extracted by supercritical CO2. *Biomass and Bioenergy*, **2014**, 70, 530-541	5.3	9
56	Pasteurized ready-to-feed (RTF) infant formula fortified with lactoferrin: a potential niche product. *Journal of Food Engineering*, **2020**, 273, 109810	6	9
55	Understanding the Frying Process of Plant-Based Foods Pretreated with Pulsed Electric Fields Using Frying Models. *Foods*, **2020**, 9,	4.9	9
54	A Critical Review on the Control Strategies Applied to PCM-Enhanced Buildings. *Energies*, **2021**, 14, 1929	3.1	9
53	Assessing the nearly zero-energy building gap in university campuses with a feature extraction methodology applied to a case study in Spain. *International Journal of Energy and Environmental Engineering*, **2018**, 9, 227-247	4	8
52	Pyrolysis of wastewater treatment high rate algal pond (WWT HRAP) biomass. *Algal Research*, **2017**, 24, 509-519	5	8
51	Microencapsulation of a PCM through membrane emulsification and nanocompression-based determination of microcapsule strength. *Materials for Renewable and Sustainable Energy*, **2012**, 1, 1	4.7	8

50	Self-built supercritical CO2 anti-solvent unit design, construction and operation using carbamazepine. *AAPS PharmSciTech*, **2008**, 9, 944-52	3.9	8
49	Effect of using PCMs and shading devices on the thermal performance of buildings in different Algerian climates. A simulation-based optimization. *Solar Energy*, **2021**, 217, 375-389	6.8	8
48	Screening alternatives for producing paraffinic phase change materials for thermal energy storage in buildings. *International Journal of Energy Research*, **2017**, 41, 1932-1940	4.5	7
47	Hypoallergenic and Low-Protein Ready-to-Feed (RTF) Infant Formula by High Pressure Pasteurization: A Novel Product. *Foods*, **2019**, 8,	4.9	7
46	Performance of metal and non-metal coated phase change materials microcapsules when used in compressed air energy storage system. *Applied Thermal Engineering*, **2019**, 157, 113715	5.8	7
45	Modeling of phase change material implemented into cold storage application. *HVAC and R Research*, **2011**, 17, 257-267		7
44	The use of carbon electrodes in ohmic cooking of meat patties. *Asia-Pacific Journal of Chemical Engineering*, **2007**, 2, 474-479	1.3	7
43	Corrosion mechanism of electrodes in ohmic cooking. *Asia-Pacific Journal of Chemical Engineering*, **2007**, 2, 487-492	1.3	7
42	Miniaturized Refrigeration System With Advanced PCM Micro Encapsulation Technology **2007**, 1105		7
41	Enrichment of rice with natural thiamine using high-pressure processing (HPP). *Journal of Food Engineering*, **2020**, 283, 110040	6	6
40	Effect of thermal and high pressure processing on stability of betalain extracted from red beet stalks. *Journal of Food Science and Technology*, **2018**, 55, 568-577	3.3	6
39	Determination of an Effective Treatment Temperature of Chemical and Biological Reactions. *Food and Bioprocess Technology*, **2012**, 5, 147-154	5.1	6
38	Freeze concentration of milk and saline solutions in a liquid–solid fluidized bed: Part II. Modelling of ice removal. *Chemical Engineering and Processing: Process Intensification*, **2008**, 47, 539-547	3.7	5
37	Insight into the Influence of Grinding on the Extraction Efficiency of Selected Bioactive Compounds from Various Plant Leaves. *Applied Sciences (Switzerland)*, **2020**, 10, 6362	2.6	5
36	Sustainable technologies to improve indoor air quality in a residential house – A case study in Waikato, New Zealand. *Energy and Buildings*, **2021**, 250, 111283	7	5
35	Processing of baby food using pressure-assisted thermal sterilization (PATS) and comparison with thermal treatment. *High Pressure Research*, **2017**, 37, 579-593	1.6	4
34	Heat and Mass Transfer in Food Processing **2019**, 439-460		4
33	Preparation and characterization of progesterone dispersions using supercritical carbon dioxide. *Drug Development and Industrial Pharmacy*, **2014**, 40, 458-69	3.6	4

32	Evaluation of progesterone permeability from supercritical fluid processed dispersion systems. *Pharmaceutical Development and Technology*, **2014**, 19, 238-46	3.4	4
31	Pressure-assisted thermal sterilization of soup. *High Pressure Research*, **2010**, 30, 530-537	1.6	4
30	Scale-up unit of a unique moderately high pressure unit to enhance microbial inactivation. *Journal of Food Engineering*, **2011**, 105, 522-529	6	4
29	Performance of a small-scale compressed air storage (CAS). *International Journal of Energy Research* , **2019**, 43, 6233-6242	4.5	4
28	An improved model for the kinetics of non-oxidative hydrothermal process. *Journal of Environmental Management*, **2020**, 253, 109704	7.9	4
27	Microindentation of Microencapsulated Phase Change Materials. *Advanced Materials Research*, **2011**, 275, 85-88	0.5	3
26	Using PCM in Two Proposed Residential Buildings in Christchurch, New Zealand. *Energies*, **2020**, 13, 6025	3.1	3
25	Microencapsulation of phase change materials for thermal energy storage systems **2021**, 269-329		3
24	A Reversed-Phase HPLC Method for Determination of Osteopontin in Infant Formula. *Applied Sciences (Switzerland)*, **2019**, 9, 3711	2.6	2
23	Liquid Fuel from Plastic Wastes Using Extrusion Rotary Kiln Reactors **2006**, 531-548		2
22	Experimental Analysis of Cryogenic Freezing of Food. *Journal of Chemical Engineering of Japan*, **2004**, 37, 304-309	0.8	2
21	The potential use of pulsed electric field to assist in polygodial extraction from Horopito (Pseudowintera colorata) leaves. *Korean Journal of Chemical Engineering*, **2019**, 36, 272-280	2.8	2
20	Heat and Mass Transfer Modeling to Predict Temperature Distribution during Potato Frying after Pre-Treatment with Pulsed Electric Field. *Foods*, **2021**, 10,	4.9	2
19	Color, Yield, and Texture of Heat and High Pressure Processed Mussels During Ice Storage. *Journal of Aquatic Food Product Technology*, **2015**, 24, 68-78	1.6	1
18	Fire Retardant for Phase Change Material. *Engineering Materials*, **2015**, 187-207	0.4	1
17	Extension of shelf life of pasteurized trim milk using ultraviolet treatment. *Journal of Food Safety*, **2020**, 40, e12768	2	1
16	Optimization of high pressure processing for microbial load reduction in '' pulp using response surface methodology. *Journal of Food Science and Technology*, **2020**, 57, 2472-2479	3.3	1
15	An innovative approach for storing low-grade thermal energy using liquid phase thermoreversible reaction. *Applied Energy*, **2018**, 222, 823-829	10.7	1

14	Mathematical Modelling of Microwave Pyrolysis. *International Journal of Chemical Reactor Engineering*, **2013**, 11, 543-559	1.2	1
13	Cooling of milk on dairy farms: an application of a novel ice encapsulated storage system in New Zealand **2022**, 207-228		1
12	A Rapid Method for Low Temperature Microencapsulation of Phase Change Materials (PCMs) Using a Coiled Tube Ultraviolet Reactor. *Energies*, **2021**, 14, 7867	3.1	1
11	A mass transfer study of the wet oxidation of cellulose. *Chemical Engineering Journal*, **2020**, 384, 123326	14.7	1
10	Pressure assisted thermal pasteurization (PATP) of hypoallergenic and low protein ready-to-feed (RTF) infant formula fortified with bioactives: A novel approach. *Innovative Food Science and Emerging Technologies*, **2021**, 73, 102771	6.8	1
9	Evaluation of a Polyester Filter and UV Light (PFUV) Dehumidifier to Improve Indoor Environmental Quality: Preliminary Results. *Sustainability*, **2022**, 14, 4504	3.6	1
8	Microencapsulation of low melting phase change materials for cold storage applications. *Applied Energy*, **2022**, 321, 119347	10.7	1
7	Denaturation kinetics and storage stability of Osteopontin in reconstituted infant milk formula.. *Food Chemistry*, **2022**, 379, 132138	8.5	0
6	Effect of high pressure impregnation on micronutrient transfer in rice. *Food Chemistry*, **2021**, 362, 130248	8.5	0
5	Heat and Mass Transfer in Food Processing **2013**, 379-401		
4	Heat and Mass Transfer in Food Processing **2007**, 367-390		
3	Heat and Mass Transfer in Food Processing367-390		
2	Investigation of nitrogen purging prior to UV treatment on quality of milk. *International Journal of Food Engineering*, **2021**, 17, 189-197	1.9	
1	The Impact of Cell Ventilation on the Top Heat Losses and Fugitive Emissions in an Aluminium Smelting Cell433-438		