

Ali A Rajhi

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

254
citations

933447

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996975

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all docs

32
docs citations

32
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	The capability of boron carbide nanotube as a nanocarrier for fluorouracil anticancer drug delivery; DFT study. <i>Materials Chemistry and Physics</i> , 2022, 275, 125260.	4.0	18
2	Synthesis of Ti ₃ SnC ₂ @Al ₂ O ₃ composite by mechanical alloying and subsequent heat treatment. <i>Ceramics International</i> , 2022, 48, 2415-2420.	4.8	1
3	Development and transient performance analysis of a decentralized grid-connected smart energy system based on hybrid solar-geothermal resources; Techno-economic evaluation. <i>Sustainable Cities and Society</i> , 2022, 76, 103425.	10.4	18
4	Enhanced microwave dissipation features of BiFe _{0.8} Co _{0.1} Mn _{0.1} O ₃ /MWCNTs composite decorated of polythiophene. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 545, 168724.	2.3	20
5	Investigating thiouracil adsorption by an iron-doped carbon particle: Analyzing structural, electronic, and QTAIM features. <i>Journal of Molecular Structure</i> , 2022, 1250, 131885.	3.6	1
6	Development of a combined system based on a PEMFC and hydrogen storage under different conditions equipped with an ejector cooling system. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26687-26700.	7.1	4
7	Boron-carbide nanosheets: Promising anodes for Ca-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 115929.	3.8	18
8	Converting a geothermal-driven steam flash cycle into a high-performance polygeneration system by waste heat recovery: 3E analysis and Genetic-Fgoalattain optimization. <i>Renewable Energy</i> , 2022, 186, 609-627.	8.9	17
9	Coronene surface for delivery of Favipiravir: Computational approach. <i>Inorganic Chemistry Communication</i> , 2022, 136, 109133.	3.9	3
10	In-situ synthesis of a novel ZnO/CuCo ₂ S ₄ p-n heterojunction photocatalyst with improved phenol and rhodamine B degradation performance and investigating the mechanism of charge carrier separation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113676.	3.9	9
11	Theoretical investigation of Br ₂ and Cl ₂ detection by the pristine and Co-doped graphyne. <i>Structural Chemistry</i> , 2022, 33, 539-546.	2.0	2
12	Investigating the spread of a disease on the prey and predator interactions through a nonsingular fractional model. <i>Results in Physics</i> , 2022, 32, 105084.	4.1	0
13	Density functional theory investigation to surface modification of boron nitride nanotubes. <i>Journal of Molecular Modeling</i> , 2022, 28, 50.	1.8	1
14	Comparison of 3D Printed Underwater Propeller Using Polymers and Conventionally Developed AA6061. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 5149-5158.	2.5	2
15	Combined heat and power system based on a proton conducting SOFC and a supercritical CO ₂ Brayton cycle triggered by biomass gasification. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5439-5452.	7.1	23
16	Thermo-economic investigation on the hydrogen production through the stored solar energy in a salinity gradient solar pond: A comparative study by employing APC and ORC with zeotropic mixture. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7600-7623.	7.1	6
17	Potential detection of C ₂ N ₂ gas by the pure, Al, and Cu-doped graphynes: a DFT study. <i>Molecular Simulation</i> , 2022, 48, 574-583.	2.0	1
18	ZnO nanotube semiconductor as a chemical sensor for Platinol anti-cancer drug. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	0

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19	Influence of Short Glass Fibre Reinforcement on Mechanical Properties of 3D Printed ABS-Based Polymer Composites. <i>Polymers</i> , 2022, 14, 1182.	4.5	17
20	Reduction and adsorption of hydrogen peroxide in the oxygen and beryllium vacancies of beryllium oxide nanotubes. <i>Pramana - Journal of Physics</i> , 2022, 96, .	1.5	1
21	Tunable microwave absorption and shielding effectiveness in the nanocomposite of 3D hierarchical flower-like Co ₃ O ₄ and rod-like polyindole. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 555, 169363.	2.3	17
22	Influence of Age and Harvesting Season on The Tensile Strength of Bamboo-Fibre-Reinforced Epoxy Composites. <i>Materials</i> , 2022, 15, 4144.	2.9	3
23	Mechanical Properties of Bambusa Oldhamii and Yushania-Alpina Bamboo Fibres Reinforced Polypropylene Composites. <i>Polymers</i> , 2022, 14, 2733.	4.5	2
24	Influence of Solid Lubricant Addition on Friction and Wear Response of 3D Printed Polymer Composites. <i>Polymers</i> , 2021, 13, 2905.	4.5	18
25	Parametric Analysis of Epoxy/Crumb Rubber Composite by Using Taguchiâ€™GRA Hybrid Technique. <i>Polymers</i> , 2021, 13, 3441.	4.5	9
26	New chitosan Schiff base and its nanocomposite: Removal of methyl green from aqueous solution and its antibacterial activities. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1-6.	7.5	17
27	Amino acid functionalized boron nitride nanotubes as an effective nanocarriers for Thiotepa anti-cancer drug delivery. <i>Journal of Molecular Liquids</i> , 2021, 344, 117967.	4.9	11
28	Some exact wave solutions to a variety of the Schrödinger equation with two nonlinearity laws and conformable derivative. <i>Results in Physics</i> , 2021, 31, 104929.	4.1	2
29	A novel piece-wise approach to modeling interactions in a food web model. <i>Results in Physics</i> , 2021, , 104951.	4.1	7
30	Classes of new analytical soliton solutions to some nonlinear evolution equations. <i>Results in Physics</i> , 2021, 31, 104947.	4.1	4
31	Extracting novel categories of analytical wave solutions to a nonlinear Schrödinger equation of unstable type. <i>Results in Physics</i> , 2021, 31, 105036.	4.1	2
32	Evolution detection of phenol by pristine BN nanocone: chemical quantum study. <i>Structural Chemistry</i> , 0, , 1.	2.0	0