

S Mohammed Sajadi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1573629/publications.pdf>

Version: 2024-02-01

184
papers

21,829
citations

20817

60
h-index

11308

136
g-index

195
all docs

195
docs citations

195
times ranked

18858
citing authors

#	ARTICLE	IF	CITATIONS
1	Global burden of 369 diseases and injuries in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1204-1222.	13.7	7,664
2	Global burden of 87 risk factors in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	13.7	3,928
3	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950â€“2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1160-1203.	13.7	890
4	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1135-1159.	13.7	335
5	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1250-1284.	13.7	330
6	Green synthesis of Pd/RGO/Fe ₃ O ₄ nanocomposite using <i>Withania coagulans</i> leaf extract and its application as magnetically separable and reusable catalyst for the reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 249-258.	9.4	234
7	Green synthesis of palladium nanoparticles using <i>Hippophae rhamnoides</i> Linn leaf extract and their catalytic activity for the Suzukiâ€“Miyaura coupling in water. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 297-303.	4.8	231
8	<i>Euphorbia heterophylla</i> leaf extract mediated green synthesis of Ag/TiO ₂ nanocomposite and investigation of its excellent catalytic activity for reduction of variety of dyes in water. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 272-279.	9.4	216
9	Green synthesis of copper nanoparticles using <i>Ginkgo biloba</i> L. leaf extract and their catalytic activity for the Huisgen [3 + 2] cycloaddition of azides and alkynes at room temperature. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 141-147.	9.4	208
10	Waste chicken eggshell as a natural valuable resource and environmentally benign support for biosynthesis of catalytically active Cu/eggshell, Fe ₃ O ₄ /eggshell and Cu/Fe ₃ O ₄ /eggshell nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 209-227.	20.2	182
11	Green synthesis of the copper nanoparticles supported on bentonite and investigation of its catalytic activity. <i>Journal of Cleaner Production</i> , 2017, 142, 3584-3591.	9.3	174
12	Green synthesis of the Pd nanoparticles supported on reduced graphene oxide using barberry fruit extract and its application as a recyclable and heterogeneous catalyst for the reduction of nitroarenes. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 360-368.	9.4	162
13	Green synthesis of copper nanoparticles using aqueous extract of the leaves of <i>Euphorbia esula</i> L and their catalytic activity for ligand-free Ullmann-coupling reaction and reduction of 4-nitrophenol. <i>RSC Advances</i> , 2014, 4, 47313-47318.	3.6	159
14	Green synthesis of Pd/Fe ₃ O ₄ nanoparticles using <i>Euphorbia condylocarpa</i> M. bieb root extract and their catalytic applications as magnetically recoverable and stable recyclable catalysts for the phosphine-free Sonogashira and Suzuki coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 31-39.	4.8	154
15	Green synthesis of CuO nanoparticles using aqueous extract of <i>Thymus vulgaris</i> L. leaves and their catalytic performance for N-arylation of indoles and amines. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 113-119.	9.4	142
16	Green synthesis of Pd/CuO nanoparticles by <i>Theobroma cacao</i> L. seeds extract and their catalytic performance for the reduction of 4-nitrophenol and phosphine-free Heck coupling reaction under aerobic conditions. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 106-113.	9.4	139
17	Green synthesis of the Cu/Fe ₃ O ₄ nanoparticles using <i>Morinda morindoides</i> leaf aqueous extract: A highly efficient magnetically separable catalyst for the reduction of organic dyes in aqueous medium at room temperature. <i>Applied Surface Science</i> , 2016, 364, 636-644.	6.1	139
18	<i>Cuscuta reflexa</i> leaf extract mediated green synthesis of the Cu nanoparticles on graphene oxide/manganese dioxide nanocomposite and its catalytic activity toward reduction of nitroarenes and organic dyes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 86, 158-173.	5.3	138

#	ARTICLE	IF	CITATIONS
19	Green synthesis of CuO nanoparticles by aqueous extract of <i>Gundelia tournefortii</i> and evaluation of their catalytic activity for the synthesis of N -monosubstituted ureas and reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 245-253.	9.4	137
20	Immobilization of copper nanoparticles on perlite: Green synthesis, characterization and catalytic activity on aqueous reduction of 4-nitrophenol. <i>Journal of Molecular Catalysis A</i> , 2015, 400, 22-30.	4.8	130
21	Biosynthesis of the palladium/sodium borosilicate nanocomposite using <i>Euphorbia milii</i> extract and evaluation of its catalytic activity in the reduction of chromium(VI), nitro compounds and organic dyes. <i>Materials Research Bulletin</i> , 2018, 102, 24-35.	5.2	129
22	An Introduction to Nanotechnology. <i>Interface Science and Technology</i> , 2019, 28, 1-27.	3.3	128
23	Barberry fruit extract assisted in situ green synthesis of Cu nanoparticles supported on a reduced graphene oxide-Fe ₃ O ₄ nanocomposite as a magnetically separable and reusable catalyst for the O-arylation of phenols with aryl halides under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 64769-64780.	3.6	121
24	Biosynthesis of Ag/reduced graphene oxide/Fe ₃ O ₄ using <i>Lotus garcinii</i> leaf extract and its application as a recyclable nanocatalyst for the reduction of 4-nitrophenol and organic dyes. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 33-42.	9.4	120
25	Green synthesis of CuO nanoparticles by aqueous extract of <i>Anthemis nobilis</i> flowers and their catalytic activity for the A ₃ coupling reaction. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 183-188.	9.4	116
26	Aqueous extract from seeds of <i>Silybum marianum</i> L. as a green material for preparation of the Cu/Fe ₃ O ₄ nanoparticles: A magnetically recoverable and reusable catalyst for the reduction of nitroarenes. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 93-98.	9.4	114
27	Green synthesis of a Cu/reduced graphene oxide/Fe ₃ O ₄ nanocomposite using <i>Euphorbia wallichii</i> leaf extract and its application as a recyclable and heterogeneous catalyst for the reduction of 4-nitrophenol and rhodamine B. <i>RSC Advances</i> , 2015, 5, 91532-91543.	3.6	112
28	Green Nanotechnology. <i>Interface Science and Technology</i> , 2019, 28, 145-198.	3.3	111
29	Pd nanoparticles synthesized in situ with the use of <i>Euphorbia granulate</i> leaf extract: Catalytic properties of the resulting particles. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 243-251.	9.4	110
30	Green synthesis of Ag/Fe ₃ O ₄ nanocomposite using <i>Euphorbia peplus</i> Linn leaf extract and evaluation of its catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 1-13.	9.4	110
31	Biosynthesis, characterization and catalytic activity of an Ag/zeolite nanocomposite for base- and ligand-free oxidative hydroxylation of phenylboronic acid and reduction of a variety of dyes at room temperature. <i>New Journal of Chemistry</i> , 2016, 40, 2501-2513.	2.8	108
32	Biosynthesis of copper nanoparticles supported on manganese dioxide nanoparticles using <i>Centella asiatica</i> L. leaf extract for the efficient catalytic reduction of organic dyes and nitroarenes. <i>Chinese Journal of Catalysis</i> , 2018, 39, 109-117.	14.0	108
33	<i>Tamarix gallica</i> leaf extract mediated novel route for green synthesis of CuO nanoparticles and their application for N-arylation of nitrogen-containing heterocycles under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 40628-40635.	3.6	107
34	Green synthesis of a Cu/MgO nanocomposite by <i>Cassia filiformis</i> L. extract and investigation of its catalytic activity in the reduction of methylene blue, congo red and nitro compounds in aqueous media. <i>RSC Advances</i> , 2018, 8, 3723-3735.	3.6	107
35	Synthesis and characterization of titanium dioxide nanoparticles using <i>Euphorbia heteradena</i> Jaub root extract and evaluation of their stability. <i>Ceramics International</i> , 2015, 41, 14435-14439.	4.8	105
36	Preparation of the Ag/RGO nanocomposite by use of <i>Abutilon hirtum</i> leaf extract: A recoverable catalyst for the reduction of organic dyes in aqueous medium at room temperature. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21236-21245.	7.1	103

#	ARTICLE	IF	CITATIONS
37	Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. <i>Injury Prevention</i> , 2020, 26, i96-i114.	2.4	103
38	Preparation of palladium nanoparticles using <i>Euphorbia thymifolia</i> L. leaf extract and evaluation of catalytic activity in the ligand-free Stille and Miyaura cross-coupling reactions in water. <i>New Journal of Chemistry</i> , 2015, 39, 4745-4752.	2.8	101
39	Green synthesis, characterization and catalytic activity of the Pd/TiO ₂ nanoparticles for the ligand-free Suzuki-Miyaura coupling reaction. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 121-127.	9.4	101
40	The global distribution of lymphatic filariasis, 2000-18: a geospatial analysis. <i>The Lancet Global Health</i> , 2020, 8, e1186-e1194.	6.3	98
41	Green synthesis of the Cu/sodium borosilicate nanocomposite and investigation of its catalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 763, 1024-1034.	5.5	97
42	Green synthesis of Pd/Fe ₃ O ₄ nanocomposite using <i>Hibiscus tiliaceus</i> L. extract and its application for reductive catalysis of Cr(VI) and nitro compounds. <i>Separation and Purification Technology</i> , 2018, 197, 253-260.	7.9	96
43	Journey on greener pathways: use of <i>Euphorbia condylocarpa</i> M. bieb as reductant and stabilizer for green synthesis of Au/Pd bimetallic nanoparticles as reusable catalysts in the Suzuki and Heck coupling reactions in water. <i>RSC Advances</i> , 2014, 4, 43477-43484.	3.6	94
44	Preparation of Au nanoparticles by <i>Anthemis xylophora</i> flowers aqueous extract and their application for alkyne/aldehyde/amine A ³ -type coupling reactions. <i>RSC Advances</i> , 2015, 5, 46240-46246.	3.6	94
45	Green synthesis of copper nanoparticles using <i>Plantago asiatica</i> leaf extract and their application for the cyanation of aldehydes using K ₄ Fe(CN) ₆ . <i>Journal of Colloid and Interface Science</i> , 2017, 506, 471-477.	9.4	94
46	Plant-Mediated Green Synthesis of Nanostructures: Mechanisms, Characterization, and Applications. <i>Interface Science and Technology</i> , 2019, 28, 199-322.	3.3	94
47	Green synthesis of Pd nanoparticles mediated by <i>Euphorbia thymifolia</i> L. leaf extract: Catalytic activity for cyanation of aryl iodides under ligand-free conditions. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 191-195.	9.4	93
48	<i>Euphorbia helioscopia</i> Linn as a green source for synthesis of silver nanoparticles and their optical and catalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 374-380.	9.4	92
49	Recent Progress in Application of Graphene Supported Metal Nanoparticles in C-C and C-X Coupling Reactions. <i>Chemical Record</i> , 2018, 18, 165-229.	5.8	92
50	Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17. <i>The Lancet Global Health</i> , 2020, 8, e1162-e1185.	6.3	91
51	Preparation of Pd/Fe ₃ O ₄ nanoparticles by use of <i>Euphorbia stracheyi</i> Boiss root extract: A magnetically recoverable catalyst for one-pot reductive amination of aldehydes at room temperature. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 147-152.	9.4	87
52	Biosynthesis, characterization and catalytic activity of Cu/RGO/Fe ₃ O ₄ for direct cyanation of aldehydes with K ₄ [Fe(CN) ₆]. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 153-162.	9.4	81
53	Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration systems. <i>BMC Medicine</i> , 2021, 19, 4.	5.5	78
54	CuO/TiO ₂ /PAM as a Novel Introduced Hybrid Agent for Water-Oil Interfacial Tension and Wettability Optimization in Chemical Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2019, 33, 10547-10560.	5.1	75

#	ARTICLE	IF	CITATIONS
55	Applications of Nanotechnology in Daily Life. <i>Interface Science and Technology</i> , 2019, , 113-143.	3.3	75
56	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. <i>Lancet</i> , The, 2020, 395, 1779-1801.	13.7	72
57	Mapping routine measles vaccination in low- and middle-income countries. <i>Nature</i> , 2021, 589, 415-419.	27.8	71
58	Facile and surfactant-free synthesis of Pd nanoparticles by the extract of the fruits of <i>Piper longum</i> and their catalytic performance for the Sonogashira coupling reaction in water under ligand- and copper-free conditions. <i>RSC Advances</i> , 2015, 5, 2562-2567.	3.6	69
59	A Review on Recent Advances in the Application of Nanocatalysts in S_N3 Coupling Reactions. <i>Chemical Record</i> , 2018, 18, 1409-1473.	5.8	65
60	Experimental investigation of the effect of green TiO ₂ /Quartz nanocomposite on interfacial tension reduction, wettability alteration, and oil recovery improvement. <i>Fuel</i> , 2020, 263, 116599.	6.4	64
61	Impact of a novel biosynthesized nanocomposite (SiO ₂ @Montmorilant@Xanthan) on wettability shift and interfacial tension: Applications for enhanced oil recovery. <i>Fuel</i> , 2021, 298, 120773.	6.4	64
62	Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. <i>Nature Medicine</i> , 2021, 27, 1761-1782.	30.7	60
63	Types of Nanostructures. <i>Interface Science and Technology</i> , 2019, 28, 29-80.	3.3	59
64	<i>Anthemis xylopada</i> flowers aqueous extract assisted in situ green synthesis of Cu nanoparticles supported on natural Natrolite zeolite for N -formylation of amines at room temperature under environmentally benign reaction conditions. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 146-153.	9.4	58
65	Green synthesis of Cu/Al ₂ O ₃ nanoparticles as efficient and recyclable catalyst for reduction of 2,4-dinitrophenylhydrazine, Methylene blue and Congo red. <i>Composites Part B: Engineering</i> , 2019, 166, 112-119.	12.0	54
66	Recent Advances in the Application of Heterogeneous Nanocatalysts for Sonogashira Coupling Reactions. <i>Current Organic Chemistry</i> , 2017, 21, 708-749.	1.6	52
67	Recent Developments in the Biosynthesis of Cu-Based Recyclable Nanocatalysts Using Plant Extracts and their Application in the Chemical Reactions. <i>Chemical Record</i> , 2019, 19, 601-643.	5.8	51
68	Green synthesis, optical properties and catalytic activity of silver nanoparticles in the synthesis of N-monosubstituted ureas in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 423-429.	3.9	48
69	Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. <i>Nature Medicine</i> , 2020, 26, 750-759.	30.7	47
70	Smart- and nano-hybrid chemical EOR flooding using Fe ₃ O ₄ /eggshell nanocomposites. <i>Journal of Molecular Liquids</i> , 2020, 316, 113880.	4.9	46
71	Natrolite zeolite supported copper nanoparticles as an efficient heterogeneous catalyst for the 1,3-dipolar cycloaddition and cyanation of aryl iodides under ligand-free conditions. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 237-243.	9.4	44
72	Green synthesis of the Pd/perlite nanocomposite using <i>Euphorbia neriifolia</i> L. leaf extract and evaluation of its catalytic activity. <i>Separation and Purification Technology</i> , 2017, 184, 298-307.	7.9	44

#	ARTICLE	IF	CITATIONS
73	In situ green synthesis of CuNi bimetallic nanoparticles supported on reduced graphene oxide as an effective and recyclable catalyst for the synthesis of N-benzyl-N-arylamino-1H-tetrazoles. Applied Organometallic Chemistry, 2019, 33, e4938.	3.5	44
74	Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. Injury Prevention, 2020, 26, i125-i153.	2.4	44
75	Facile synthesis of Ag/ZrO ₂ nanocomposite as a recyclable catalyst for the treatment of environmental pollutants. Composites Part B: Engineering, 2020, 185, 107783.	12.0	42
76	An efficient one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles at room temperature by green synthesized Cu NPs using <i>Otostegia persica</i> leaf extract. Journal of Colloid and Interface Science, 2016, 468, 156-162.	9.4	39
77	Biosynthesis, characterization and catalytic activity of the Pd/bentonite nanocomposite for base- and ligand-free oxidative hydroxylation of phenylboronic acid and reduction of chromium (VI) and nitro compounds. Microporous and Mesoporous Materials, 2018, 271, 128-137.	4.4	39
78	Fe ₃ O ₄ @SiO ₂ nanoparticle supported ionic liquid for green synthesis of antibacterially active 1-carbamoyl-1-phenylureas in water. RSC Advances, 2018, 8, 27631-27644.	3.6	39
79	Ultrasound-Promoted Regioselective Synthesis of 1-Aryl-5-amino-1H-tetrazoles. Synlett, 2012, 23, 2795-2798.	1.8	33
80	Oil recovery aspects of ZnO/SiO ₂ nano-clay in carbonate reservoir. Fuel, 2022, 307, 121927.	6.4	33
81	Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study. Lancet HIV, 2021, 8, e363-e375.	4.7	32
82	Green Synthesis of the Ag/Bentonite Nanocomposite Using <i>Euphorbia larica</i> Extract: A Reusable Catalyst for Efficient Reduction of Nitro Compounds and Organic Dyes. ChemistrySelect, 2018, 3, 12274-12280.	1.5	30
83	Biosynthesis and characterization of Ag/MgO nanocomposite and its catalytic performance in the rapid treatment of environmental contaminants. Ceramics International, 2020, 46, 2093-2101.	4.8	30
84	Optimal extraction method of phenolics from the root of <i>Euphorbia condylocarpa</i> . Chemistry of Natural Compounds, 2011, 47, 434-435.	0.8	29
85	In situ green synthesis of Cu nanoparticles supported on natural Natrolite zeolite for the reduction of 4-nitrophenol, congo red and methylene blue. IET Nanobiotechnology, 2017, 11, 538-545.	3.8	29
86	An Efficient Method for N-Formylation of Amines Using Natural HEU Zeolite at Room Temperature Under Solvent-Free Conditions. Bulletin of the Korean Chemical Society, 2012, 33, 2251-2254.	1.9	29
87	Natural iron ore as a novel substrate for the biosynthesis of bioactive-stable ZnO@CuO@iron ore NCs: a magnetically recyclable and reusable superior nanocatalyst for the degradation of organic dyes, reduction of Cr(VI) and adsorption of crude oil aromatic compounds, including PAHs. RSC Advances, 2018, 8, 35557-35570.	3.6	27
88	Synthesis, Characterization, and Assessment of a CeO ₂ @Nanoclay Nanocomposite for Enhanced Oil Recovery. Nanomaterials, 2020, 10, 2280.	4.1	27
89	Green products from herbal medicine wastes by subcritical water treatment. Journal of Hazardous Materials, 2022, 424, 127294.	12.4	26
90	Polydopamine Biomaterials for Skin Regeneration. ACS Biomaterials Science and Engineering, 2022, 8, 2196-2219.	5.2	26

#	ARTICLE	IF	CITATIONS
91	Cell-Seeded Biomaterial Scaffolds: The Urgent Need for Unanswered Accelerated Angiogenesis. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1035-1068.	6.7	25
92	Palladium nanoparticles supported on copper oxide as an efficient and recyclable catalyst for carbon(sp ²)–carbon(sp ²) cross-coupling reaction. <i>Materials Research Bulletin</i> , 2015, 68, 150-154.	5.2	24
93	Biological Sources Used in Green Nanotechnology. <i>Interface Science and Technology</i> , 2019, 28, 81-111.	3.3	24
94	Biologically active components in by-products of food processing. <i>Food Science and Nutrition</i> , 2020, 8, 3004-3022.	3.4	24
95	Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000–2018. <i>Nature Human Behaviour</i> , 2021, 5, 1027-1045.	12.0	24
96	Green synthesis of highly recyclable CuO/ eggshell nanocomposite to efficient removal of aromatic containing compounds and reduction of 4-nitrophenol at room temperature. <i>Surfaces and Interfaces</i> , 2018, 13, 205-215.	3.0	23
97	Green synthesis of the Ag/Al ₂ O ₃ nanoparticles using <i>Bryonia alba</i> leaf extract and their catalytic application for the degradation of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3847-3859.	2.2	23
98	Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17. <i>The Lancet Global Health</i> , 2020, 8, e1038-e1060.	6.3	23
99	Greenly Synthesized Magnetite@SiO ₂ @Xanthan Nanocomposites and Its Application in Enhanced Oil Recovery: IFT Reduction and Wettability Alteration. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7751-7761.	3.0	23
100	Effect of different pH values on growth solutions for the ZnO nanostructures. <i>Chinese Journal of Physics</i> , 2021, 71, 175-189.	3.9	23
101	Synergistic Effect of Nanoinhibitive Drilling Fluid on the Shale Swelling Performance at High Temperature and High Pressure. <i>Energy & Fuels</i> , 2022, 36, 1996-2006.	5.1	23
102	Efficient catalytic hydration of cyanamides in aqueous medium and in the presence of Naringin sulfuric acid or green synthesized silver nanoparticles by using <i>Gongronema latifolium</i> leaf extract. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 57-67.	9.4	22
103	Biosynthesis of the CuO nanoparticles using <i>Euphorbia Chamaesyce</i> leaf extract and investigation of their catalytic activity for the reduction of 4-nitrophenol. <i>IET Nanobiotechnology</i> , 2017, 11, 766-772.	3.8	22
104	Experimental analysis of hollow fiber membrane dehumidifier system with SiO ₂ /CaCl ₂ aqueous desiccant solution. <i>Energy Reports</i> , 2021, 7, 2821-2835.	5.1	22
105	Flat sheet direct contact membrane distillation study to decrease the energy demand for solar desalination purposes. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102100.	2.7	21
106	Theoretical Encapsulation of Fluorouracil (5-FU) Anti-Cancer Chemotherapy Drug into Carbon Nanotubes (CNT) and Boron Nitride Nanotubes (BNNT). <i>Molecules</i> , 2021, 26, 4920.	3.8	20
107	Effects of Al ₂ O ₃ and TiO ₂ nanoparticles in order to reduce the energy demand in the conventional buildings by integrating the solar collectors and phase change materials. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102114.	2.7	20
108	Hybrid Pd/Fe ₃ O ₄ nanowires: Fabrication, characterization, optical properties and application as magnetically reusable catalyst for the synthesis of N-monosubstituted ureas under ligand-free conditions. <i>Materials Research Bulletin</i> , 2014, 55, 168-175.	5.2	19

#	ARTICLE	IF	CITATIONS
109	Numerical study of mixed convection of nanofluid inside an inlet/outlet inclined cavity under the effect of Brownian motion using Lattice Boltzmann Method (LBM). <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105428.	5.6	18
110	Greener pathway toward the synthesis of lichen-based ZnO@TiO ₂ @SiO ₂ and Fe ₃ O ₄ @SiO ₂ nanocomposites and investigation of their biological activities. <i>Food Science and Nutrition</i> , 2020, 8, 4044-4054.	3.4	17
111	Effects of Brownian motions and thermophoresis diffusions on the hematocrit and LDL concentration/diameter of pulsatile non-Newtonian blood in abdominal aortic aneurysm. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 294, 104576.	2.4	17
112	An insight into thermal properties of BC3-graphene hetero-nanosheets: a molecular dynamics study. <i>Scientific Reports</i> , 2021, 11, 23064.	3.3	17
113	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering. <i>ACS Applied Bio Materials</i> , 2021, 4, 8110-8128.	4.6	17
114	Semi-Empirical Topological Method for Prediction of the Relative Retention Time of Polychlorinated Biphenyl Congeners on 18 Different HR GC Columns. <i>Chromatographia</i> , 2010, 72, 523-533.	1.3	16
115	An Eco-friendly N-formylation of Amines Using Nano Cerium Oxide as a Recyclable Catalyst Under Solvent-free and Ultrasound Irradiation Conditions at Room Temperature. <i>Letters in Organic Chemistry</i> , 2014, 11, 49-54.	0.5	16
116	Green synthesis of ZnO/SiO ₂ nanocomposite from pomegranate seed extract: coating by natural xanthan polymer and its characterisations. <i>Micro and Nano Letters</i> , 2019, 14, 638-641.	1.3	15
117	Thermal conductivity of random polycrystalline BC3 nanosheets: A step towards realistic simulation of 2D structures. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107977.	2.4	15
118	Green synthesise of CuO@Fe ₃ O ₄ @Xantan nanocomposites and its application in enhanced oil recovery by considering IFT and wettability behaviours. <i>Micro and Nano Letters</i> , 2020, 15, 550-555.	1.3	15
119	Effect of oxalic acid and sulphuric acid hydrolysis on the preparation and properties of pineapple pomace derived cellulose nanofibers and nanopapers. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1745-1759.	7.5	15
120	Pd Nanocatalyst Adorning Coral Reef Nanocomposite for the Synthesis of Nitriles: Utility of Cucurbita pepo Leaf Extract as a Stabilizing and Reducing Agent. <i>Nanomaterials</i> , 2019, 9, 565.	4.1	14
121	Applying molecular dynamics simulation to take the fracture fingerprint of polycrystalline SiC nanosheets. <i>Computational Materials Science</i> , 2021, 200, 110770.	3.0	14
122	Study of the effect of the aspect ratio of a cylindrical lithium-ion battery enclosure in an air-cooled thermal management system. <i>Journal of Energy Storage</i> , 2022, 45, 103684.	8.1	14
123	Green synthesis of Cu/zirconium silicate nanocomposite by using <i>Rubia tinctorum</i> leaf extract and its application in the preparation of <i>N</i> -benzyl- <i>N</i> -arylcyanamides. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4705.	3.5	13
124	Biosynthesis of Cu/ZrO ₂ nanocomposite using 7-hydroxy-4'-methoxy-isoflavon extracted from <i>Commelina diffusa</i> and evaluation of its catalytic activity. <i>Surfaces and Interfaces</i> , 2019, 15, 125-134.	3.0	13
125	A Review of the Methods of Modeling Multi-Phase Flows within Different Microchannels Shapes and Their Applications. <i>Micromachines</i> , 2021, 12, 1113.	2.9	13
126	Improve thermal performance of Simulated-Body-Fluid as a solution with an ion concentration close to human blood plasma, by additive Zinc Oxide and its composites: ZnO/Carbon Nanotube and ZnO/Hydroxyapatite. <i>Journal of Molecular Liquids</i> , 2021, 342, 117457.	4.9	13

#	ARTICLE	IF	CITATIONS
127	Phytosynthesis of Cu/rGO using <i>Euphorbia cheiradenia</i> Boiss extract and study of its ability in the reduction of organic dyes and 4-nitrophenol in aqueous medium. IET Nanobiotechnology, 2019, 13, 202-213.	3.8	12
128	Catalytic reduction of 2,4-dinitrophenylhydrazine by cuttlebone supported Pd NPs prepared using <i>Conium maculatum</i> leaf extract. IET Nanobiotechnology, 2018, 12, 217-222.	3.8	11
129	Biosynthesis of reusable and recyclable CuO@Magnetite@Hen Bone NCs and its antioxidant and antibacterial activities: a highly stable magnetically nanocatalyst for excellent reduction of organic dyes and adsorption of polycyclic aromatic hydrocarbons. IET Nanobiotechnology, 2019, 13, 124-133.	3.8	11
130	Improve the efficiency and heat transfer rate™ trend prediction of a flat-plate solar collector via a solar energy installation by examine the Titanium Dioxide/Silicon Dioxide-water nanofluid. Sustainable Energy Technologies and Assessments, 2021, 48, 101623.	2.7	11
131	Modification of rheological and filtration characteristics of water-based mud for drilling oil and gas wells using green SiO ₂ @ZnO@Xanthan nanocomposite. IET Nanobiotechnology, 2019, 13, 748-755.	3.8	11
132	Dynamics of Antimicrobial Peptide Encapsulation in Carbon Nanotubes: The Role of Hydroxylation. International Journal of Nanomedicine, 2022, Volume 17, 125-136.	6.7	11
133	Natrolite zeolite: A natural and reusable catalyst for one-pot synthesis of α -aminophosphonates under solvent-free conditions. Arabian Journal of Chemistry, 2017, 10, S700-S704.	4.9	10
134	Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning. PLoS Neglected Tropical Diseases, 2021, 15, e0008824.	3.0	10
135	New Oxazole Ligand for the Copper-catalyzed Cyanation of Aryl Halides with K ₄ [Fe(CN) ₆]. Letters in Organic Chemistry, 2014, 11, 136-140.	0.5	10
136	An Efficient Synthesis of Thiotetrazoles Using Fe₃O₄ Nanoparticles as a Magnetically Recoverable and Reusable Catalyst. Letters in Organic Chemistry, 2013, 10, 688-692.	0.5	10
137	The effect of sedimentation phenomenon of the additives silver nano particles on water pool boiling heat transfer coefficient: A comprehensive experimental study. Journal of Molecular Liquids, 2022, 345, 117891.	4.9	10
138	Role of solar radiation on the phase change material usefulness in the building applications. Journal of Energy Storage, 2022, 45, 103542.	8.1	10
139	Nano Cerium Oxide as a Recyclable Catalyst for the Synthesis of N-Monosubstituted Ureas with the Aid of Acetaldoxime as an effective Water Surrogate. Journal of Chemical Research, 2013, 37, 623-625.	1.3	9
140	K ₄ [Fe(CN) ₆] as Non-Toxic Source of Cyanide for the Cyanation of Aryl Halides using Pd-Beta Zeolite as a Heterogeneous Catalyst. Journal of Chemical Research, 2013, 37, 620-622.	1.3	9
141	Biosynthesis of Pd/MnO ₂ nanocomposite using <i>Solanum melongena</i> plant extract and its application for the one-pot synthesis of α -substituted 1H-tetrazoles from aryl halides. Applied Organometallic Chemistry, 2019, 33, e4698.	3.5	9
142	Cyanation of Aryl and Heteroaryl Aldehydes Using In-situ Synthesized Ag Nanoparticles in <i>Crocus sativus</i> L. Extract. ChemistrySelect, 2019, 4, 1127-1130.	1.5	9
143	A Computational Fluid Dynamic Study on Efficiency of a Wavy Microchannel/Heat Sink Containing Various Nanoparticles. Micromachines, 2021, 12, 1192.	2.9	9
144	Investigation of mixed convection of non-Newtonian fluid in the cooling process of lithium-ion battery with different outlet position. Journal of Energy Storage, 2021, 46, 103621.	8.1	9

#	ARTICLE	IF	CITATIONS
145	Aluminum(III) Hydrogensulfate: An Efficient Solid Acid Catalyst for the Preparation of 5-Substituted 1H-tetrazoles. <i>Synthetic Communications</i> , 2011, 41, 3053-3059.	2.1	8
146	Synthesis of 5-substituted 1H-tetrazoles Using Natural and Reusable Natrolite Zeolite. <i>Letters in Organic Chemistry</i> , 2014, 11, 35-39.	0.5	8
147	Bioactive metal oxide nanoparticles from some common fruit wastes and <i>Euphorbia condylocarpa</i> plant. <i>Food Science and Nutrition</i> , 2020, 8, 5521-5531.	3.4	8
148	MEL zeolite nanosheet membranes for water purification: insights from molecular dynamics simulations. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 291-305.	9.1	8
149	Applying Artificial Neural Network and Response Surface Method to Forecast the Rheological Behavior of Hybrid Nano-Antifreeze Containing Graphene Oxide and Copper Oxide Nanomaterials. <i>Sustainability</i> , 2021, 13, 11505.	3.2	8
150	The effect of using tubes filled with phase change materials in the air conditioning system of a residential building. <i>Journal of Building Engineering</i> , 2022, 49, 104079.	3.4	7
151	Developing a control program to reduce the energy consumption of nine cylindrical lithium-ion battery pack connected to a solar system by changing the distance between the batteries and the inlet and outlet of the air stream. <i>Journal of Energy Storage</i> , 2022, 49, 103997.	8.1	7
152	Improving the thermal-hydraulic performance of parabolic solar collectors using absorber tubes equipped with perforated twisted tape containing nanofluid. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102099.	2.7	7
153	The Molecular dynamics study of atomic Management and thermal behavior of Al-Water Nanofluid: A two phase unsteady simulation. <i>Journal of Molecular Liquids</i> , 2021, 340, 117286.	4.9	6
154	The investigation of Fe ₃ O ₄ atomic aggregation in a nanochannel in the presence of magnetic field: Effects of nanoparticles distance center of mass, temperature and total energy via molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2022, 348, 118400.	4.9	6
155	Risks of Nanotechnology to Human Life. <i>Interface Science and Technology</i> , 2019, , 323-336.	3.3	5
156	Synthesis and characterization of antibacterial magnetite-activated carbon nanoparticles. <i>Journal of Chemical Research</i> , 2020, 44, 80-87.	1.3	5
157	An Eco-friendly nanocatalyst for removal of some poisonous environmental pollutions and statistically evaluation of its performance. <i>Surfaces and Interfaces</i> , 2021, 23, 100908.	3.0	5
158	Convection heat transfer under the effect of uniform and periodic magnetic fields with uniform internal heat generation: a new comprehensive work to develop the ability of the multi relaxation time lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7883-7897.	3.6	5
159	Drug delivery systems based on renewable polymers: A conceptual short review. <i>Polymers From Renewable Resources</i> , 2022, 13, 44-54.	1.3	5
160	ANN usefulness in building enhanced with PCM: Efficacy of PCM installation location. <i>Journal of Building Engineering</i> , 2022, 57, 104914.	3.4	5
161	Basic Chemistry and Biomedical Significance of Nanomaterials. , 2019, , 31-70.		4
162	Improve the heat exchanger efficiency via examine the Graphene Oxide nanoparticles: a comprehensive study of the preparation and stability, predict the thermal conductivity and rheological properties, convection heat transfer and pressure drop. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	4

#	ARTICLE	IF	CITATIONS
163	Competition of ANN and RSM techniques in predicting the behavior of the CuO-liquid paraffin. <i>Chemical Engineering Communications</i> , 2023, 210, 880-892.	2.6	4
164	Numerical analysis of the effect of hot dent infusion jet on the fluid flow and heat transfer rate through the microchannel in the presence of external magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 8397-8409.	3.6	4
165	Simulation of Nanofluid Flow in a Micro-Heat Sink With Corrugated Walls Considering the Effect of Nanoparticle Diameter on Heat Sink Efficiency. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	4
166	Lattice Boltzmann method to study free convection and entropy generation of power-law fluids under influence of magnetic field and heat absorption/generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10569-10594.	3.6	4
167	Improve the rheological and thermal performances of the antifreeze liquids for cooling the batteries and radiators in automobiles via provide a new hybrid material composed from Carbon Nanotubes in Ethylene Glycol/Propylene Glycol. <i>Journal of Energy Storage</i> , 2022, 52, 104982.	8.1	4
168	Efficiency enhancement of a solar collector by examine Graphene-Silica/water mixture: A comprehensive study based on the empirical / numerical results. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101604.	2.7	3
169	Water molecules adsorption by a porous carbon matrix in the presence of NaCl impurities using molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , 2022, 347, 117998.	4.9	3
170	Rapid ecosynthesis of TiO ₂ @CuO@Chromite nanocatalyst for environmentally friendly applications: solventless cyanation of aldehydes and high efficient treatment of sewage waters. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	3
171	Solar radiation effect on PCM performance in the building applications: The collector energy-saving potential using CF-MWCNTs and CF-GNPs. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102063.	2.7	3
172	Transient heat transfer analysis of serially connected array of phase change material in the thermal battery units with Al ₂ O ₃ working Nano fluids. <i>Journal of Energy Storage</i> , 2022, 53, 105184.	8.1	3
173	Copper Complex-catalysed C-N Coupling Reaction of Aryl Iodides with Nitrogen-containing Heterocycles. <i>Journal of Chemical Research</i> , 2014, 38, 128-129.	1.3	2
174	Sensitivity of pin-fin configuration to pin diameter: heat transfer enhancement. <i>Chemical Engineering Communications</i> , 2023, 210, 655-669.	2.6	2
175	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of H ₂ O molecules via molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2021, 341, 117430.	4.9	2
176	Perfluorinated Resin-sulfonic Acid (Nafion-H): An Efficient, Environment Friendly and Recyclable Heterogeneous Catalyst for the One-pot Synthesis of 1,8-dioxo-octahydroxanthenes. <i>Letters in Organic Chemistry</i> , 2014, 11, 317-320.	0.5	2
177	Optimization of heat transfer in shell-and-tube heat exchangers using MOGA algorithm: adding nanofluid and changing the tube arrangement. <i>Chemical Engineering Communications</i> , 2023, 210, 893-907.	2.6	2
178	Molecular dynamics approach to study the effects of MgCl ₂ salt atomic ratio on the phase transition phenomenon in the phase change materials. <i>Journal of Energy Storage</i> , 2022, 46, 103860.	8.1	2
179	Effect of nanoparticles shape on turbulent nanofluids flow within a solar collector by using hexagonal cross-section tubes. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101843.	2.7	2
180	Focusing on summer setpoint temperature to intensify PCM effectiveness in building: energy saving in Jeddah climate. <i>Chemical Engineering Communications</i> , 2023, 210, 908-919.	2.6	1

#	ARTICLE	IF	CITATIONS
181	Magnetic ZnO@CuO@Iron ore nanocomposites as a green and highly efficient heterogeneous nanocatalyst for solventless synthesis of L±-aminophosphonates. Journal of Chemical Research, 2020, 44, 25-30.	1.3	0
182	Using neural network and RSM to evaluate improvement in thermal conductivity of nanodiamond-iron oxide/antifreeze. Chemical Engineering Communications, 0, , 1-11.	2.6	0
183	Simulation of Alumina/Water Nanofluid Flow in a Micro-Heatsink With Wavy Microchannels: Impact of Two-Phase and Single-Phase Nanofluid Models. Frontiers in Energy Research, 2021, 9, .	2.3	0
184	Correlations for Total Entropy Generation and Bejan Number for Free Convective Heat Transfer of an Eco-Friendly Nanofluid in a Rectangular Enclosure under Uniform Magnetic Field. Processes, 2021, 9, 1930.	2.8	0