

Mohammed M Farid

List of Publications by Year in descending order

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176
papers

12,429
citations

30047

54
h-index

26591

107
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180
all docs

180
docs citations

180
times ranked

10180
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on phase change energy storage: materials and applications. <i>Energy Conversion and Management</i> , 2004, 45, 1597-1615.	4.4	2,436
2	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.	4.4	1,136
3	Thermal conductivity enhancement of phase change materials using a graphite matrix. <i>Applied Thermal Engineering</i> , 2006, 26, 1652-1661.	3.0	525
4	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.	4.0	323
5	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.	4.0	309
6	Ultraviolet treatment of orange juice. <i>Innovative Food Science and Emerging Technologies</i> , 2004, 5, 495-502.	2.7	266
7	A review on recent development in non-conventional food sterilization technologies. <i>Journal of Food Engineering</i> , 2016, 182, 33-45.	2.7	237
8	Improving the efficiency of photovoltaic cells using PCM infused graphite and aluminium fins. <i>Solar Energy</i> , 2015, 114, 217-228.	2.9	226
9	Supercritical CO ₂ as heat transfer fluid: A review. <i>Applied Thermal Engineering</i> , 2017, 125, 799-810.	3.0	197
10	Thermal Performance of a Heat Storage Module Using PCM's With Different Melting Temperatures: Mathematical Modeling. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1989, 111, 152-157.	1.1	181
11	Effective extraction of microalgae lipids from wet biomass for biodiesel production. <i>Biomass and Bioenergy</i> , 2014, 66, 159-167.	2.9	176
12	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.	3.1	158
13	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.	3.9	152
14	MICROWAVE VACUUM DRYING OF BANANA SLICES. <i>Drying Technology</i> , 2002, 20, 2055-2066.	1.7	151
15	A new approach to modelling of single droplet drying. <i>Chemical Engineering Science</i> , 2003, 58, 2985-2993.	1.9	148
16	Application of PCM energy storage in combination with night ventilation for space cooling. <i>Applied Energy</i> , 2015, 158, 412-421.	5.1	142
17	Wastewater treatment high rate algal ponds (WWT HRAP) for low-cost biofuel production. <i>Bioresource Technology</i> , 2015, 184, 202-214.	4.8	139
18	Emulsion stability and cross-linking of PMMA microcapsules containing phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 311-318.	3.0	139

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19	Supercooling elimination of phase change materials (PCMs) microcapsules. <i>Energy</i> , 2015, 87, 654-662.	4.5	129
20	The use of PCM panels to improve storage condition of frozen food. <i>Journal of Food Engineering</i> , 2010, 100, 372-376.	2.7	126
21	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.	4.4	124
22	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.	5.1	118
23	Effect of Temperatures on Polyphenols during Extraction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2107.	1.3	106
24	Supercritical carbon dioxide extraction of microalgae lipid: Process optimization and laboratory scale-up. <i>Journal of Supercritical Fluids</i> , 2014, 86, 57-66.	1.6	103
25	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.	2.7	103
26	Peak load shifting with energy storage and price-based control system. <i>Energy</i> , 2015, 92, 505-514.	4.5	101
27	Thermal Performance of a Heat Storage Module Using PCM [™] s With Different Melting Temperature: Experimental. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1990, 112, 125-131.	1.1	100
28	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.	3.9	100
29	Thermogravimetric measurement of deep eutectic solvents vapor pressure. <i>Journal of Molecular Liquids</i> , 2016, 222, 61-66.	2.3	93
30	Innovative method of metal coating of microcapsules containing phase change materials. <i>Solar Energy</i> , 2016, 129, 54-64.	2.9	88
31	An electrical storage heater using the phase-change method of heat storage. <i>Energy Conversion and Management</i> , 1990, 30, 219-230.	4.4	85
32	A Review of Enzymatic Transesterification of Microalgal Oil-Based Biodiesel Using Supercritical Technology. <i>Enzyme Research</i> , 2011, 2011, 1-25.	1.8	85
33	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, 206-211.	2.1	81
34	Corrosion of metal and polymer containers for use in PCM cold storage. <i>Applied Energy</i> , 2013, 109, 449-453.	5.1	81
35	Fire retardants for phase change materials. <i>Applied Energy</i> , 2011, 88, 3140-3145.	5.1	77
36	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.	1.8	77

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37	Pulsed electric field extraction of valuable compounds from white button mushroom (<i>Agaricus</i>) Tj ETQq1 1 0.784314.rgBT /Overlock 10	2.7	74
38	Application of phase change material foam composites in the built environment: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110008.	8.2	73
39	An investigation on pulsed electric fields technology using new treatment chamber design. <i>Innovative Food Science and Emerging Technologies</i> , 2007, 8, 205-212.	2.7	69
40	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.	2.7	69
41	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.	3.0	69
42	Growth of microalgae using CO ₂ enriched air for biodiesel production in supercritical CO ₂ . <i>Renewable Energy</i> , 2015, 82, 61-70.	4.3	67
43	The mathematical modelling of the rehydration characteristics of fruits. <i>Journal of Food Engineering</i> , 2006, 72, 16-23.	2.7	66
44	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.	1.8	64
45	Combined ohmic and plate heating of hamburger patties: quality of cooked patties. <i>Journal of Food Engineering</i> , 2004, 63, 141-145.	2.7	63
46	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.	4.2	59
47	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.	1.8	58
48	CO ₂ mitigation accounting for Thermal Energy Storage (TES) case studies. <i>Applied Energy</i> , 2015, 155, 365-377.	5.1	58
49	A comparison between passive and active PCM systems applied to buildings. <i>Renewable Energy</i> , 2020, 162, 112-123.	4.3	58
50	Life Cycle Assessment of experimental cubicles including PCM manufactured from natural resources (esters): A theoretical study. <i>Renewable Energy</i> , 2013, 51, 398-403.	4.3	57
51	Fundamental mechanisms and reactions in non-catalytic subcritical hydrothermal processes: A review. <i>Water Research</i> , 2017, 123, 607-622.	5.3	57
52	Model predictive control strategy applied to different types of building for space heating. <i>Applied Energy</i> , 2018, 231, 959-971.	5.1	57
53	Cold energy storage in a packed bed of novel graphite/PCM composite spheres. <i>Energy</i> , 2019, 171, 296-305.	4.5	55
54	Application of an active PCM storage system into a building for heating/cooling load reduction. <i>Energy</i> , 2020, 210, 118572.	4.5	55

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55	Production of biodiesel using a continuous gas-liquid reactor. <i>Bioresource Technology</i> , 2009, 100, 683-689.	4.8	54
56	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.	5.1	54
57	New salt hydrate composite for low-grade thermal energy storage. <i>Energy</i> , 2018, 164, 194-203.	4.5	54
58	Solar desalination with a humidification-dehumidification cycle. <i>Desalination</i> , 1996, 106, 427-429.	4.0	53
59	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.	1.1	51
60	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.	1.8	48
61	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.	4.0	48
62	Experimental study on the selection of phase change materials for low temperature applications. <i>Renewable Energy</i> , 2013, 57, 130-136.	4.3	47
63	Enzymatic biodiesel production of microalgae lipids under supercritical carbon dioxide: Process optimization and integration. <i>Biochemical Engineering Journal</i> , 2014, 90, 103-113.	1.8	47
64	Formation and degradation of valuable intermediate products during wet oxidation of municipal sludge. <i>Bioresource Technology</i> , 2016, 205, 280-285.	4.8	45
65	Compatibility of materials for macroencapsulation of inorganic phase change materials: Experimental corrosion study. <i>Applied Thermal Engineering</i> , 2016, 107, 410-419.	3.0	44
66	Experimental and comprehensive theoretical study of cold storage packages containing PCM. <i>Applied Thermal Engineering</i> , 2017, 115, 899-912.	3.0	44
67	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.	3.9	43
68	Biodiesel production potential of wastewater treatment high rate algal pond biomass. <i>Bioresource Technology</i> , 2016, 221, 222-233.	4.8	42
69	Performance of direct contact latent heat storage units with two hydrated salts. <i>Solar Energy</i> , 1994, 52, 179-189.	2.9	39
70	Preparation and Characterization of Microencapsulated Phase Change Materials for Use in Building Applications. <i>Materials</i> , 2016, 9, 11.	1.3	39
71	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.	2.7	39
72	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.	2.7	39

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73	Deep eutectic solvents â€“ Versatile chemicals in biodiesel production. <i>Fuel</i> , 2021, 295, 120604.	3.4	39
74	Performance of a single-basin solar still. <i>Renewable Energy</i> , 1993, 3, 75-83.	4.3	38
75	Potential of five different isolated colonial algal species for wastewater treatment and biomass energy production. <i>Algal Research</i> , 2017, 21, 1-8.	2.4	38
76	A Review on the Effect of High Pressure Processing (HPP) on Gelatinization and Infusion of Nutrients. <i>Molecules</i> , 2020, 25, 2369.	1.7	38
77	Experimental validation of a methodology to assess PCM effectiveness in cooling building envelopes passively. <i>Energy and Buildings</i> , 2014, 81, 59-71.	3.1	36
78	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.	0.9	35
79	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.	1.6	35
80	Glycerolysis of free fatty acids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110501.	8.2	35
81	Variation of biomass energy yield in wastewater treatment high rate algal ponds. <i>Algal Research</i> , 2016, 15, 143-151.	2.4	34
82	THE ROLE OF NATURAL CONVECTION DURING MELTING AND SOLIDIFICATION OF PCM IN A VERTICAL CYLINDER. <i>Chemical Engineering Communications</i> , 1989, 84, 43-60.	1.5	33
83	Analysis of Heat and Mass Transfer in Freeze Drying. <i>Drying Technology</i> , 2003, 21, 249-263.	1.7	33
84	New equipment for testing steady and transient thermal performance of multilayered building envelopes with PCM. <i>Energy and Buildings</i> , 2011, 43, 3704-3709.	3.1	33
85	Microalgae as a Renewable Source of Energy: A Niche Opportunity. <i>Journal of Renewable Energy</i> , 2014, 2014, 1-10.	2.1	33
86	Hydrothermal processing of cellulose: A comparison between oxidative and non-oxidative processes. <i>Bioresource Technology</i> , 2017, 226, 229-237.	4.8	32
87	A novel graphite-PCM composite sphere with enhanced thermo-physical properties. <i>Applied Thermal Engineering</i> , 2018, 142, 401-409.	3.0	32
88	Microencapsulation of low melting phase change materials for cold storage applications. <i>Applied Energy</i> , 2022, 321, 119347.	5.1	32
89	Heat transfer and operating conditions for freeze concentration in a liquidâ€“solid fluidized bed heat exchanger. <i>Chemical Engineering and Processing: Process Intensification</i> , 2006, 45, 698-710.	1.8	31
90	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.	1.9	30

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91	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.	2.7	30
92	Peak load shifting using a price-based control in PCM-enhanced buildings. <i>Solar Energy</i> , 2020, 211, 661-673.	2.9	30
93	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.	2.0	29
94	Corrosion and health aspects in ohmic cooking of beef meat patties. <i>Journal of Food Engineering</i> , 2015, 146, 17-22.	2.7	29
95	A Critical Review on the Control Strategies Applied to PCM-Enhanced Buildings. <i>Energies</i> , 2021, 14, 1929.	1.6	29
96	Mechanical electrochemical modeling of Li-ion battery designed for an electric scooter. <i>Journal of Power Sources</i> , 2006, 158, 673-678.	4.0	26
97	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.	1.1	26
98	Experimental and mathematical modeling of an air-PCM heat exchanger operating under static and dynamic loads. <i>Energy and Buildings</i> , 2019, 202, 109354.	3.1	26
99	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.	1.8	25
100	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.	3.1	25
101	Understanding the Frying Process of Plant-Based Foods Pretreated with Pulsed Electric Fields Using Frying Models. <i>Foods</i> , 2020, 9, 949.	1.9	25
102	Experimental and numerical analysis of a chilly bin incorporating phase change material. <i>Applied Thermal Engineering</i> , 2013, 58, 61-67.	3.0	24
103	A novel approach of heat recovery system in compressed air energy storage (CAES). <i>Energy Conversion and Management</i> , 2018, 178, 217-225.	4.4	24
104	Analytical model to study the heat storage of phase change material envelopes in lightweight passive buildings. <i>Building and Environment</i> , 2020, 169, 106531.	3.0	24
105	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.	2.9	23
106	Analysis of implementing phase change materials in open-air swimming pools. <i>Solar Energy</i> , 2012, 86, 567-577.	2.9	22
107	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.	3.1	22
108	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.		21

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109	Effect of Subcritical Water on the Extraction of Bioactive Compounds from Carrot Leaves. Food and Bioprocess Technology, 2018, 11, 1895-1903.	2.6	21
110	Performance of direct contact latent heat storage unit. Solar Energy, 1989, 43, 237-251.	2.9	20
111	Growth kinetics of ice films spreading on a subcooled solid surface. Separation and Purification Technology, 2004, 39, 109-121.	3.9	20
112	A Generalized Correlation for Heat and Mass Transfer in Freezing, Drying, Frying, and Freeze Drying. Drying Technology, 2003, 21, 231-247.	1.7	19
113	Wastewater treatment high rate algal pond biomass for bio-crude oil production. Bioresource Technology, 2017, 224, 255-264.	4.8	19
114	A simple and effective model for cross-flow microfiltration and ultrafiltration. Canadian Journal of Chemical Engineering, 2002, 80, 28-36.	0.9	18
115	Effect of CO ₂ addition on biomass energy yield in wastewater treatment high rate algal mesocosms. Algal Research, 2017, 22, 93-103.	2.4	18
116	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.	2.2	18
117	Modelling the inactivation of Escherichia coli ATCC 25922 using pulsed electric field. Innovative Food Science and Emerging Technologies, 2008, 9, 448-454.	2.7	17
118	High-pressure processing of Mankai honey: brown pigment formation, improvement of antibacterial activity and hydroxymethylfurfural content. International Journal of Food Science and Technology, 2015, 50, 178-185.	1.3	17
119	Binary mixtures of fatty alcohols and fatty acid esters as novel solid-liquid phase change materials. International Journal of Energy Research, 2019, 43, 8536.	2.2	15
120	Hypoallergenic and Low-Protein Ready-to-Feed (RTF) Infant Formula by High Pressure Pasteurization: A Novel Product. Foods, 2019, 8, 408.	1.9	15
121	Pasteurized ready-to-feed (RTF) infant formula fortified with lactoferrin: a potential niche product. Journal of Food Engineering, 2020, 273, 109810.	2.7	14
122	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.	2.7	13
123	Freeze concentration of milk and saline solutions in a liquid-solid fluidized bed. Chemical Engineering and Processing: Process Intensification, 2007, 46, 1400-1411.	1.8	13
124	Mass transfer modeling of Scenedesmus sp. lipids extracted by supercritical CO ₂ . Biomass and Bioenergy, 2014, 70, 530-541.	2.9	13
125	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.	1.4	13
126	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.	3.0	13

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127	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.	1.3	13
128	Enrichment of rice with natural thiamine using high-pressure processing (HPP). <i>Journal of Food Engineering</i> , 2020, 283, 110040.	2.7	13
129	Modeling of phase change material implemented into cold storage application. <i>HVAC and R Research</i> , 2011, 17, 257-267.	0.9	12
130	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.	1.3	12
131	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.	3.1	11
132	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.	1.5	10
133	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, 134-139.	4.2	10
134	Miniaturized Refrigeration System With Advanced PCM Micro Encapsulation Technology. , 2007, , 1105.		9
135	Pyrolysis of wastewater treatment high rate algal pond (WWT HRAP) biomass. <i>Algal Research</i> , 2017, 24, 509-519.	2.4	9
136	Using PCM in Two Proposed Residential Buildings in Christchurch, New Zealand. <i>Energies</i> , 2020, 13, 6025.	1.6	9
137	Heat and Mass Transfer Modeling to Predict Temperature Distribution during Potato Frying after Pre-Treatment with Pulsed Electric Field. <i>Foods</i> , 2021, 10, 1679.	1.9	9
138	Self-built Supercritical CO ₂ Anti-solvent Unit Design, Construction and Operation using Carbamazepine. <i>AAPS PharmSciTech</i> , 2008, 9, 944-952.	1.5	8
139	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.	2.2	8
140	A Rapid Method for Low Temperature Microencapsulation of Phase Change Materials (PCMs) Using a Coiled Tube Ultraviolet Reactor. <i>Energies</i> , 2021, 14, 7867.	1.6	8
141	The use of carbon electrodes in ohmic cooking of meat patties. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007, 2, 474-479.	0.8	7
142	Corrosion mechanism of electrodes in ohmic cooking. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007, 2, 487-492.	0.8	7
143	Freeze concentration of milk and saline solutions in a liquid–solid fluidized bed. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 539-547.	1.8	7
144	Processing of baby food using pressure-assisted thermal sterilization (PATS) and comparison with thermal treatment. <i>High Pressure Research</i> , 2017, 37, 579-593.	0.4	7

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145	Determination of an Effective Treatment Temperature of Chemical and Biological Reactions. Food and Bioprocess Technology, 2012, 5, 147-154.	2.6	6
146	Preparation and characterization of progesterone dispersions using supercritical carbon dioxide. Drug Development and Industrial Pharmacy, 2014, 40, 458-469.	0.9	6
147	Heat and Mass Transfer in Food Processing. , 2019, , 439-460.		6
148	An improved model for the kinetics of non-oxidative hydrothermal process. Journal of Environmental Management, 2020, 253, 109704.	3.8	6
149	Effect of high pressure impregnation on micronutrient transfer in rice. Food Chemistry, 2021, 362, 130244.	4.2	6
150	Microencapsulation of phase change materials for thermal energy storage systems. , 2021, , 269-329.		6
151	Scale-up unit of a unique moderately high pressure unit to enhance microbial inactivation. Journal of Food Engineering, 2011, 105, 522-529.	2.7	5
152	Evaluation of a Polyester Filter and UV Light (PFUV) Dehumidifier to Improve Indoor Environmental Quality: Preliminary Results. Sustainability, 2022, 14, 4504.	1.6	5
153	Methods for the Synthesis of Phase Change Material Microcapsules with Enhanced Thermophysical Propertiesâ€”A State-of-the-Art Review. Micro, 2022, 2, 426-474.	0.9	5
154	Liquid Fuel from Plastic Wastes Using Extrusion-Rotary Kiln Reactors. , 2006, , 531-548.		4
155	Pressure-assisted thermal sterilization of soup. High Pressure Research, 2010, 30, 530-537.	0.4	4
156	Evaluation of progesterone permeability from supercritical fluid processed dispersion systems. Pharmaceutical Development and Technology, 2014, 19, 238-246.	1.1	4
157	Fire Retardant for Phase Change Material. Engineering Materials, 2015, , 187-207.	0.3	4
158	Performance of a smallâ€”scale compressed air storage (CAS). International Journal of Energy Research, 2019, 43, 6233-6242.	2.2	4
159	Extension of shelf life of pasteurized trim milk using ultraviolet treatment. Journal of Food Safety, 2020, 40, e12768.	1.1	4
160	Optimization of high pressure processing for microbial load reduction in Diospyros kaki â€”Fuyuâ€” pulp using response surface methodology. Journal of Food Science and Technology, 2020, 57, 2472-2479.	1.4	4
161	Combination of Passive and Active Solar Heating with Thermal Energy Storage. Molecules, 2022, 27, 4386.	1.7	4
162	Experimental Analysis of Cryogenic Freezing of Food. Journal of Chemical Engineering of Japan, 2004, 37, 304-309.	0.3	3

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163	Microindentation of Microencapsulated Phase Change Materials. <i>Advanced Materials Research</i> , 2011, 275, 85-88.	0.3	3
164	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.	0.6	3
165	A Reversed-Phase HPLC Method for Determination of Osteopontin in Infant Formula. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3711.	1.3	3
166	Mathematical Modelling of Microwave Pyrolysis. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 543-559.	0.6	2
167	An innovative approach for storing low-grade thermal energy using liquid phase thermoreversible reaction. <i>Applied Energy</i> , 2018, 222, 823-829.	5.1	2
168	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.	1.2	2
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