

Yasin Orooji

List of Publications by Year in descending order

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128
papers

10,107
citations

36271

51
h-index

37183

96
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131
all docs

131
docs citations

131
times ranked

5595
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. <i>Journal of Cleaner Production</i> , 2021, 291, 125880.	4.6	373
2	Guanine-Based DNA Biosensor Amplified with Pt/SWCNTs Nanocomposite as Analytical Tool for Nanomolar Determination of Daunorubicin as an Anticancer Drug: A Docking/Experimental Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 816-823.	1.8	358
3	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113252.	5.3	343
4	Recent advances in removal techniques of Cr(VI) toxic ion from aqueous solution: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021, 329, 115062.	2.3	332
5	Tuning of metal oxides photocatalytic performance using Ag nanoparticles integration. <i>Journal of Molecular Liquids</i> , 2020, 314, 113588.	2.3	323
6	The role of magnetite/graphene oxide nano-composite as a high-efficiency adsorbent for removal of phenazopyridine residues from water samples, an experimental/theoretical investigation. <i>Journal of Molecular Liquids</i> , 2020, 298, 112040.	2.3	319
7	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell Co ₃ O ₄ @MOF-74 nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 174-185.	5.0	307
8	Cyanazine herbicide monitoring as a hazardous substance by a DNA nanostructure biosensor. <i>Journal of Hazardous Materials</i> , 2022, 423, 127058.	6.5	294
9	Hierarchically structured ternary heterojunctions based on Ce ³⁺ /Ce ⁴⁺ modified Fe ₃ O ₄ nanoparticles anchored onto graphene oxide sheets as magnetic visible-light-active photocatalysts for decontamination of oxytetracycline. <i>Journal of Hazardous Materials</i> , 2019, 376, 200-211.	6.5	284
10	Facile fabrication of silver iodide/graphitic carbon nitride nanocomposites by notable photo-catalytic performance through sunlight and antimicrobial activity. <i>Journal of Hazardous Materials</i> , 2020, 389, 122079.	6.5	268
11	A new nickel-based co-crystal complex electrocatalyst amplified by NiO dope Pt nanostructure hybrid; a highly sensitive approach for determination of cysteamine in the presence of serotonin. <i>Scientific Reports</i> , 2020, 10, 11699.	1.6	250
12	An amplified voltammetric sensor based on platinum nanoparticle/polyoxometalate/two-dimensional hexagonal boron nitride nanosheets composite and ionic liquid for determination of N-hydroxysuccinimide in water samples. <i>Journal of Molecular Liquids</i> , 2020, 310, 113185.	2.3	248
13	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022, 287, 132369.	4.2	246
14	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , 2021, 195, 110809.	3.7	234
15	Design and applications of MEMS flow sensors: A review. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 483-502.	2.0	233
16	Sonocatalytic activity of biochar-supported ZnO nanorods in degradation of gemifloxacin: Synergy study, effect of parameters and phytotoxicity evaluation. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 44-56.	3.8	183
17	Heterogeneous UV-Switchable Au nanoparticles decorated tungstophosphoric acid/TiO ₂ for efficient photocatalytic degradation process. <i>Chemosphere</i> , 2021, 281, 130795.	4.2	178
18	A review on the applications of ultrasonic technology in membrane bioreactors. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104633.	3.8	176

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19	In-situ electro-generation and activation of hydrogen peroxide using a CuFeNLDH-CNTs modified graphite cathode for degradation of cefazolin. <i>Journal of Environmental Management</i> , 2020, 267, 110629.	3.8	166
20	Preparation of mullite-TiB ₂ -CNTs hybrid composite through spark plasma sintering. <i>Ceramics International</i> , 2019, 45, 16288-16296.	2.3	160
21	Lithium ion-selective membrane with 2D subnanometer channels. <i>Water Research</i> , 2019, 159, 313-323.	5.3	159
22	An Overview on SARS-CoV-2 (COVID-19) and Other Human Coronaviruses and Their Detection Capability via Amplification Assay, Chemical Sensing, Biosensing, Immunosensing, and Clinical Assays. <i>Nano-Micro Letters</i> , 2021, 13, 18.	14.4	157
23	Mechanical Synthesis of COF Nanosheet Cluster and Its Mixed Matrix Membrane for Efficient CO ₂ Removal. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29093-29100.	4.0	152
24	Biodegradable polymers and their nano-composites for the removal of endocrine-disrupting chemicals (EDCs) from wastewater: A review. <i>Environmental Research</i> , 2021, 202, 111694.	3.7	152
25	Co-reinforcing of mullite-TiN-CNT composites with ZrB ₂ and TiB ₂ compounds. <i>Ceramics International</i> , 2019, 45, 20844-20854.	2.3	148
26	Effects of ZrB ₂ reinforcement on microstructure and mechanical properties of a spark plasma sintered mullite-CNT composite. <i>Ceramics International</i> , 2019, 45, 16015-16021.	2.3	143
27	Gd ₂ ZnMnO ₆ /ZnO nanocomposites: Green sol-gel auto-combustion synthesis, characterization and photocatalytic degradation of different dye pollutants in water. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155240.	2.8	135
28	Cerium doped magnetite nanoparticles for highly sensitive detection of metronidazole via chemiluminescence assay. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118272.	2.0	135
29	Green synthesis using cherry and orange juice and characterization of TbFeO ₃ ceramic nanostructures and their application as photocatalysts under UV light for removal of organic dyes in water. <i>Journal of Cleaner Production</i> , 2020, 252, 119765.	4.6	132
30	Nanostructured mesoporous carbon polyethersulfone composite ultrafiltration membrane with significantly low protein adsorption and bacterial adhesion. <i>Carbon</i> , 2017, 111, 689-704.	5.4	122
31	Development of MoS ₂ /O-MWCNTs/PES blended membrane for efficient removal of dyes, antibiotic, and protein. <i>Separation and Purification Technology</i> , 2022, 280, 119822.	3.9	122
32	Vanadium (V)-doped ZnFe layered double hydroxide for enhanced sonocatalytic degradation of pymetrozine. <i>Chemical Engineering Journal</i> , 2022, 434, 134730.	6.6	111
33	An electrochemical strategy for toxic ractopamine sensing in pork samples; twofold amplified nano-based structure analytical tool. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 4098-4104.	1.6	101
34	High performance of screen-printed graphite electrode modified with Ni@Mo-MOF for voltammetric determination of amaranth. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 4617-4622.	1.6	99
35	Nanomaterials modified electrodes for electrochemical detection of Sudan I in food. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3837-3852.	1.6	95
36	Utilization of a double-cross-linked amino-functionalized three-dimensional graphene networks as a monolithic adsorbent for methyl orange removal: Equilibrium, kinetics, thermodynamics and artificial neural network modeling. <i>Environmental Research</i> , 2022, 207, 112156.	3.7	90

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37	Mesoporous Fe ₃ O ₄ @SiO ₂ -hydroxyapatite nanocomposite: Green sonochemical synthesis using strawberry fruit extract as a capping agent, characterization and their application in sulfasalazine delivery and cytotoxicity. <i>Journal of Hazardous Materials</i> , 2020, 400, 123140.	6.5	84
38	A Chemiluminescent Method for the Detection of H ₂ O ₂ and Glucose Based on Intrinsic Peroxidase-Like Activity of WS ₂ Quantum Dots. <i>Molecules</i> , 2019, 24, 689.	1.7	81
39	Systematic activation of potassium peroxydisulfate with ZIF-8 via sono-assisted catalytic process: Mechanism and ecotoxicological analysis. <i>Journal of Molecular Liquids</i> , 2020, 308, 113018.	2.3	81
40	Sonophotocatalytic activities of FeCuMg and CrCuMg LDHs: Influencing factors, antibacterial effects, and intermediate determination. <i>Journal of Hazardous Materials</i> , 2020, 399, 123062.	6.5	80
41	Identification of heavy metal ions from aqueous environment through gold, Silver and Copper Nanoparticles: An excellent colorimetric approach. <i>Environmental Research</i> , 2022, 205, 112475.	3.7	79
42	Hydrogen production through methane reforming processes using promoted-Ni/mesoporous silica: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 107, 20-30.	2.9	79
43	Recent advances in the highly sensitive determination of zearalenone residues in water and environmental resources with electrochemical biosensors. <i>Environmental Research</i> , 2022, 204, 112082.	3.7	77
44	Recent advances in nanomaterial development for lithium ion-sieving technologies. <i>Desalination</i> , 2022, 529, 115624.	4.0	77
45	Facile synthesis of yttria-promoted nickel catalysts supported on MgO-MCM-41 for syngas production from greenhouse gases. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110130.	8.2	75
46	Valorisation of nuts biowaste: Prospects in sustainable bio(nano)catalysts and environmental applications. <i>Journal of Cleaner Production</i> , 2022, 347, 131220.	4.6	71
47	Polysaccharide-based (nano)materials for Cr(VI) removal. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 950-973.	3.6	63
48	ANOVA Design for the Optimization of TiO ₂ Coating on Polyether Sulfone Membranes. <i>Molecules</i> , 2019, 24, 2924.	1.7	62
49	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3719.	1.8	61
50	Excellent Biofouling Alleviation of Thermoexfoliated Vermiculite Blended Poly(ether sulfone) Ultrafiltration Membrane. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30024-30034.	4.0	60
51	MOF-based sensor platforms for rapid detection of pesticides to maintain food quality and safety. <i>Food and Chemical Toxicology</i> , 2022, 165, 113176.	1.8	60
52	An electrochemical sensor for detection of trace-level endocrine disruptor bisphenol A using Mo ₂ Ti ₂ AlC ₃ MAX phase/MWCNT composite modified electrode. <i>Environmental Research</i> , 2022, 212, 113071.	3.7	55
53	Samarium-impregnated nickel catalysts over SBA-15 in steam reforming of CH ₄ process. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 86, 73-80.	2.9	49
54	Layer double hydroxides (LDHs)- based electrochemical and optical sensing assessments for quantification and identification of heavy metals in water and environment samples: A review of status and prospects. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 31, e00139.	5.3	49

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55	Production of V2C MXene using a repetitive pattern of V2AlC MAX phase through microwave heating of Al-V2O5-C system. <i>Applied Surface Science</i> , 2021, 542, 148538.	3.1	48
56	Preparation of anti-adhesion and bacterial destructive polymeric ultrafiltration membranes using modified mesoporous carbon. <i>Separation and Purification Technology</i> , 2018, 205, 273-283.	3.9	46
57	Patulin and Trichothecene: characteristics, occurrence, toxic effects and detection capabilities via clinical, analytical and nanostructured electrochemical sensing/biosensing assays in foodstuffs. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5540-5568.	5.4	45
58	Graphene-based ZnCr layered double hydroxide nanocomposites as bactericidal agents with high sonophotocatalytic performances for degradation of rifampicin. <i>Chemosphere</i> , 2022, 286, 131740.	4.2	44
59	Synergistic effect of freeze-drying and promoters on the catalytic performance of Ni/MgAl layered double hydroxide. <i>Fuel</i> , 2022, 311, 122620.	3.4	44
60	Effect of chemistry and geometry of GO nanochannels on the Li ion selectivity and recovery. <i>Desalination</i> , 2020, 496, 114729.	4.0	42
61	A miniaturized piezoresistive flow sensor for real-time monitoring of intravenous infusion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 568-576.	1.6	41
62	Scalable fabrication of tunable titanium nanotubes via sonoelectrochemical process for biomedical applications. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104783.	3.8	38
63	The effect of D-spacing on the ion selectivity performance of MXene membrane. <i>Journal of Membrane Science</i> , 2021, 639, 119752.	4.1	38
64	Thermal-hydraulic analysis for alumina/water nanofluid inside a mini-channel heat sink with latent heat cooling ceiling-An experimental study. <i>International Communications in Heat and Mass Transfer</i> , 2020, 112, 104477.	2.9	37
65	Promoted nickel-based catalysts on modified mesoporous silica support: The role of yttria and magnesia on CO2 methanation. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110455.	2.2	37
66	Machine Learning for Advanced Design of Nanocomposite Ultrafiltration Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5236-5250.	1.8	36
67	Effective parameters on the performance of ground heat exchangers: A review of latest advances. <i>Geothermics</i> , 2022, 98, 102283.	1.5	36
68	Recent signs of progress in polymer-supported silver complexes/nanoparticles for remediation of environmental pollutants. <i>Journal of Molecular Liquids</i> , 2021, 329, 115583.	2.3	35
69	Laser Ablation-Assisted Synthesis of Poly (Vinylidene Fluoride)/Au Nanocomposites: Crystalline Phase and Micromechanical Finite Element Analysis. <i>Polymers</i> , 2020, 12, 2630.	2.0	34
70	Lignin valorization: Facile synthesis, characterization and catalytic activity of multiwalled carbon nanotubes/kraft lignin/Pd nanocomposite for environmental remediation. <i>Separation and Purification Technology</i> , 2022, 290, 120793.	3.9	34
71	An investigation into the microstructure and mechanical properties of V2AlC MAX phase prepared by microwave sintering. <i>Journal of Alloys and Compounds</i> , 2019, 795, 291-303.	2.8	33
72	Ultrasound-assisted catalytic activation of peroxydisulfate on Ti3GeC2 MAX phase for efficient removal of hazardous pollutants. <i>Materials Today Chemistry</i> , 2022, 24, 100818.	1.7	32

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73	Preparation of Au nanoparticles by Q switched laser ablation and their application in 4-nitrophenol reduction. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1715-1724.	2.1	30
74	Carbonaceous materials for removal and recovery of phosphate species: Limitations, successes and future improvement. <i>Chemosphere</i> , 2022, 287, 132177.	4.2	30
75	A new electrochemical method for the detection of quercetin in onion, honey and green tea using Co ₃ O ₄ modified GCE. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3720-3730.	1.6	29
76	Nickel-based nanocatalysts promoted over MgO-modified SBA-16 for dry reforming of methane for syngas production: Impact of support and promoters. <i>Journal of the Energy Institute</i> , 2021, 97, 100-108.	2.7	29
77	Developing a simple boxâ€œbehnken experimental design on the removal of doxorubicin anticancer drug using Fe ₃ O ₄ /graphene nanoribbons adsorbent. <i>Environmental Research</i> , 2021, 200, 111522.	3.7	29
78	Optical properties and thermal stability evaluation of solar absorbers enhanced by nanostructured selective coating films. <i>Powder Technology</i> , 2021, 377, 939-957.	2.1	28
79	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. <i>Chemosphere</i> , 2021, 267, 128871.	4.2	26
80	Taguchi design for optimization of structural and mechanical properties of hydroxyapatite-alumina-titanium nanocomposite. <i>Ceramics International</i> , 2019, 45, 10097-10105.	2.3	25
81	Comparative study of modified Ni catalysts over mesoporous CaO-Al ₂ O ₃ support for CO ₂ /methane reforming. <i>Catalysis Communications</i> , 2020, 145, 106100.	1.6	25
82	Lignosulfonate valorization into a Cu-containing magnetically recyclable photocatalyst for treating wastewater pollutants in aqueous media. <i>Chemosphere</i> , 2022, 305, 135180.	4.2	25
83	Laser-assisted preparation of C ₃ N ₄ /Fe ₂ O ₃ /Au nanocomposite: a magnetic reusable catalyst for pollutant degradation. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 1797-1806.	2.1	24
84	Effects of 211 and 413 ordering on the corrosion behavior of V-Al-C MAX phases prepared by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4774-4787.	2.8	24
85	Polymer supported copper complexes/nanoparticles for treatment of environmental contaminants. <i>Journal of Molecular Liquids</i> , 2021, 330, 115668.	2.3	23
86	Ultrasensitive electrochemical sensor for detection of rutin antioxidant by layered Ti ₃ Al _{0.5} Cu _{0.5} C ₂ MAX phase. <i>Food and Chemical Toxicology</i> , 2022, 164, 113016.	1.8	23
87	Synergistic catalytic hydrogenation of furfural to 1,2-pentanediol and 1,5-pentanediol with LDO derived from CuMgAl hydrotalcite. <i>Molecular Catalysis</i> , 2021, 499, 111298.	1.0	22
88	The effects of metallic additives on the microstructure and mechanical properties of WC-Co cermets prepared by microwave sintering. <i>Ceramics International</i> , 2020, 46, 29199-29206.	2.3	21
89	Novel magnetic lignosulfonate-supported Pd complex as an efficient nanocatalyst for N-arylation of 4-methylbenzenesulfonamide. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 564-573.	3.6	21
90	Enhanced optical properties and photodetection behavior of ZnS thin film deposited by electron beam evaporation upon doping with europium oxide. <i>Ceramics International</i> , 2020, 46, 28382-28389.	2.3	20

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91	Ultrafast and stable planar photodetector based on SnS ₂ nanosheets/perovskite structure. Scientific Reports, 2021, 11, 19353.	1.6	19
92	Preparation of magnetic chitosan-supported palladium-5-amino-1H-tetrazole complex as a magnetically recyclable catalyst for Suzuki-Miyaura coupling reaction in green media. Journal of Molecular Structure, 2021, 1244, 130873.	1.8	19
93	Polystyrene immobilized Brønsted acid ionic liquid as an efficient and recyclable catalyst for the synthesis of 5-hydroxymethylfurfural from fructose. Journal of Molecular Liquids, 2022, 345, 117811.	2.3	19
94	Toxicity of Zn-Fe Layered Double Hydroxide to Different Organisms in the Aquatic Environment. Molecules, 2021, 26, 395.	1.7	18
95	Anti-coking freeze-dried NiMgAl catalysts for dry and steam reforming of methane. Journal of Industrial and Engineering Chemistry, 2021, 103, 187-194.	2.9	18
96	Development of Metal Matrix Composites and Nanocomposites Via Double-Pressing Double-Sintering (DPDS) Method. Materials Today Communications, 2020, 25, 101245.	0.9	18
97	Large Optical Nonlinearity of the Activated Carbon Nanoparticles Prepared by Laser Ablation. Nanomaterials, 2021, 11, 737.	1.9	17
98	In situ simultaneous chemical activation and exfoliation of carbon quantum dots for atmospheric adsorption of H ₂ S and CO ₂ at room temperature. Applied Surface Science, 2021, 559, 149892.	3.1	17
99	Study of the potential effect of spark plasma sintering on the preparation of complex FGM/laminated WC-based cermet. International Journal of Refractory Metals and Hard Materials, 2020, 92, 105328.	1.7	16
100	Characterization of mullite-Nd ₂ O ₃ composite prepared through spark plasma sintering. Ceramics International, 2021, 47, 16200-16207.	2.3	16
101	Investigation on in-situ formed Al ₃ V-Al-VC nano composite through conventional, microwave and spark plasma sintering. Heliyon, 2019, 5, e01754.	1.4	15
102	Efficient Sorbitol Producing Process through Glucose Hydrogenation Catalyzed by Ru Supported Amino Poly (Styrene-co-Maleic) Polymer (ASMA) Encapsulated on γ -Al ₂ O ₃ . Catalysts, 2020, 10, 1068.	1.6	15
103	Axial chiral binaphthalene-diketopyrrolopyrrole dyads as efficient far-red to near-infrared circularly polarized luminescent emitters. Dyes and Pigments, 2020, 173, 107998.	2.0	14
104	Bioethanol production from pomegranate peel by simultaneous saccharification and fermentation process. Biomass Conversion and Biorefinery, 0, , 1.	2.9	14
105	Comparative study of sonocatalytic process using MOF-5 and peroxydisulfate by central composite design and artificial neural network. Journal of Molecular Liquids, 2020, 316, 113801.	2.3	12
106	Applying Membrane Distillation for the Recovery of Nitrate from Saline Water Using PVDF Membranes Modified as Superhydrophobic Membranes. Polymers, 2020, 12, 2774.	2.0	12
107	A combination of hydrothermal, intercalation and electrochemical methods for the preparation of high-quality graphene: Characterization and using to prepare graphene-polyurethane nanocomposite. Journal of Alloys and Compounds, 2020, 848, 156495.	2.8	12
108	Effects of vanadium and titanium addition on the densification, microstructure and mechanical properties of WC-Co cermets. Ceramics International, 2021, 47, 14270-14279.	2.3	12

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109	Numerical and experimental investigation of natural gas injection effects on NO _x reburning at the rotary cement kiln exhaust. <i>Chemical Engineering Research and Design</i> , 2021, 151, 290-298.	2.7	12
110	Chromium carbide, carbon nano tubes and carbon fibers reinforced magnesium matrix hybrid composites prepared by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 789, 139662.	2.6	11
111	Laser-assisted synthesis of bentonite/Pd nanocomposite and its electrochemical hydrogen storage capacity. <i>Microporous and Mesoporous Materials</i> , 2021, 328, 111439.	2.2	9
112	Modified chitosan-zeolite supported Pd nanoparticles: A reusable catalyst for the synthesis of 5-substituted-1H-tetrazoles from aryl halides. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1573-1585.	3.6	9
113	Solid-state fermentation as an alternative technology for cost-effective production of bioethanol as useful renewable energy: a review. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	7
114	Antibacterial, antibiofilm, anti-inflammatory, and wound healing effects of nanoscale multifunctional cationic alternating copolymers. <i>Bioorganic Chemistry</i> , 2022, 119, 105550.	2.0	7
115	Influence of Cd salt concentration on the photoconductivity of CdS thin films prepared by chemical bath technique. <i>Materials Science in Semiconductor Processing</i> , 2022, 148, 106773.	1.9	6
116	Easy and economical nanocasting method for preparation of carbon adsorbent using low-cost precursors in the presence of a natural zeolite as template. <i>Micro and Nano Letters</i> , 2012, 7, 1136-1139.	0.6	5
117	Recent developments in polymer-supported ruthenium nanoparticles/complexes for oxidation reactions. <i>Journal of Organometallic Chemistry</i> , 2021, 933, 121658.	0.8	5
118	Delving into role of palladium nanoparticles-decorated graphene oxide sheets on photoelectrochemical enhancement of porous silicon. <i>Inorganic Chemistry Communication</i> , 2022, 135, 109081.	1.8	5
119	Magnetic chitosan stabilized Cu(II)-tetrazole complex: an effective nanocatalyst for the synthesis of 3-imino-2-phenylisoindolin-1-one derivatives under ultrasound irradiation. <i>Scientific Reports</i> , 2022, 12, 6724.	1.6	4
120	Father of reverse osmosis who made a huge impact on our world: Srinivasa Sourirajan (October 16,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.1	4
121	Facile synthesis of Cu nanoparticles supported on magnetic lignin-chitosan blend as a highly effective catalyst for the preparation of 5-aryl-1H-tetrazoles. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12451-12465.	2.9	3
122	Microstructure and phase formation of mullite-Pr ₆ O ₁₁ composite prepared by spark plasma sintering. <i>Journal of Rare Earths</i> , 2023, 41, 283-289.	2.5	3
123	Removal of Pb(II) from Aqueous Solution by Ceramsite Prepared from Isfahan Bentonite and γ -Al ₂ O ₃ . <i>Chemistry and Chemical Technology</i> , 2021, 15, 263-273.	0.2	2
124	Using metallic additives as a bonding layer to produce Ti-based laminated composites via spark plasma sintering. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 435-445.	1.5	2
125	TiN formation on Ti target by laser ablation method under different N ₂ gas pressure and laser scanning cycles: A wettability study. <i>Surfaces and Interfaces</i> , 2021, 27, 101509.	1.5	2
126	Iran's alarmingly mismanaged zoos. <i>Science</i> , 2021, 373, 501-501.	6.0	1

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127	Copper complex stabilized on magnetic lignosulfonate: a magnetically recyclable catalyst for removal of wastewater contaminants. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1
128	Preface to the Special Issue on "Electrocatalytic Technologies" <i>Topics in Catalysis</i> , 2022, 65, 563.	1.3	1