Hasan Shaker Majdi

List of Publications by Year
in descending order

58	1,071	394421 19	454955 30
papers	citations	h-index	g-index

58	58	58	970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of embedded functionalised MWCNTs and GO in Ultrafiltration (UF) PVC membrane: interaction mechanisms and performance. International Journal of Environmental Analytical Chemistry, 2023, 103, 415-436.	3.3	21
2	Prediction of busulfan solubility in supercritical CO2 using tree-based and neural network-based methods. Journal of Molecular Liquids, 2022, 351, 118630.	4.9	15
3	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
4	Groundwater Hydrogeochemical and Quality Appraisal for Agriculture Irrigation in Greenbelt Area, Iraq. Environments - MDPI, 2022, 9, 43.	3.3	13
5	Formic Acid Dehydrogenation Using Noble-Metal Nanoheterogeneous Catalysts: Towards Sustainable Hydrogen-Based Energy. Catalysts, 2022, 12, 324.	3.5	53
6	Nanomagnetic Salamo-based-Pd(0) Complex: an efficient heterogeneous catalyst for Suzukiâ€“Miyaura and Heck cross-coupling reactions in aqueous medium. Journal of Molecular Structure, 2022, 1261, 132930.	3.6	50
7	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
8	Modification of Poly(vinylidene fluoride-co-hexafluoropropylene) Membranes with DES-Functionalized Carbon Nanospheres for Removal of Methyl Orange by Membrane Distillation. Water (Switzerland), 2022, 14, 1396.	2.7	26
9	Novel Water-Soluble Poly(terephthalic-co-glycerol-g-fumaric acid) Copolymer Nanoparticles Harnessed as Pore Formers for Polyethersulfone Membrane Modification: Permeabilityâ€“Selectivity Tradeoff Manipulation. Water (Switzerland), 2022, 14, 1507.	2.7	8
10	Role of Acute Myeloid Leukemia (AML)-Derived exosomes in tumor progression and survival. Biomedicine and Pharmacotherapy, 2022, 150, 113009.	5.6	14
11	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
12	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
13	Upgrade of heavy crude oil via aquathermolysis over several types of catalysts. Materials Express, 2022, 12, 278-287.	0.5	4
14	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. Mathematics, 2022, 10, 2261.	2.2	3
15	Reaction Kinetics of Cinnamaldehyde Hydrogenation over Pt/SiO2: Comparison between Bulk and Intraparticle Diffusion Models. International Journal of Chemical Engineering, 2022, 2022, 1-14.	2.4	4
16	Optimization of Graphene Oxide Nanoparticles Mixed Matrix Membrane for AB-210 Dye Removal. Journal of Ecological Engineering, 2022, 23, 115-127.	1.1	4
17	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
18	Performance Evaluation of Polyethersulfone Membranes for Competitive Removal of Cd2+, Co2+, and Pb2+ Ions from Simulated Groundwater. Geofluids, 2021, 2021, 1-11.	0.7	9

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19	Removal of 4-Nitrophenol from Aqueous Solution by Using Polyphenylsulfone-Based Blend Membranes: Characterization and Performance. Membranes, 2021, 11, 171.	3.0	30
20	Fabrication of Gum Arabic-Graphene (GGA) Modified Polyphenylsulfone (PPSU) Mixed Matrix Membranes: A Systematic Evaluation Study for Ultrafiltration (UF) Applications. Membranes, 2021, 11, 542.	3.0	14
21	Comparison between Artificial Neural Network and Rigorous Mathematical Model in Simulation of Industrial Heavy Naphtha Reforming Process. Catalysts, 2021, 11, 1034.	3.5	11
22	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
23	Simultaneous and consecutive charging and discharging of a PCM-based domestic air heater with metal foam. Applied Thermal Engineering, 2021, 197, 117408.	6.0	38
24	Investigation of Heat Transfer Enhancement in a Triple Tube Latent Heat Storage System Using Circular Fins with Inline and Staggered Arrangements. Nanomaterials, 2021, 11, 2647.	4.1	32
25	Performance Analysis of a Solar Cooling System with Equal and Unequal Adsorption/Desorption Operating Time. Energies, 2021, 14, 6749.	3.1	9
26	Degradation of Anti-Inflammatory Drugs in Synthetic Wastewater by Solar Photocatalysis. Catalysts, 2021, 11, 1330.	3.5	3
27	Solidification Enhancement in a Triple-Tube Latent Heat Energy Storage System Using Twisted Fins. Energies, 2021, 14, 7179.	3.1	23
28	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
29	Natural Convection Effect on Solidification Enhancement in a Multi-Tube Latent Heat Storage System: Effect of Tubesâ€™ Arrangement. Energies, 2021, 14, 7489.	3.1	9
30	A Newly Developed Empirical Predictive Model for the Dispersed Phase (DP) Holdup in Rotating Disc Contactors. ChemEngineering, 2021, 5, 79.	2.4	0
31	A Systematic Framework for Optimizing a Sweeping Gas Membrane Distillation (SGMD). Membranes, 2020, 10, 254.	3.0	12
32	Horizontal Gene Transfer: From Evolutionary Flexibility to Disease Progression. Frontiers in Cell and Developmental Biology, 2020, 8, 229.	3.7	80
33	Removal of Dye from a Leather Tanning Factory by Flat-Sheet Blend Ultrafiltration (UF) Membrane. Membranes, 2020, 10, 47.	3.0	37
34	Experimental and Theoretical Analysis of Lead Pb2+ and Cd2+ Retention from a Single Salt Using a Hollow Fiber PES Membrane. Membranes, 2020, 10, 136.	3.0	16
35	Effect of Electrode Material and Hydrodynamics on the Produced Current in Double Chamber Microbial Fuel Cells. ACS Omega, 2020, 5, 10339-10348.	3.5	24
36	Study on oil fouling in a double pipe heat exchanger with mitigation by a surfactant. Heat Transfer, 2020, 49, 2645-2658.	3.0	5

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37	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
38	Synthesis of nano-alumina powder via recrystallization of ammonium alum. Ceramica, 2019, 65, 236-239.	0.8	10
39	Dynamic DNA nanostructures in biomedicine: Beauty, utility and limits. Journal of Controlled Release, 2019, 315, 166-185.	9.9	31
40	Static DNA Nanostructures For Cancer Theranostics: Recent Progress In Design And Applications . Nanotechnology, Science and Applications, 2019, Volume 12, 25-46.	4.6	30
41	A simple strategy for chemo-photothermal ablation of breast cancer cells by novel smart gold nanoparticles. Photodiagnosis and Photodynamic Therapy, 2019, 28, 25-37.	2.6	18
42	Current affinity approaches for purification of recombinant proteins. Cogent Biology, 2019, 5, 1665406.	1.7	32
43	Antibody conjugated green synthesized chitosan-gold nanoparticles for optical biosensing. Colloids and Interface Science Communications, 2019, 33, 100207.	4.1	27
44	Cinnamon nanophytosomes embedded electrospun nanofiber: Its effects on microbial quality and shelf-life of shrimp as a novel packaging. Food Packaging and Shelf Life, 2019, 21, 100349.	7.5	68
45	Modeling the Physical Properties of Gamma Alumina Catalyst Carrier Based on an Artificial Neural Network. Materials, 2019, 12, 1752.	2.9	6
46	The effect of chrysinâ€“curcumin-loaded nanofibres on the wound-healing process in male rats. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1642-1652.	2.8	49
47	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
48	Catalytic Growth of 1D ZnO Nanoneedles on Glass Substrates Through Vapor Transport. Journal of Electronic Materials, 2019, 48, 1660-1668.	2.2	7
49	NUMERICAL SIMULATION OF THE PARTIAL THERMAL ZONES INFLUENCE ON NATURAL CONVECTION HEAT TRANSFER INSIDE ENCLOSURE FILLED WITH NANOFLUIDS. JP Journal of Heat and Mass Transfer, 2019, 16, 149-166.	0.2	0
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	Numerical analysis of flow and heat transfer enhancement in a horizontal pipe with P-TT and V-Cut twisted tape. Case Studies in Thermal Engineering, 2018, 12, 749-758.	5.7	29
53	CHARACTERISTICS OF NATURAL CONVECTION FLOW AND HEAT TRANSFER OF PARALLELOGRAMIC ENCLOSURE WITH AN INNER CIRCULAR CYLINDER USING LIQUID NANOFLUIDS. Frontiers in Heat and Mass Transfer, 2018, 12, .	0.2	1
54	The effect of chrysinâ€loaded nanofiber on wound healing process in male rat. Chemical Biology and Drug Design, 2017, 90, 1106-1114.	3.2	18

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55	Enhancement aspects of single stage absorption cooling cycle: A detailed review. Renewable and Sustainable Energy Reviews, 2017, 77, 1010-1045.	16.4	43
56	A new optimization approach for shell and tube heat exchangers by using electromagnetism-like algorithm (EM). Heat and Mass Transfer, 2016, 52, 2621-2634.	2.1	9
57	Performance evaluation of combined ejector LiBr/H2O absorption cooling cycle. Case Studies in Thermal Engineering, 2016, 7, 25-35.	5.7	21
58	Design characteristics of corrugated trapezoidal plate heat exchangers using nanofluids. Chemical Engineering and Processing: Process Intensification, 2015, 87, 88-103.	3.6	74