Munawar Iqbal

List of Publications by Year
in descending order

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486 papers	18,210 citations	15466 65 h-index	25716 108 g-index
501 all docs	501 docs citations	501 times ranked	12906 citing authors

#	Article	IF	Citations
1	Dyes adsorption using clay and modified clay: A review. Journal of Molecular Liquids, 2018, 256, 395-407.	2.3	592
2	Vibrio fischeri bioluminescence inhibition assay for ecotoxicity assessment: A review. Science of the Total Environment, 2018, 626, 1295-1309.	3.9	432
3	Vicia faba bioassay for environmental toxicity monitoring: A review. Chemosphere, 2016, 144, 785-802.	4.2	358
4	The utilization of leaf-based adsorbents for dyes removal: A review. Journal of Molecular Liquids, 2019, 276, 728-747.	2.3	312
5	Biodiesel production from waste cooking oil: An efficient technique to convert waste into biodiesel. Sustainable Cities and Society, 2018, 41, 220-226.	5.1	304
6	Enhanced biodiesel production from Jatropha oil using calcined waste animal bones as catalyst. Renewable Energy, 2017, 101, 111-119.	4.3	249
7	Removal and recovery of nickel(II) from aqueous solution by loofa sponge-immobilized biomass of Chlorella sorokiniana: characterization studies. Journal of Hazardous Materials, 2004, 108, 85-94.	6.5	245
8	Green synthesis of iron oxide nanoparticles using pomegranate seeds extract and photocatalytic activity evaluation for the degradation of textile dye. Journal of Materials Research and Technology, 2019, 8, 6115-6124.	2.6	232
9	Biopolymers composites with peanut hull waste biomass and application for Crystal Violet adsorption. International Journal of Biological Macromolecules, 2017, 94, 210-220.	3.6	227
10	Effective adsorptive removal of azo dyes over spherical ZnO nanoparticles. Journal of Materials Research and Technology, 2019, 8, 713-725.	2.6	216
11	Mango stone biocomposite preparation and application for crystal violet adsorption: A mechanistic study. Microporous and Mesoporous Materials, 2017, 239, 180-189.	2.2	213
12	Efficient removal of dyes using carboxymethyl cellulose/alginate/polyvinyl alcohol/rice husk composite: Adsorption/desorption, kinetics and recycling studies. International Journal of Biological Macromolecules, 2020, 150, 861-870.	3.6	207
13	Green and eco-friendly synthesis of cobalt-oxide nanoparticle: Characterization and photo-catalytic activity. Advanced Powder Technology, 2017, 28, 2035-2043.	2.0	198
14	Biosorption of chromium onto native and immobilized sugarcane bagasse waste biomass. Ecological Engineering, 2013, 60, 99-107.	1.6	191
15	Eriobotrya japonica seed biocomposite efficiency for copper adsorption: Isotherms, kinetics, thermodynamic and desorption studies. Journal of Environmental Management, 2016, 176, 21-33.	3.8	183
16	Chitosan, starch, polyaniline and polypyrrole biocomposite with sugarcane bagasse for the efficient removal of Acid Black dye. International Journal of Biological Macromolecules, 2020, 147, 439-452.	3.6	181
17	Microalgae an ecofriendly and sustainable wastewater treatment option: Biomass application in biofuel and bio-fertilizer production. A review. Renewable and Sustainable Energy Reviews, 2021, 137, 110603.	8.2	175
18	Organic acids pretreatment effect on Rosa bourbonia phyto-biomass for removal of Pb(II) and Cu(II) from aqueous media. Bioresource Technology, 2013, 132, 446-452.	4.8	174

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19	Sulphur protects mustard (Brassica campestris L.) from cadmium toxicity by improving leaf ascorbate and glutathione. Plant Growth Regulation, 2008, 54, 271-279.	1.8	168
20	Glutathione metabolizing enzymes and oxidative stress in ferric nitrilotriacetate mediated hepatic injury. Redox Report, 1996, 2, 385-391.	1.4	166
21	Solar Red and Brittle Blue direct dyes adsorption onto Eucalyptus angophoroides bark: Equilibrium, kinetics and thermodynamic studies. Journal of Environmental Chemical Engineering, 2016, 4, 2431-2439.	3.3	165
22	Biocomposite efficiency for Cr(VI) adsorption: Kinetic, equilibrium and thermodynamics studies. Journal of Environmental Chemical Engineering, 2017, 5, 400-411.	3.3	162
23	Response surface methodology application in optimization of cadmium adsorption by shoe waste: A good option of waste mitigation by waste. Ecological Engineering, 2016, 88, 265-275.	1.6	158
24	Gamma radiation/H2O2 treatment of a nonylphenol ethoxylates: Degradation, cytotoxicity, and mutagenicity evaluation. Journal of Hazardous Materials, 2015, 299, 351-360.	6.5	157
25	The adsorption of Cr(VI) from water samples using graphene oxide-magnetic (GO-Fe3O4) synthesized from natural cellulose-based graphite (kusambi wood or Schleichera oleosa): Study of kinetics, isotherms and thermodynamics. Journal of Materials Research and Technology, 2020, 9, 6544-6556.	2.6	153
26	Adsorptive behavior of rice bran-based composites for malachite green dye: Isotherm, kinetic and thermodynamic studies. Journal of Molecular Liquids, 2017, 237, 322-333.	2.3	151
27	Fungal biomass composite with bentonite efficiency for nickel and zinc adsorption: A mechanistic study. Ecological Engineering, 2016, 91, 459-471.	1.6	149
28	Microwave roasting effects on the physico-chemical composition and oxidative stability of sunflower seed oil. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 777-784.	0.8	146
29	Biogenic synthesis, characterization and investigation of photocatalytic and antimicrobial activity of manganese nanoparticles synthesized from Cinnamomum verum bark extract. Journal of Molecular Structure, 2019, 1179, 532-539.	1.8	146
30	Biosorption of Pb(II) onto immobilized and native Mangifera indica waste biomass. Journal of Industrial and Engineering Chemistry, 2016, 35, 185-194.	2.9	137
31	Chitosan beads immobilized manganese peroxidase catalytic potential for detoxification and decolorization of textile effluent. International Journal of Biological Macromolecules, 2016, 89, 181-189.	3.6	134
32	Cu nanoparticles synthesis using biological molecule of P. granatum seeds extract as reducing and capping agent: Growth mechanism and photo-catalytic activity. International Journal of Biological Macromolecules, 2018, 106, 1203-1210.	3.6	134
33	Nickel nanoparticle synthesis using Camellia Sinensis as reducing and capping agent: Growth mechanism and photo-catalytic activity evaluation. International Journal of Biological Macromolecules, 2017, 103, 783-790.	3.6	126
34	Preparation and characterization of chitosan/clay composite for direct Rose FRN dye removal from aqueous media: comparison of linear and non-linear regression methods. Journal of Materials Research and Technology, 2019, 8, 1161-1174.	2.6	123
35	Wound healing potential of curcumin cross-linked chitosan/polyvinyl alcohol. International Journal of Biological Macromolecules, 2019, 140, 871-876.	3.6	114
36	Evaluation of magnetic material IIP@GO-Fe3O4 based on Kesambi wood (Schleichera oleosa) as a potential adsorbent for the removal of Cr(VI) from aqueous solutions. Reactive and Functional Polymers, 2021, 166, 105000.	2.0	110

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37	By-product identification and phytotoxicity of biodegraded Direct Yellow 4 dye. Chemosphere, 2017, 169, 474-484.	4.2	105
38	Green Synthesis of Metal Nanoparticles and their Applications in Different Fields: A Review. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1325-1349.	1.4	105
39	Mutagenicity and cytotoxicity assessment of biodegraded textile effluent by Ca-alginate encapsulated manganese peroxidase. Biochemical Engineering Journal, 2016, 109, 153-161.	1.8	101
40	Attenuation of Iron-Nitrilotriacetate(Fe-NTA)-mediated Renal Oxidative Stress, Toxicity and Hyperproliferative Response by the Prophylactic Treatment of Rats with Garlic Oil. Food and Chemical Toxicology, 1998, 36, 485-495.	1.8	100
41	Cytotoxicity and mutagenicity evaluation of gamma radiation and hydrogen peroxide treated textile effluents using bioassays. Journal of Environmental Chemical Engineering, 2015, 3, 1912-1917.	3.3	100
42	Relationship between structure and dyeing properties of reactive dyes for cotton dyeing. Journal of Molecular Liquids, 2017, 241, 839-844.	2.3	100
43	Synthesis, characterization and photocatalytic activity of ZnO flower and pseudo-sphere: Nonylphenol ethoxylate degradation under UV and solar irradiation. Journal of Alloys and Compounds, 2016, 678, 126-136.	2.8	99
44	Highly efficient removal of crystal violet dye from water by MnO2 based nanofibrous mesh/photocatalytic process. Journal of Materials Research and Technology, 2019, 8, 5149-5159.	2.6	99
45	Microalgae biosorption, bioaccumulation and biodegradation efficiency for the remediation of wastewater and carbon dioxide mitigation: Prospects, challenges and opportunities. Journal of Water Process Engineering, 2021, 41, 102009.	2.6	98
46	Microstructure and hardness studies of the electron beam welded zone of Hastelloy C-276. Journal of Alloys and Compounds, 2005, 390, 88-93.	2.8	97
47	Cadmium causes oxidative stress in mung bean by affecting the antioxidant enzyme system and ascorbate-glutathione cycle metabolism. Russian Journal of Plant Physiology, 2011, 58, 92-99.	0.5	95
48	Mutagenicity and cytotoxicity evaluation of photo-catalytically treated petroleum refinery wastewater using an array of bioassays. Chemosphere, 2017, 168, 590-598.	4.2	95
49	Fuel production from waste polystyrene via pyrolysis: Kinetics and products distribution. Waste Management, 2019, 88, 236-247.	3.7	95
50	ZnO, MgO and FeO adsorption efficiencies for direct sky Blue dye: equilibrium, kinetics and thermodynamics studies. Journal of Materials Research and Technology, 2020, 9, 5881-5893.	2.6	94
51	Electricity generation from biogas of poultry waste: An assessment of potential and feasibility in Pakistan. Renewable and Sustainable Energy Reviews, 2018, 81, 1241-1246.	8.2	87
52	Novel chitosan/guar gum/PVA hydrogel: Preparation, characterization and antimicrobial activity evaluation. International Journal of Biological Macromolecules, 2020, 164, 499-509.	3.6	86
53	Synthesis and characterization of chitosan and guar gum based ternary blends with polyvinyl alcohol. International Journal of Biological Macromolecules, 2020, 143, 546-554.	3.6	85
54	Development of new organic-inorganic, hybrid bionanocomposite from cellulose and clay for enhanced removal of Drimarine Yellow HF-3GL dye. International Journal of Biological Macromolecules, 2020, 149, 1059-1071.	3.6	84

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55	Graphene oxide decorated ZnWO4 architecture synthesis, characterization and photocatalytic activity evaluation. Journal of Molecular Liquids, 2019, 285, 778-789.	2.3	83
56	Loading of Cefixime to pH sensitive chitosan based hydrogel and investigation of controlled release kinetics. International Journal of Biological Macromolecules, 2020, 155, 1236-1244.	3.6	83
57	Polypyrole, polyaniline and sodium alginate biocomposites and adsorption-desorption efficiency for imidacloprid insecticide. International Journal of Biological Macromolecules, 2020, 147, 217-232.	3.6	82
58	Zn-doped SiO2 nanoparticles preparation and characterization under the effect of various solvents: Antibacterial, antifungal and photocatlytic performance evaluation. Journal of Photochemistry and Photobiology B: Biology, 2018, 185, 176-183.	1.7	80
59	Biocomposite of sodium-alginate with acidified clay for wastewater treatment: Kinetic, equilibrium and thermodynamic studies. International Journal of Biological Macromolecules, 2020, 161, 1272-1285.	3.6	80
60	Efficiency of activated natural zeolite-based magnetic composite (ANZ-Fe3O4) as a novel adsorbent for removal of Cr(VI) from wastewater. Journal of Materials Research and Technology, 2022, 18, 2896-2909.	2.6	79
61	Influence of different solvents on portrayal and photocatalytic activity of tin-doped zinc oxide nanoparticles. Journal of Molecular Liquids, 2018, 260, 272-278.	2.3	78
62	Ferric Nitrilotriacetate (Fe-NTA) Is a Potent Hepatic Tumor Promoter and Acts Through the Generation of Oxidative Stress. Biochemical and Biophysical Research Communications, 1995, 212, 557-563.	1.0	77
63	Green versus sol-gel synthesis of ZnO nanoparticles and antimicrobial activity evaluation against panel of pathogens. Journal of Materials Research and Technology, 2020, 9, 7817-7827.	2.6	77
64	Synthesis and characterization of NiFe2O4 ferrite: Solâ€“gel and hydrothermal synthesis routes effect on magnetic, structural and dielectric characteristics. Materials Chemistry and Physics, 2021, 258, 123888.	2.0	76
65	Polyamidoamine (PAMAM) dendrimers synthesis, characterization and adsorptive removal of nickel ions from aqueous solution. Journal of Materials Research and Technology, 2020, 9, 498-506.	2.6	73
66	Changes in growth, photosynthetic capacity and ionic relations in spring wheat (Triticum aestivum L.) due to pre-sowing seed treatment with polyamines. Plant Growth Regulation, 2005, 46, 19-30.	1.8	72
67	Effect of Fe and Bi doping on LaCoO3 structural, magnetic, electric and catalytic properties. Journal of Materials Research and Technology, 2019, 8, 4831-4842.	2.6	71
68	Photocatalytic degradation of disperse dye Violet-26 using TiO2 and ZnO nanomaterials and process variable optimization. Journal of Materials Research and Technology, 2020, 9, 1119-1128.	2.6	70
69	Biocomposites of polypyrrole, polyaniline and sodium alginate with cellulosic biomass: Adsorption-desorption, kinetics and thermodynamic studies for the removal of 2,4-dichlorophenol. International Journal of Biological Macromolecules, 2020, 153, 146-157.	3.6	70
70	Graphene oxide nanocomposite with Co and Fe doped LaCrO3 perovskite active under solar light irradiation for the enhanced degradation of crystal violet dye. Journal of Molecular Liquids, 2021, 322, 114895.	2.3	70
71	Biogenic and eco-benign synthesis of platinum nanoparticles (Pt NPs) using plants aqueous extracts and biological derivatives: environmental, biological and catalytic applications. Journal of Materials Research and Technology, 2020, 9, 9093-9107.	2.6	69
72	Mixed microalgae consortia growth under higher concentration of CO2 from unfiltered coal fired flue gas: Fatty acid profiling and biodiesel production. Journal of Photochemistry and Photobiology B: Biology, 2018, 179, 126-133.	1.7	68

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73	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. Nanomaterials, 2016, 6, 73.	1.9	65
74	Laser light and magnetic field stimulation effect on biochemical, enzymes activities and chlorophyll contents in soybean seeds and seedlings during early growth stages. Journal of Photochemistry and Photobiology B: Biology, 2016, 165, 283-290.	1.7	65
75	Basic Dye Adsorption onto Clay/MnFe₂O₄ Composite: A Mechanistic Study. Water Environment Research, 2017, 89, 301-311.	1.3	65
76	Decolorization of Basic Turquise Blue X-GB and Basic Blue X-GRRL by the Fentonâ€™s Process and its Kinetics. Zeitschrift Fur Physikalische Chemie, 2019, 233, 361-373.	1.4	65
77	Gamma Radiation Treatment for Reducing Cytotoxicity and Mutagenicity in Industrial Wastewater. Polish Journal of Environmental Studies, 2015, 24, 2745-2750.	0.6	65
78	Kinetics and equilibrium studies of copper, zinc, and nickel ions adsorptive removal on to Archontophoenix alexandrae: conditions optimization by RSM. , 0, 201, 289-300.		65
79	Enhanced ethanol production at commercial scale from molasses using high gravity technology by mutant S. cerevisiae. Brazilian Journal of Microbiology, 2017, 48, 403-409.	0.8	64
80	Iron oxide (Fe2O3) prepared via green route and adsorption efficiency evaluation for an anionic dye: kinetics, isotherms and thermodynamics studies. Journal of Materials Research and Technology, 2020, 9, 4206-4217.	2.6	64
81	Uranium remediation using modified Vigna radiata waste biomass. Applied Radiation and Isotopes, 2017, 123, 94-101.	0.7	63
82	Graphene and silver decorated ZnO composite synthesis, characterization and photocatalytic activity evaluation. Diamond and Related Materials, 2018, 90, 26-31.	1.8	63
83	Biocomposite application for the phosphate ions removal in aqueous medium. Journal of Materials Research and Technology, 2018, 7, 300-307.	2.6	62
84	Enhancement in the multiferroic properties of BiFeO3 by charge compensated aliovalent substitution of Ba and Nb. AIP Advances, 2014, 4, .	0.6	61
85	Chromium adsorption using waste tire and conditions optimization by response surface methodology. Journal of Environmental Chemical Engineering, 2017, 5, 2740-2751.	3.3	60
86	Efficient remediation of Zr(IV) using citrus peel waste biomass: Kinetic, equilibrium and thermodynamic studies. Ecological Engineering, 2016, 95, 216-228.	1.6	59
87	Noble metal nanoparticle-functionalized ZnO nanoflowers for photocatalytic degradation of RhB dye and electrochemical sensing of hydrogen peroxide. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	59
88	Indonesian Kesambi wood (Schleichera oleosa) activated with pyrolysis and H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2824" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>SO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2832" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msu	3.0	59
89	Influence of cobalt doping on structural and magnetic properties of BiFeO3 nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	57
90	Seed Preconditioning Modulates Growth, Ionic Relations, and Photosynthetic Capacity in Adult Plants of Hexaploid Wheat under Salt Stress. Journal of Plant Nutrition, 2007, 30, 381-396.	0.9	55

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91	Heâ€Ne Laserâ€Induced Improvement in Biochemical, Physiological, Growth and Yield Characteristics in Sunflower (Helianthus annuus L.). Photochemistry and Photobiology, 2011, 87, 1453-1463.	1.3	54
92	Application of ANFIS-based subtractive clustering algorithm in soil Cation Exchange Capacity estimation using soil and remotely sensed data. Measurement: Journal of the International Measurement Confederation, 2017, 95, 173-180.	2.5	54
93	Structural, Dielectric and Magnetic Studies of Perovskite [Gd_{1â^'x}M_xCrO₃ (M = La, Co, Bi)] Nanoparticles: Photocatalytic Degradation of Dyes. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1431-1445.	1.4	54
94	A DFT study of structural, magnetic, elastic and optoelectronic properties of lanthanide based XAlO3 (X=Nd, Gd) compounds. Journal of Materials Research and Technology, 2020, 9, 16488-16496.	2.6	54
95	Green synthesis, characterization and photocatalytic applications of silver nanoparticles using Diospyros lotus. Green Processing and Synthesis, 2020, 9, 87-96.	1.3	54
96	Remediation of pesticides using TiO2 based photocatalytic strategies: A review. Chemosphere, 2022, 300, 134525.	4.2	54
97	Thermo-catalytic decomposition of polystyrene waste: Comparative analysis using different kinetic models. Waste Management and Research, 2020, 38, 202-212.	2.2	53
98	Enhanced photocatalytic and electrochemical properties of Au nanoparticles supported TiO2 microspheres. New Journal of Chemistry, 2014, 38, 1424.	1.4	52
99	Measurement of cytotoxicity and heavy metal load in drains water receiving textile effluents and drinking water in vicinity of drains. Measurement: Journal of the International Measurement Confederation, 2017, 109, 88-99.	2.5	52
100	Microalgae screening under CO 2 stress: Growth and micro-nutrients removal efficiency. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 91-98.	1.7	52
101	Gamma â€“ irradiation induced degradation of diclofenac in aqueous solution: Kinetics, role of reactive species and influence of natural water parameters. Journal of Environmental Chemical Engineering, 2016, 4, 2573-2584.	3.3	51
102	A green approach for the removal of Sr(II) from aqueous media: Kinetics, isotherms and thermodynamic studies. Journal of Molecular Liquids, 2018, 257, 164-172.	2.3	51
103	Effect of presowing magnetic treatment on properties of pea. International Agrophysics, 2012, 26, .	0.7	50
104	ZnO, CuO and Fe₂O₃ green synthesis for the adsorptive removal of direct golden yellow dye adsorption: kinetics, equilibrium and thermodynamics studies. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1055-1075.	1.4	50
105	Î±-Tocopherol (vitamin-E) ameliorates ferric nitrilotriacetate (Fe-NTA)-dependent renal proliferative response and toxicity: diminution of oxidative stress. Human and Experimental Toxicology, 1998, 17, 163-171.	1.1	49
106	Kinetic Study of Cr(III) and Cr(VI) Biosorption Using Rosa damascena Phytomass: A Rose Waste Biomass. Asian Journal of Chemistry, 2013, 25, 2099-2103.	0.1	49
107	Structural and magnetic response of Mn substituted Co 2 Y-type barium hexaferrites. Journal of Alloys and Compounds, 2016, 686, 1017-1024.	2.8	49
108	Hydrothermal synthesis of molybdenum trioxide, characterization and photocatalytic activity. Materials Research Bulletin, 2018, 100, 120-130.	2.7	49

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109	Age-Dependent Renal Accumulation of 4-Hydroxy-2- Nonenal (HNE)-Modified Proteins Following Parenteral Administration of Ferric Nitrilotriacetate Commensurate with Its Differential Toxicity: Implications for the Involvement of HNEâ€"Protein Adducts in Oxidative Stress and Carcinogenesis. Archives of Biochemistry and Biophysics, 1999, 365, 101-112.	1.4	47
110	Pyrolysis of waste tire rubber: Influence of temperature on pyrolysates yield. Journal of Environmental Chemical Engineering, 2018, 6, 3469-3473.	3.3	46
111	Efficiency of immobilized Zea mays biomass for the adsorption of chromium from simulated media and tannery wastewater. Journal of Materials Research and Technology, 2019, 8, 75-86.	2.6	46
112	La1-xGdxCr1-yNiyO3 perovskite nanoparticles synthesis by micro-emulsion route: Dielectric, magnetic and photocatalytic properties evaluation. Ceramics International, 2021, 47, 5822-5831.	2.3	46
113	Phase transition and thermoelectric properties of cubic KNbO3 under pressure: DFT approach. Journal of Materials Research and Technology, 2021, 11, 2106-2113.	2.6	46
114	Heâ€"Ne laser-induced changes in germination, thermodynamic parameters, internal energy, enzyme activities and physiological attributes of wheat during germination and early growth. Laser Physics Letters, 2013, 10, 045606.	0.6	45
115	Mutagenicity, cytotoxicity and phytotoxicity evaluation of biodegraded textile effluent by fungal ligninolytic enzymes. Water Science and Technology, 2016, 73, 2332-2344.	1.2	45
116	Pyrolysis of Expanded Waste Polystyrene: Influence of Nickel-Doped Copper Oxide on Kinetics, Thermodynamics, and Product Distribution. Energy & Fuels, 2019, 33, 12666-12678.	2.5	45
117	Graphene oxide supported Fe2(MoO4)3 nano rods assembled round-ball fabrication via hydrothermal route and photocatalytic degradation of nonsteroidal anti-inflammatory drug. Journal of Molecular Liquids, 2020, 301, 112343.	2.3	45
118	Structural and optical properties of Ti and Cu coâ€doped <scp>ZnO</scp> thin films for photovoltaic applications of dye sensitized solar cells. International Journal of Energy Research, 2021, 45, 2445-2459.	2.2	45
119	The role of green tea extract and powder in mitigating metabolic syndromes with special reference to hyperglycemia and hypercholesterolemia. Food and Function, 2014, 5, 545.	2.1	44
120	Hydrothermal Synthesis of Zinc Doped Nickel Ferrites: Evaluation of Structural, Magnetic and Dielectric Properties. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1411-1430.	1.4	44
121	Hardness and microstructural studies of electron beam welded joints of Zircaloy-4 and stainless steel. Journal of Nuclear Materials, 2002, 301, 118-121.	1.3	43
122	Gamma radiation induced degradation of anthraquinone Reactive Blue-19 dye using hydrogen peroxide as oxidizing agent. Radiation Physics and Chemistry, 2020, 168, 108637.	1.4	43
123	Synthesis and characterization of Zn doped WO₃ nanoparticles: photocatalytic, antifungal and antibacterial activities evaluation. Materials Research Express, 2020, 7, 015407.	0.8	43
124	Ameliorative Effects of CaCl2on Growth, Ionic Relations, and Proline Content of Senna Under Salinity Stress. Journal of Plant Nutrition, 2005, 28, 101-125.	0.9	42
125	Changes in Hormonal Balance: A Possible Mechanism of Preâ€Sowing Chillingâ€Induced Salt Tolerance in Spring Wheat. Journal of Agronomy and Crop Science, 2010, 196, 440-454.	1.7	42
126	Effect of Ni doping on the structural, optical and photocatalytic activity of MoS₂, prepared by Hydrothermal method. Materials Research Express, 2020, 7, 015061.	0.8	42

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127	Fe/ZnO@ceramic fabrication for the enhanced photocatalytic performance under solar light irradiation for dye degradation. Journal of Materials Research and Technology, 2020, 9, 4218-4229.	2.6	42
128	Ferroelectric, dielectric, magnetic, structural and photocatalytic properties of Co and Fe doped LaCrO3 perovskite synthesized via micro-emulsion route. Ceramics International, 2021, 47, 16696-16707.	2.3	41
129	Sodium alginate and polypyrrole composites with algal dead biomass for the adsorption of Congo red dye: Kinetics, thermodynamics and desorption studies. Surfaces and Interfaces, 2021, 25, 101183.	1.5	40
130	Study on the addition of SiO2 nanowires to BaTiO3: Structure, morphology, electrical and dielectric properties. Journal of Physics and Chemistry of Solids, 2021, 156, 110183.	1.9	40
131	Comparative study of heavy metals distribution in soil, forage, blood and milk. Acta Ecologica Sinica, 2017, 37, 207-212.	0.9	39
132	Kinetics and Equilibrium Studies of Eriobotrya Japonica: A Novel Adsorbent Preparation for Dyes Sequestration. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1469-1484.	1.4	39
133	Lead Remediation Using Smart Materials. A Review. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1377-1409.	1.4	39
134	Eco-benign biodiesel production from waste cooking oil using eggshell derived MM-CaO catalyst and condition optimization using RSM approach. Arabian Journal of Chemistry, 2021, 14, 103263.	2.3	39
135	Batch versus column modes for the adsorption of radioactive metal onto rice husk waste: conditions optimization through response surface methodology. Water Science and Technology, 2017, 76, 1035-1043.	1.2	38
136	Biocatalytic transesterification of Eruca sativa oil for the production of biodiesel. Biocatalysis and Agricultural Biotechnology, 2016, 5, 162-167.	1.5	37
137	Structural, electronic, half â€“metallic ferromagnetic and optical properties of cubic MAlO3 (M=Ce, Pr) perovskites: A DFT study. Journal of Physics and Chemistry of Solids, 2021, 154, 110084.	1.9	37
138	Zinc oxide nanoparticles fabrication using Eriobotrya japonica leaves extract: Photocatalytic performance and antibacterial activity evaluation. Arabian Journal of Chemistry, 2021, 14, 103251.	2.3	37
139	Surface modification of Hastelloy C-276 by SiC addition and electron beam melting. Journal of Nuclear Materials, 2005, 336, 120-124.	1.3	36
140	Formation of dendritic structure in the diffusion zone of the bonded Zircaloy-4 and stainless steel 316L in the presence of Ti interlayer. Journal of Alloys and Compounds, 2005, 399, 96-100.	2.8	36
141	Metallurgical Processing Strategies for Metals Recovery from Industrial Slags. Zeitschrift Fur Physikalische Chemie, 2020, 234, 201-231.	1.4	36
142	Preparation and characterization of guar gum based biopolymeric hydrogels for controlled release of antihypertensive drug. Arabian Journal of Chemistry, 2021, 14, 103111.	2.3	36
143	Microstructure and characterization of phases in TIG welded joints of Zircaloy-4 and stainless steel 304L. Journal of Materials Science, 2007, 42, 328-331.	1.7	34
144	A neural network model for estimating soil phosphorus using terrain analysis. Egyptian Journal of Remote Sensing and Space Science, 2015, 18, 127-135.	1.1	34

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145	ZnO/UV/H₂O₂ Based Advanced Oxidation of Disperse Red Dye. Zeitschrift Fur Physikalische Chemie, 2020, 234, 129-143.	1.4	34
146	Enhanced mechanical, UV protection and antimicrobial properties of cotton fabric employing nanochitosan and polyurethane based finishing. Journal of Materials Research and Technology, 2021, 11, 946-956.	2.6	34
147	Application of Advanced Oxidations Processes for the Treatments of Textile Effluents. Asian Journal of Chemistry, 2014, 26, 1882-1886.	0.1	33
148	Eco-friendly synthesis of pyrimidines and its derivatives: A review on broad spectrum bioactive moiety with huge therapeutic profile. Synthetic Communications, 2018, 48, 601-625.	1.1	33
149	Evidence that ferric nitrilotriacetate mediates oxidative stress by down-regulating DT-diaphorase activity: implications for carcinogenesis. Cancer Letters, 1999, 141, 151-157.	3.2	32
150	Comparison of HeNe laser and sinusoidal non-uniform magnetic field seed pre-sowing treatment effect on Glycine max (Var 90-I) germination, growth and yield. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 212-219.	1.7	32
151	Synthesis and characterization of SiO2 doped Fe2O3 nanoparticles: Photocatalytic and antimicrobial activity evaluation. Journal of Molecular Structure, 2019, 1180, 244-250.	1.8	32
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