

Hasan Shaker Majdi

List of Publications by Year in descending order

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58
papers

1,071
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

970
citing authors

#	ARTICLE	IF	CITATIONS
1	Horizontal Gene Transfer: From Evolutionary Flexibility to Disease Progression. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 229.	3.7	80
2	Design characteristics of corrugated trapezoidal plate heat exchangers using nanofluids. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 87, 88-103.	3.6	74
3	Cinnamon nanophytosomes embedded electrospun nanofiber: Its effects on microbial quality and shelf-life of shrimp as a novel packaging. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100349.	7.5	68
4	Formic Acid Dehydrogenation Using Noble-Metal Nanoheterogeneous Catalysts: Towards Sustainable Hydrogen-Based Energy. <i>Catalysts</i> , 2022, 12, 324.	3.5	53
5	Nanomagnetic Salamo-based-Pd(0) Complex: an efficient heterogeneous catalyst for Suzuki–Miyaura and Heck cross-coupling reactions in aqueous medium. <i>Journal of Molecular Structure</i> , 2022, 1261, 132930.	3.6	50
6	The effect of chrysin–curcumin-loaded nanofibres on the wound-healing process in male rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1642-1652.	2.8	49
7	Enhancement aspects of single stage absorption cooling cycle: A detailed review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 1010-1045.	16.4	43
8	Simultaneous and consecutive charging and discharging of a PCM-based domestic air heater with metal foam. <i>Applied Thermal Engineering</i> , 2021, 197, 117408.	6.0	38
9	Removal of Dye from a Leather Tanning Factory by Flat-Sheet Blend Ultrafiltration (UF) Membrane. <i>Membranes</i> , 2020, 10, 47.	3.0	37
10	Current affinity approaches for purification of recombinant proteins. <i>Cogent Biology</i> , 2019, 5, 1665406.	1.7	32
11	Investigation of Heat Transfer Enhancement in a Triple Tube Latent Heat Storage System Using Circular Fins with Inline and Staggered Arrangements. <i>Nanomaterials</i> , 2021, 11, 2647.	4.1	32
12	Dynamic DNA nanostructures in biomedicine: Beauty, utility and limits. <i>Journal of Controlled Release</i> , 2019, 315, 166-185.	9.9	31
13	Static DNA Nanostructures For Cancer Theranostics: Recent Progress In Design And Applications. <i>Nanotechnology, Science and Applications</i> , 2019, Volume 12, 25-46.	4.6	30
14	Removal of 4-Nitrophenol from Aqueous Solution by Using Polyphenylsulfone-Based Blend Membranes: Characterization and Performance. <i>Membranes</i> , 2021, 11, 171.	3.0	30
15	Numerical analysis of flow and heat transfer enhancement in a horizontal pipe with P-TT and V-Cut twisted tape. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 749-758.	5.7	29
16	Antibody conjugated green synthesized chitosan-gold nanoparticles for optical biosensing. <i>Colloids and Interface Science Communications</i> , 2019, 33, 100207.	4.1	27
17	Modification of Poly(vinylidene fluoride-co-hexafluoropropylene) Membranes with DES-Functionalized Carbon Nanospheres for Removal of Methyl Orange by Membrane Distillation. <i>Water (Switzerland)</i> , 2022, 14, 1396.	2.7	26
18	Effect of Electrode Material and Hydrodynamics on the Produced Current in Double Chamber Microbial Fuel Cells. <i>ACS Omega</i> , 2020, 5, 10339-10348.	3.5	24

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19	Solidification Enhancement in a Triple-Tube Latent Heat Energy Storage System Using Twisted Fins. <i>Energies</i> , 2021, 14, 7179.	3.1	23
20	Performance evaluation of combined ejector LiBr/H ₂ O absorption cooling cycle. <i>Case Studies in Thermal Engineering</i> , 2016, 7, 25-35.	5.7	21
21	Comparative study of embedded functionalised MWCNTs and GO in Ultrafiltration (UF) PVC membrane: interaction mechanisms and performance. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 415-436.	3.3	21
22	The effect of chrysin-loaded nanofiber on wound healing process in male rat. <i>Chemical Biology and Drug Design</i> , 2017, 90, 1106-1114.	3.2	18
23	A simple strategy for chemo-photothermal ablation of breast cancer cells by novel smart gold nanoparticles. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 25-37.	2.6	18
24	Experimental and Theoretical Analysis of Lead Pb ²⁺ and Cd ²⁺ Retention from a Single Salt Using a Hollow Fiber PES Membrane. <i>Membranes</i> , 2020, 10, 136.	3.0	16
25	Prediction of busulfan solubility in supercritical CO ₂ using tree-based and neural network-based methods. <i>Journal of Molecular Liquids</i> , 2022, 351, 118630.	4.9	15
26	Fabrication of Gum Arabic-Graphene (GGA) Modified Polyphenylsulfone (PPSU) Mixed Matrix Membranes: A Systematic Evaluation Study for Ultrafiltration (UF) Applications. <i>Membranes</i> , 2021, 11, 542.	3.0	14
27	Role of Acute Myeloid Leukemia (AML)-Derived exosomes in tumor progression and survival. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 113009.	5.6	14
28	Groundwater Hydrogeochemical and Quality Appraisal for Agriculture Irrigation in Greenbelt Area, Iraq. <i>Environments - MDPI</i> , 2022, 9, 43.	3.3	13
29	A Systematic Framework for Optimizing a Sweeping Gas Membrane Distillation (SGMD). <i>Membranes</i> , 2020, 10, 254.	3.0	12
30	Comparison between Artificial Neural Network and Rigorous Mathematical Model in Simulation of Industrial Heavy Naphtha Reforming Process. <i>Catalysts</i> , 2021, 11, 1034.	3.5	11
31	Synthesis of nano-alumina powder via recrystallization of ammonium alum. <i>Ceramica</i> , 2019, 65, 236-239.	0.8	10
32	A new optimization approach for shell and tube heat exchangers by using electromagnetism-like algorithm (EM). <i>Heat and Mass Transfer</i> , 2016, 52, 2621-2634.	2.1	9
33	Performance Evaluation of Polyethersulfone Membranes for Competitive Removal of Cd ²⁺ , Co ²⁺ , and Pb ²⁺ Ions from Simulated Groundwater. <i>Geofluids</i> , 2021, 2021, 1-11.	0.7	9
34	Performance Analysis of a Solar Cooling System with Equal and Unequal Adsorption/Desorption Operating Time. <i>Energies</i> , 2021, 14, 6749.	3.1	9
35	Natural Convection Effect on Solidification Enhancement in a Multi-Tube Latent Heat Storage System: Effect of Tubes' Arrangement. <i>Energies</i> , 2021, 14, 7489.	3.1	9
36	Novel Water-Soluble Poly(terephthalic-co-glycerol-g-fumaric acid) Copolymer Nanoparticles Harnessed as Pore Formers for Polyethersulfone Membrane Modification: Permeability>Selectivity Tradeoff Manipulation. <i>Water (Switzerland)</i> , 2022, 14, 1507.	2.7	8

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37	Using KDF material to improve the performance of multi-layers filters in the reduction of chemical and biological pollutants in surface water treatment. South African Journal of Chemical Engineering, 2019, 28, 39-45.	2.4	7
38	Catalytic Growth of 1D ZnO Nanoneedles on Glass Substrates Through Vapor Transport. Journal of Electronic Materials, 2019, 48, 1660-1668.	2.2	7
39	Regulatory T Cells in Bioactive Peptides-Induced Oral Tolerance; a Two-Edged Sword Related to the Risk of Chronic Diseases: A Systematic Review. Nutrition and Cancer, 2021, 73, 956-967.	2.0	7
40	Start-up and operation of novel EN-MBBR system for sidestreams treatment and sensitivity analysis modeling using GPS-X simulation. AEJ - Alexandria Engineering Journal, 2022, 61, 10805-10818.	6.4	7
41	Modeling the Physical Properties of Gamma Alumina Catalyst Carrier Based on an Artificial Neural Network. Materials, 2019, 12, 1752.	2.9	6
42	Study on oil fouling in a double pipe heat exchanger with mitigation by a surfactant. Heat Transfer, 2020, 49, 2645-2658.	3.0	5
43	Computational Fluid Dynamics Investigation of Buoyancy Driven Flow Between Circular Body and Wavy Enclosure Filled with Nanofluid/Porous Medium. International Journal of Heat and Technology, 2020, 38, 403-417.	0.6	5
44	Upgrade of heavy crude oil via aquathermolysis over several types of catalysts. Materials Express, 2022, 12, 278-287.	0.5	4
45	Reaction Kinetics of Cinnamaldehyde Hydrogenation over Pt/SiO ₂ : Comparison between Bulk and Intraparticle Diffusion Models. International Journal of Chemical Engineering, 2022, 2022, 1-14.	2.4	4
46	Optimization of Graphene Oxide Nanoparticles Mixed Matrix Membrane for AB-210 Dye Removal. Journal of Ecological Engineering, 2022, 23, 115-127.	1.1	4
47	Degradation of Anti-Inflammatory Drugs in Synthetic Wastewater by Solar Photocatalysis. Catalysts, 2021, 11, 1330.	3.5	3
48	Simulation of heat release from phase change material with insert of fins and addition of nano-powders. Journal of Energy Storage, 2022, 52, 104680.	8.1	3
49	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. Mathematics, 2022, 10, 2261.	2.2	3
50	Enabling Techniques for 10 Gbps Long-Haul Transmission in Non-Coherent OCDMA Systems. , 2018, , .		1
51	A High Throughput Architecture for 5G Wireless Backhaul Networks. , 2018, , .		1
52	CHARACTERISTICS OF NATURAL CONVECTION FLOW AND HEAT TRANSFER OF PARALLELOGRAMIC ENCLOSURE WITH AN INNER CIRCULAR CYLINDER USING LIQUID NANOFUIDS. Frontiers in Heat and Mass Transfer, 2018, 12, .	0.2	1
53	Enhancement of energy transfer efficiency for photovoltaic (PV) systems by cooling the panel surfaces. Eastern-European Journal of Enterprise Technologies, 2021, 4, 83-89.	0.5	0
54	NUMERICAL SIMULATION OF THE PARTIAL THERMAL ZONES INFLUENCE ON NATURAL CONVECTION HEAT TRANSFER INSIDE ENCLOSURE FILLED WITH NANOFUIDS. JP Journal of Heat and Mass Transfer, 2019, 16, 149-166.	0.2	0

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55	Analysis of fault diagnosis of DC motors by power consumption pattern recognition. Eastern-European Journal of Enterprise Technologies, 2021, 5, 14-20.	0.5	0
56	A Newly Developed Empirical Predictive Model for the Dispersed Phase (DP) Holdup in Rotating Disc Contactors. ChemEngineering, 2021, 5, 79.	2.4	0
57	Modeling of thermal distributions by analyzing the heat tolerance of a robotic gripper pivot exposed to heated electronics. Eastern-European Journal of Enterprise Technologies, 2022, 1, 24-28.	0.5	0
58	Study of the Impact of Tube Configurations on the Local Heat Transfer Coefficient in Mimicked Fischer-Tropsch Bubble Column Reactor. Processes, 2022, 10, 976.	2.8	0