

Haq Nawaz Bhatti

List of Publications by Citations

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235 papers	9,016 citations	52 h-index	86 g-index
246 ext. papers	10,449 ext. citations	4.1 avg, IF	6.89 L-index

#	Paper	IF	Citations
235	Methods for polyurethane and polyurethane composites, recycling and recovery: A review. <i>Reactive and Functional Polymers</i> , 2007 , 67, 675-692	4.6	417
234	Dyes adsorption using clay and modified clay: A review. <i>Journal of Molecular Liquids</i> , 2018 , 256, 395-407	6	405
233	Recent developments in biodegradation of industrial pollutants by white rot fungi and their enzyme system. <i>Biodegradation</i> , 2008 , 19, 771-83	4.1	344
232	Biodiesel production from waste tallow. <i>Fuel</i> , 2008 , 87, 2961-2966	7.1	245
231	Biodiesel production from waste cooking oil: An efficient technique to convert waste into biodiesel. <i>Sustainable Cities and Society</i> , 2018 , 41, 220-226	10.1	200
230	Ni(II) biosorption by Cassia fistula (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007 , 139, 345-55	12.8	183
229	Biopolymers composites with peanut hull waste biomass and application for Crystal Violet adsorption. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 210-220	7.9	177
228	Mango stone biocomposite preparation and application for crystal violet adsorption: A mechanistic study. <i>Microporous and Mesoporous Materials</i> , 2017 , 239, 180-189	5.3	159
227	Kinetic and thermodynamic modeling for the removal of Direct Red-31 and Direct Orange-26 dyes from aqueous solutions by rice husk. <i>Desalination</i> , 2011 , 272, 313-322	10.3	159
226	Column bioleaching of metals from electronic scrap. <i>Hydrometallurgy</i> , 2010 , 101, 135-140	4	159
225	Eriobotrya japonica seed biocomposite efficiency for copper adsorption: Isotherms, kinetics, thermodynamic and desorption studies. <i>Journal of Environmental Management</i> , 2016 , 176, 21-33	7.9	155
224	Kinetic and thermodynamic aspects of Cu(II) and Cr(III) removal from aqueous solutions using rose waste biomass. <i>Journal of Hazardous Materials</i> , 2009 , 161, 941-7	12.8	150
223	Batch and fixed bed column studies for the removal of Indosol Yellow BG dye by peanut husk. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 541-553	5.3	137
222	Fungal biomass composite with bentonite efficiency for nickel and zinc adsorption: A mechanistic study. <i>Ecological Engineering</i> , 2016 , 91, 459-471	3.9	128
221	Solar Red and Brittle Blue direct dyes adsorption onto Eucalyptus angophoroides bark: Equilibrium, kinetics and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2431-2439	6.8	128
220	Efficient removal of dyes using carboxymethyl cellulose/alginate/polyvinyl alcohol/rice husk composite: Adsorption/desorption, kinetics and recycling studies. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 861-870	7.9	125
219	Evaluation of thermodynamics and effect of chemical treatments on sorption potential of Citrus waste biomass for removal of anionic dyes from aqueous solutions. <i>Ecological Engineering</i> , 2012 , 38, 79-85	3.9	125

218	Biocomposite efficiency for Cr(VI) adsorption: Kinetic, equilibrium and thermodynamics studies. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 400-411	6.8	120
217	Chitosan, starch, polyaniline and polypyrrole biocomposite with sugarcane bagasse for the efficient removal of Acid Black dye. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 439-452	7.9	115
216	Adsorptive behavior of rice bran-based composites for malachite green dye: Isotherm, kinetic and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2017 , 237, 322-333	6	114
215	Biological transformations of steroidal compounds: a review. <i>Steroids</i> , 2012 , 77, 1267-90	2.8	112
214	Biogenic synthesis, characterization and investigation of photocatalytic and antimicrobial activity of manganese nanoparticles synthesized from Cinnamomum verum bark extract. <i>Journal of Molecular Structure</i> , 2019 , 1179, 532-539	3.4	106
213	Cross-linked enzyme aggregates (CLEAs) of <i>Penicillium notatum</i> lipase enzyme with improved activity, stability and reusability characteristics. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1161-9	7.9	104
212	Dynamic biosorption of Zn(II) and Cu(II) using pretreated <i>Rosa gruss an teplitz</i> (red rose) distillation sludge. <i>Chemical Engineering Journal</i> , 2009 , 148, 434-443	14.7	92
211	Removal of Zn(II) ions from aqueous solution using <i>Moringa oleifera</i> Lam. (horseradish tree) biomass. <i>Process Biochemistry</i> , 2007 , 42, 547-553	4.8	90
210	Resource recovery of critically-rare metals by hydrometallurgical recycling of spent lithium ion batteries. <i>Separation and Purification Technology</i> , 2019 , 209, 725-733	8.3	88
209	Batch and fixed bed adsorption study for the removal of Drimarine Black CL-B dye from aqueous solution using a lignocellulosic waste: A cost affective adsorbent. <i>Industrial Crops and Products</i> , 2013 , 50, 568-579	5.9	82
208	Equilibrium, kinetic and thermodynamic studies on the removal of U(VI) by low cost agricultural waste. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 124-33	6	80
207	Preparation and characterization of chitosan/clay composite for direct Rose FRN dye removal from aqueous media: comparison of linear and non-linear regression methods. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1161-1174	5.5	80
206	By-product identification and phytotoxicity of biodegraded Direct Yellow 4 dye. <i>Chemosphere</i> , 2017 , 169, 474-484	8.4	77
205	Characteristic features and dye degrading capability of agar-agar gel immobilized manganese peroxidase. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 728-40	7.9	74
204	Kinetic and Equilibrium Modeling for Cr(III) and Cr(VI) Removal from Aqueous Solutions by <i>Citrus reticulata</i> Waste Biomass. <i>Water, Air, and Soil Pollution</i> , 2008 , 191, 305-318	2.6	74
203	XRD studies of polyurethane elastomers based on chitin/1,4-butane diol blends. <i>Carbohydrate Polymers</i> , 2009 , 76, 183-187	10.3	71
202	Immobilized lignin peroxidase from <i>Ganoderma lucidum</i> IBL-05 with improved dye decolorization and cytotoxicity reduction properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 57-64	7.9	70
201	Studies on kinetics and thermostability of a novel acid invertase from <i>Fusarium solani</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 4617-23	5.7	70

200	Improvement of activity, thermo-stability and fruit juice clarification characteristics of fungal exo-polygalacturonase. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 974-984	7.9	69
199	Molecular engineering and properties of chitin based shape memory polyurethanes. <i>Carbohydrate Polymers</i> , 2008 , 74, 621-626	10.3	68
198	Mechanistic and kinetic evaluation of biosorption of reactive azo dyes by free, immobilized and chemically treated Citrus sinensis waste biomass. <i>Ecological Engineering</i> , 2010 , 36, 1660-1665	3.9	66
197	Application of a novel lignocellulosic biomaterial for the removal of Direct Yellow 50 dye from aqueous solution: Batch and column study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 47, 160-170	5.3	64
196	Green Synthesis of Metal Nanoparticles and their Applications in Different Fields: A Review. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019 , 233, 1325-1349	3.1	62
195	Biosorption of Direct Red-31 and Direct Orange-26 dyes by rice husk: Application of factorial design analysis. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 2566-2574	5.5	62
194	Kinetic and Equilibrium Modeling of Pb(II) and Co(II) Sorption onto Rose Waste Biomass. <i>Separation Science and Technology</i> , 2007 , 42, 3641-3656	2.5	61
193	Evaluation of peanut husk as a novel, low cost biosorbent for the removal of Indosol Orange RSN dye from aqueous solutions: batch and fixed bed studies. <i>Clean Technologies and Environmental Policy</i> , 2014 , 16, 527-544	4.3	60
192	Efficacy of Daucus carota L. waste biomass for the removal of chromium from aqueous solutions. <i>Desalination</i> , 2010 , 253, 78-87	10.3	60
191	Synthesis and characterization of novel, biodegradable, thermally stable chitin-based polyurethane elastomers. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 769-776	2.9	58
190	Adsorptive removal of direct textile dyes by low cost agricultural waste: Application of factorial design analysis. <i>Chemical Engineering Journal</i> , 2011 , 167, 35-41	14.7	56
189	Kinetic studies for Ni(II) biosorption from industrial wastewater by Cassia fistula (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007 , 145, 501-5	12.8	56
188	Uranium remediation using modified Vigna radiata waste biomass. <i>Applied Radiation and Isotopes</i> , 2017 , 123, 94-101	1.7	54
187	Decolorization of practical textile industry effluents by white rot fungus Coriolus versicolor IBL-04. <i>Biochemical Engineering Journal</i> , 2009 , 47, 61-65	4.2	54
186	Decolorization of Basic Turquoise Blue X-GB and Basic Blue X-GRRL by the Fenton [®] Process and its Kinetics. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019 , 233, 361-373	3.1	53
185	RSM based optimized enzyme-assisted extraction of antioxidant phenolics from underutilized watermelon (Citrullus lanatus Thunb.) rind. <i>Journal of Food Science and Technology</i> , 2015 , 52, 5048-56	3.3	53
184	Removal and recovery of Cu(II) and Zn(II) using immobilized Mentha arvensis distillation waste biomass. <i>Ecological Engineering</i> , 2009 , 35, 1427-1434	3.9	53
183	Polypyrrole, polyaniline and sodium alginate biocomposites and adsorption-desorption efficiency for imidacloprid insecticide. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 217-232	7.9	50

182	Leaching of metal ions from black shale by organic acids produced by <i>Aspergillus niger</i> . <i>Applied Clay Science</i> , 2010 , 47, 356-361	5.2	50
181	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. <i>Biodegradation</i> , 2007 , 18, 311-6	4.1	50
180	Biocomposite application for the phosphate ions removal in aqueous medium. <i>Journal of Materials Research and Technology</i> , 2018 , 7, 300-307	5.5	50
179	Basic Dye Adsorption onto Clay/MnFeO Composite: A Mechanistic Study. <i>Water Environment Research</i> , 2017 , 89, 301-311	2.8	49
178	Biocomposites of polypyrrole, polyaniline and sodium alginate with cellulosic biomass: Adsorption-desorption, kinetics and thermodynamic studies for the removal of 2,4-dichlorophenol. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 146-157	7.9	49
177	Highly efficient removal of crystal violet dye from water by MnO ₂ based nanofibrous mesh/photocatalytic process. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5149-5159	5.5	48
176	Optimization of medium for decolorization of Solar golden yellow R direct textile dye by <i>Schizophyllum commune</i> IBL-06. <i>International Biodeterioration and Biodegradation</i> , 2008 , 61, 189-193	4.8	48
175	Recent advances in the production strategies of microbial pectinases-A review. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1017-1026	7.9	48
174	Removal of reactive blue 19 and reactive blue 49 textile dyes by citrus waste biomass from aqueous solution: Equilibrium and kinetic study. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 412-419	2.3	47
173	Potential use of low-cost lignocellulosic waste for the removal of direct violet 51 from aqueous solution: equilibrium and breakthrough studies. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 66, 557-71	3.2	46
172	Removal of lead and cobalt using lignocellulosic fiber derived from <i>Citrus reticulata</i> waste biomass. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 218-227	2.8	45
171	Efficient remediation of Zr(IV) using citrus peel waste biomass: Kinetic, equilibrium and thermodynamic studies. <i>Ecological Engineering</i> , 2016 , 95, 216-228	3.9	45
170	Removal of Indosol Turquoise FBL dye from aqueous solution by bagasse, a low cost agricultural waste: batch and column study. <i>Desalination and Water Treatment</i> , 2014 , 52, 184-198		44
169	Removal of uranium(VI) from aqueous solutions using <i>Eucalyptus citriodora</i> distillation sludge. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 813-822	3.3	44
168	Modification of cellulosic fiber with polyurethane acrylate copolymers. Part I: Physicochemical properties. <i>Carbohydrate Polymers</i> , 2012 , 87, 397-404	10.3	44
167	Synthesis and thermomechanical characterization of polyurethane elastomers extended with alkane diols. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1840-1849	2.9	44
166	A green approach for the removal of Sr(II) from aqueous media: Kinetics, isotherms and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2018 , 257, 164-172	6	43
165	Removal of solar red BA textile dye from aqueous solution by low cost barley husk: Equilibrium, kinetic and thermodynamic study. <i>Canadian Journal of Chemical Engineering</i> , 2011 , 89, 593-600	2.3	43

164	Comparative study of natural and synthetic phenolic compounds as efficient laccase mediators for the transformation of cationic dye. <i>Biochemical Engineering Journal</i> , 2011 , 56, 225-231	4.2	42
163	Mechanistic study of a diazo dye degradation by Soybean Peroxidase. <i>Chemistry Central Journal</i> , 2013 , 7, 93		40
162	Characterization of Plant Peroxidases and Their Potential for Degradation of Dyes: a Review. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 1529-50	3.2	40
161	Aflatoxin B1 in chilies from the Punjab region, Pakistan. <i>Mycotoxin Research</i> , 2010 , 26, 205-9	4	39
160	A review of advances in engineered composite materials popular for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104073	6.8	39
159	Fitting of equilibrium and kinetic data for the removal of Novacron Orange P-2R by sugarcane bagasse. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1684-1692	6.3	37
158	Biotransformation of monoterpenoids and their antimicrobial activities. <i>Phytomedicine</i> , 2014 , 21, 1597-606	6.5	36
157	Optimization of culture conditions for enhanced decolorization of cibacron red FN-2BL by <i>Schizophyllum commune</i> IBL-6. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 149, 255-64	3.2	36
156	Removal of Actacid Orange-RL Dye Using Biocomposites: Modeling Studies. <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 2125-2134	2.3	36
155	Improved catalytic properties of <i>Penicillium notatum</i> lipase immobilized in nanoscale silicone polymeric films. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 279-286	7.9	34
154	Removal of Novacron Golden Yellow dye from aqueous solutions by low-cost agricultural waste: Batch and fixed bed study. <i>Chemistry and Ecology</i> , 2014 , 30, 52-65	2.3	34
153	Enhanced bioleaching of metals from black shale using ultrasonics. <i>Hydrometallurgy</i> , 2010 , 100, 122-128	4	34
152	Mechanistic study of degradation of basic violet 3 by Citrus limon peroxidase and phytotoxicity assessment of its degradation products. <i>Biochemical Engineering Journal</i> , 2015 , 95, 9-19	4.2	33
151	Adsorptive Removal of Methylene Blue by Low-Cost Citrus sinensis Bagasse: Equilibrium, Kinetic and Thermodynamic Characterization. <i>Arabian Journal for Science and Engineering</i> , 2012 , 37, 9-18		33
150	Degradation and kinetics of H ₂ O ₂ assisted photochemical oxidation of Remazol Turquoise Blue. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 373-379	14.7	33
149	Degradation of reactive dye using heterogeneous photo-Fenton catalysts: ZnFe ₂ O ₄ and GO-ZnFe ₂ O ₄ composite. <i>Materials Research Express</i> , 2020 , 7, 015519	1.7	33
148	Microalgae biosorption, bioaccumulation and biodegradation efficiency for the remediation of wastewater and carbon dioxide mitigation: Prospects, challenges and opportunities. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102009	6.7	33
147	Removal of zirconium(IV) from aqueous solution by <i>Coriolus versicolor</i> : Equilibrium and thermodynamic study. <i>Ecological Engineering</i> , 2013 , 51, 178-180	3.9	32

146	Bio-Reclamation of Strategic and Energy Critical Metals from Secondary Resources. <i>Metals</i> , 2017 , 7, 207-232	2.3	32
145	Efficiency of Advanced Oxidation Processes for Detoxification of Industrial Effluents. <i>Asian Journal of Chemistry</i> , 2014 , 26, 4291-4296	0.4	29
144	Batch versus column modes for the adsorption of radioactive metal onto rice husk waste: conditions optimization through response surface methodology. <i>Water Science and Technology</i> , 2017 , 76, 1035-1043	2.2	28
143	Green synthesis, characterization and photocatalytic applications of silver nanoparticles using <i>Diospyros lotus</i> . <i>Green Processing and Synthesis</i> , 2020 , 9, 87-96	3.9	28
142	Textile Effluents Affected Seed Germination and Early Growth of Some Winter Vegetable Crops: A Case Study. <i>Water, Air, and Soil Pollution</i> , 2009 , 198, 155-163	2.6	27
141	Purification and characterization of a novel glucoamylase from <i>Fusarium solani</i> . <i>Food Chemistry</i> , 2007 , 103, 338-343	8.5	27
140	Synthesis, characterization and efficiency evaluation of chitosan-polyurethane based textile finishes. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 145-155	7.9	26
139	Removal of Cu(II) and Zn(II) Using Lignocellulosic Fiber Derived from <i>Citrus reticulata</i> (Kinnow) Waste Biomass. <i>Separation Science and Technology</i> , 2009 , 44, 4000-4022	2.5	25
138	Multiple Parameter Optimizations for Enhanced Biosynthesis of Exo-polygalacturonase Enzyme and its Application in Fruit Juice Clarification. <i>International Journal of Food Engineering</i> , 2017 , 13,	1.9	24
137	A robust approach towards green synthesis of polyaniline- <i>Scenedesmus</i> biocomposite for wastewater treatment applications. <i>Materials Research Express</i> , 2019 , 6, 055308	1.7	24
136	Removal of anionic dyes by rice milling waste from synthetic effluents: equilibrium and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2012 , 48, 267-277		24
135	Hyperactivation and thermostabilization of <i>Phanerochaete chrysosporium</i> lignin peroxidase by immobilization in xerogels. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 525-531	4.4	24
134	Pyrolysis of Expanded Waste Polystyrene: Influence of Nickel-Doped Copper Oxide on Kinetics, Thermodynamics, and Product Distribution. <i>Energy & Fuels</i> , 2019 , 33, 12666-12678	4.1	24
133	Biotransformations of diterpenoids and triterpenoids: a review. <i>Journal of Asian Natural Products Research</i> , 2014 , 16, 70-104	1.5	22
132	Laccase mediated decolorization of vat dyes by <i>Coriolus versicolor</i> IBL-04. <i>International Biodeterioration and Biodegradation</i> , 2008 , 62, 465-470	4.8	22
131	Adsorptive removal of direct dyes by PEI-treated peanut husk biomass: Box-Behnken experimental design. <i>Chemistry and Ecology</i> , 2015 , 31, 252-264	2.3	21
130	Removal of direct Red-31 and direct Orange-26 by low cost rice husk: Influence of immobilisation and pretreatments. <i>Canadian Journal of Chemical Engineering</i> , 2011 , 89, 1554-1565	2.3	21
129	Purification and thermodynamic characterization of glucose oxidase from a newly isolated strain of <i>Aspergillus niger</i> . <i>Canadian Journal of Microbiology</i> , 2006 , 52, 519-24	3.2	21

128	Green synthesis of selenium-N-heterocyclic carbene compounds: Evaluation of antimicrobial and anticancer potential. <i>Bioorganic Chemistry</i> , 2019 , 90, 103042	5.1	20
127	One Step Bioleaching of Sulphide Ore with Low Concentration of Arsenic by <i>Aspergillus niger</i> and Taguchi Orthogonal Array Optimization. <i>Chinese Journal of Chemical Engineering</i> , 2012 , 20, 923-929	3.2	20
126	Production, purification and thermal characterisation of invertase from a newly isolated <i>Fusarium</i> sp. under solid-state fermentation. <i>International Journal of Food Science and Technology</i> , 2008 , 43, 1152-1158	3.8	20
125	Remediation of heavy metals using easily cultivable, fast growing, and highly accumulating white rot fungi from hazardous aqueous streams. <i>Desalination and Water Treatment</i> , 2015 , 53, 238-248		19
124	Production, thermodynamic characterization, and fruit juice quality improvement characteristics of an Exo-polygalacturonase from <i>Penicillium janczewskii</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140379	4	19
123	Escalation of liver malfunctioning: A step toward Herbal Awareness. <i>Journal of Ethnopharmacology</i> , 2018 , 216, 104-119	5	19
122	Re-use of agricultural wastes for the removal and recovery of Zr(IV) from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 59, 330-340	5.3	19
121	Fe ₃ O ₄ -GO composite as efficient heterogeneous photo-Fenton catalyst to degrade pesticides. <i>Materials Research Express</i> , 2019 , 6, 015608	1.7	19
120	Metallurgical Processing Strategies for Metals Recovery from Industrial Slags. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 201-231	3.1	19
119	Native, acidic pre-treated and composite clay efficiency for the adsorption of dicationic dye in aqueous medium. <i>Water Science and Technology</i> , 2017 , 75, 753-764	2.2	18
118	Unsymmetrically substituted benzimidazolium based Silver(I)-N-heterocyclic carbene complexes: Synthesis, characterization and in vitro anticancer study against human breast cancer and colon cancer. <i>Journal of Saudi Chemical Society</i> , 2019 , 23, 795-808	4.3	18
117	Bioanalytical evaluation of <i>Cinnamomum zeylanicum</i> essential oil. <i>Natural Product Research</i> , 2015 , 29, 1857-9	2.3	18
116	Solution growth of 3D MnO mesh comprising 1D nanofibres as a novel sensor for selective and sensitive detection of biomolecules. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 852-859	11.8	18
115	Facile synthesis of zero valent iron and photocatalytic application for the degradation of dyes. <i>Materials Research Express</i> , 2020 , 7, 015802	1.7	18
114	Sol-Gel Synthesis of Mesoporous Silica-Iron Composite: Kinetics, Equilibrium and Thermodynamics Studies for the Adsorption of Turquoise-Blue X-GB Dye. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 233-253	3.1	18
113	Continuous fixed bed removal of Novacron Orange P-2R using sugarcane bagasse: prediction of breakthrough curves. <i>Desalination and Water Treatment</i> , 2016 , 57, 12814-12821		17
112	Catalytic, Kinetic and Thermodynamic Characteristics of an Extracellular Lipase from <i>Penicillium notatum</i> . <i>Catalysis Letters</i> , 2017 , 147, 281-291	2.8	17
111	Decolourisation of direct dyes with manganese peroxidase from white rot basidiomycete <i>Ganoderma lucidum</i> -IBL-5. <i>Canadian Journal of Chemical Engineering</i> , 2009 , 87, 435-440	2.3	17

110	Synthesis of alkyl/aryl linked binuclear silver(I)-N-Heterocyclic carbene complexes and evaluation of their antimicrobial, hemolytic and thrombolytic potential. <i>Inorganic Chemistry Communication</i> , 2020 , 111, 107670	3.1	17
109	Solvent-Dependent Non-Linear Optical Properties of 5,5'-Disubstituted-2,2'-bipyridine Complexes of Ruthenium(II): A Quantum Chemical Perspective. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1502	1.2	16
108	Synthesis and characterization of waterborne polyurethane acrylate copolymers. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 488-493	2.8	16
107	Impact of Supercritical Fluid Extraction and Traditional Distillation on the Isolation of Aromatic Compounds from Cannabis indica and Cannabis sativa. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2017 , 20, 175-184	1.7	15
106	Laser ablation assisted preparation of MnO ₂ nanocolloids from waste battery cell powder: Evaluation of physico-chemical, electrical and biological properties. <i>Journal of Molecular Structure</i> , 2019 , 1191, 284-290	3.4	15
105	Response surface methodology approach for optimization of adsorption process for the removal of Indosol Yellow BG dye from aqueous solution by agricultural waste. <i>Desalination and Water Treatment</i> , 2016 , 57, 11773-11781		15
104	Study of the UV protective and antibacterial properties of aqueous polyurethane dispersions extended with low molecular weight chitosan. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 51-60	7.9	15
103	Improvement of performance behavior of cellulosic fiber with polyurethane acrylate copolymers. <i>Carbohydrate Polymers</i> , 2011 , 86, 928-935	10.3	15
102	Chemical modification results in hyperactivation and thermostabilization of Fusarium solani glucoamylase. <i>Canadian Journal of Microbiology</i> , 2007 , 53, 177-85	3.2	15
101	Sorption of uranium(VI) by Trapa bispinosa from aqueous solution: effect of pretreatments and modeling studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 11121-11132		14
100	Purification, Kinetic, and Thermodynamic Characteristics of an Exo-polygalacturonase from Penicillium notatum with Industrial Perspective. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 426-443	3.23	14
99	Removal of zirconium from aqueous solution by Ganoderma lucidum: biosorption and bioremediation studies. <i>Desalination and Water Treatment</i> , 2015 , 53, 195-205		14
98	Volumetric and acoustical behaviour of sodium saccharin in aqueous system over temperature range (20.0-45.0)°C. <i>Food Chemistry</i> , 2015 , 173, 551-6	8.5	14
97	Synthesis of aryl linked binuclear silver N-heterocyclic carbene complexes, DNA interaction study and biological potentials. <i>Inorganic Chemistry Communication</i> , 2020 , 119, 108077	3.1	14
96	Adsorptive removal of Drimarine Red HF-3D dye from aqueous solution using low-cost agricultural waste: batch and column study. <i>Chemistry and Ecology</i> , 2014 , 30, 376-392	2.3	14
95	BoxBehnken design optimization for the removal of Direct Violet 51 dye from aqueous solution using lignocellulosic waste. <i>Desalination and Water Treatment</i> , 2015 , 56, 2425-2437		14
94	Utilization of Mentha arvensis waste biomass for the removal of Pb(II) and Co(II) from aqueous solutions. <i>Desalination and Water Treatment</i> , 2013 , 51, 3335-3343		14
93	Increased Oral Bioavailability of Piperine from an Optimized Piper nigrum Nanosuspension. <i>Planta Medica</i> , 2019 , 85, 249-257	3.1	14

92	Sequestering of uranium (VI) onto eucalyptus bark: kinetic, equilibrium and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 14578-14589		13
91	Therapeutic applications of selenium-derived compounds. <i>Reviews in Inorganic Chemistry</i> , 2018 , 38, 49-76.4		13
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