

Haq Nawaz Bhatti

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5003147/haq-nawaz-bhatti-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Investigation of the adsorption properties of gemcitabine anticancer drug with metal-doped boron nitride fullerenes as a drug-delivery carrier: a DFT study.. <i>RSC Advances</i> , 2022 , 12, 2873-2887	3.7	5
234	Ultrathin 2D bismuth oxychloride nanosheets as novel catalytic interfaces for detection of biomolecules. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022 , 278, 115651	3.1	
233	CQD/TiO ₂ nanocomposite photocatalyst for efficient visible light-driven purification of wastewater containing methyl orange dye. <i>Materials Chemistry and Physics</i> , 2022 , 278, 125583	4.4	0
232	Eucalyptus (camaldulensis) bark-based composites for efficient Basic Blue 41 dye biosorption from aqueous stream: Kinetics, isothermal, and thermodynamic studies. <i>Surfaces and Interfaces</i> , 2022 , 101897	4.1	3
231	Kinetics of acid blue 40 dye degradation under solar light in the presence of CuO nanoparticles synthesized using Citrullus lanatus seeds extract. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022 , 236, 583-594	3.1	1
230	Iron oxide nanoparticles immobilized Aspergillus flavus manganese peroxidase with improved biocatalytic, kinetic, thermodynamic, and dye degradation potentialities. <i>Process Biochemistry</i> , 2022 , 117, 117-133	4.8	0
229	Poly(Vinyl Alcohol) (PVA)-Based Treatment Technologies in the Remediation of Dye-Containing Textile Wastewater. <i>Sustainable Textiles</i> , 2022 , 1-21	1.1	
228	Microbial Lipases for Polyester Degradation. <i>Microorganisms for Sustainability</i> , 2022 , 71-92	1.1	
227	Kinetic and thermodynamic studies for evaluation of adsorption capacity of fungal dead biomass for direct dye. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021 , 235, 1077-1097	3.1	6
226	Chemically modified sugarcane bagasse-based biocomposites for efficient removal of acid red 1 dye: Kinetics, isotherms, thermodynamics, and desorption studies. <i>Chemosphere</i> , 2021 , 132796	8.4	10
225	A Facile Approach for the Synthesis of SrTiO ₃ /g-C ₃ N ₄ Photo-catalyst and its Efficacy in Biodiesel Production. <i>ChemistrySelect</i> , 2021 , 6, 12082-12093	1.8	1
224	A Novel Heterogeneous Superoxide Support-Coated Catalyst for Production of Biodiesel from Roasted and Unroasted Sinapis arvensis Seed Oil. <i>Catalysts</i> , 2021 , 11, 1421	4	1
223	A Novel Combined Treatment Process of Hybrid Biosorbent Nanofiltration for Effective Pb(II) Removal from Wastewater. <i>Water (Switzerland)</i> , 2021 , 13, 3316	3	0
222	Statistically Optimized Production of Saccharides Stabilized Silver Nanoparticles Using Liquid-Plasma Reduction Approach for Antibacterial Treatment of Water. <i>Materials</i> , 2021 , 14,	3.5	1
221	Penicillium fellutanum lipase as a green and ecofriendly biocatalyst for depolymerization of poly (ε-caprolactone): Biochemical, kinetic, and thermodynamic investigations. <i>Biotechnology and Applied Biochemistry</i> , 2021 ,	2.8	1
220	Kinetics and Equilibrium of Radioactive Metal Adsorption onto Sugarcane Bagasse Waste: Comparison of Batch and Column Adsorption Modes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021 , 235, 281-294	3.1	1
219	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

218 Enzymatic Biofuel Cells **2021**, 97-121

217 Barbecued desi chicken: an investigation on the impact of polluted milieu upon formation and ingestion of polycyclic aromatic hydrocarbons (PAHs) in commercial versus laboratory barbecued organs along with stochastic cancer risk assessments in people from an industrial district of Punjab, *Public Health Nutrition*, **2021**, 22, 1816-1828 5.1 1

216 Synthesis, biological efficiency evaluation and application of sodium alginate-based polyurethane dispersions using cycloaliphatic isocyanate, as antibacterial textile coating. *Journal of Industrial Textiles*, **2021**, 50, 1625-1642 1.6 0

215 Cellulosic biomass biocomposites with polyaniline, polypyrrole and sodium alginate: Insecticide adsorption-desorption, equilibrium and kinetics studies. *Arabian Journal of Chemistry*, **2021**, 14, 103227 5.9 6

214 Adsorptive removal of reactive green 5 (RG-5) and direct yellow 50 (DY-50) from simulated wastewater by *Mangifera indica* seed shell and its magnetic composite: Batch and Column study. *Environmental Technology and Innovation*, **2021**, 23, 101685 7 10

213 Treatment of textile wastewater containing acid dye using novel polymeric graphene oxide nanocomposites (GO/PAN,GO/PPy, GO/PSty). *Journal of Materials Research and Technology*, **2021**, 14, 25-35 5.5 13

212 Solar driven photocatalytic degradation potential of novel graphitic carbon nitride based nano zero-valent iron doped bismuth ferrite ternary composite. *Optical Materials*, **2021**, 120, 111408 3.3 11

211 Azolium mediated NHeterocyclic carbene selenium adducts: Synthesis, cytotoxicity and molecular docking studies. *Journal of Molecular Structure*, **2021**, 1241, 130701 3.4 3

210 Silver-doped ternary compounds for wastewater remediation **2021**, 623-653 1

209 Enhancing Lipase Biosynthesis by *Aspergillus Melleus* and its Biocatalytic Potential for Degradation of Polyester Vylon-200. *Catalysis Letters*, **2021**, 151, 2257 2.8 2

208 Synthesis of aryl linked binuclear silver N-heterocyclic carbene complexes, DNA interaction study and biological potentials. *Inorganic Chemistry Communication*, **2020**, 119, 108077 3.1 14

207 Green synthesis, characterization and photocatalytic applications of silver nanoparticles using *Diospyros lotus*. *Green Processing and Synthesis*, **2020**, 9, 87-96 3.9 28

206 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 7.9 49

205 Raman spectral characterization of silver metal-based complexes of different benzimidazolium ligands. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 232, 118162 4.4 5

204 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 7.9 125

203 Polypyrrole, polyaniline and sodium alginate biocomposites and adsorption-desorption efficiency for imidacloprid insecticide. *International Journal of Biological Macromolecules*, **2020**, 147, 217-232 7.9 50

202 Synthesis, Structure, and Anticancer Activity of Symmetrical and Non-symmetrical Silver(I)-N-Heterocyclic Carbene Complexes. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1171-1189 3.2 10

201 Production, thermodynamic characterization, and fruit juice quality improvement characteristics of an Exo-polygalacturonase from *Penicillium janczewskii*. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140379 4 19

200	Synthesis of sandwich type acyclic tetra-nuclear silver(I)-N-heterocyclic carbene complexes for wound healing applications. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2020 , 75, 369-376	1.7	2
199	In-situ approach for the synthesis of bromide-bridged mercury(II) N-heterocyclic carbene complexes. <i>Journal of Coordination Chemistry</i> , 2020 , 73, 1377-1388	1.6	1
198	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
197	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
196	Kinetic Study of Degradation of Basic Turquoise Blue X-GB and Basic Blue X-GRRL using Advanced Oxidation Process. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 1803-1817	3.1	11
195	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
194	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
193	Raman spectroscopy along with Principal Component Analysis for the confirmation of Silver(I)-N-heterocyclic carbene complex formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117851	4.4	5
192	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
191	Bioactivity and DNA/BSA Interactions of Selenium N-Heterocyclic Carbene Adducts. <i>ChemistrySelect</i> , 2020 , 5, 10970-10981	1.8	6
190	Synthesis of needle like Mn-Zn bimetallic nanoparticles and its applications towards photocatalysis and as fuel additives. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-16	1.8	1
189	A method for determination of acetaldehyde in bottled waters and the effect of time and temperature on concentrations. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 100, 55-64	1.8	
188	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
187	Metallurgical Processing Strategies for Metals Recovery from Industrial Slags. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 201-231	3.1	19
186	Assessment on the mechanical, structural, and thermal attributes of green graphene-based water soluble polymer electrolyte composites. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48376	2.9	1
185	Replacement of sodium alginate polymer, urea and sodium bicarbonate in the conventional reactive printing of cellulosic cotton. <i>Journal of Polymer Engineering</i> , 2019 , 39, 661-670	1.4	2
184	Spectroscopic studies of interactions of 2-(2-Oxo-2-Phenylethyl)-1, 2-benzisothiazol-3(2H)-one-1, 1-dioxide with human DNA. <i>Journal of Molecular Structure</i> , 2019 , 1196, 403-408	3.4	0
183	Green synthesis of selenium-N-heterocyclic carbene compounds: Evaluation of antimicrobial and anticancer potential. <i>Bioorganic Chemistry</i> , 2019 , 90, 103042	5.1	20

182	Effect of ring substitution on synthesis of benzimidazolium salts and their silver(I) complexes: characterization, electrochemical studies and evaluation of anticancer potential. <i>Transition Metal Chemistry</i> , 2019 , 44, 431-443	2.1	12
181	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
180	Impact of soft segment size on physicochemical and antimicrobial properties of waterborne polyurethane dispersions for textile applications. <i>Progress in Organic Coatings</i> , 2019 , 133, 174-179	4.8	11
179	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
178	A robust approach towards green synthesis of polyaniline-Scenedesmus biocomposite for wastewater treatment applications. <i>Materials Research Express</i> , 2019 , 6, 055308	1.7	24
177	4-Acetamidophenol Binding Mechanism with DNA by UV-Vis and FTIR Techniques Based on Binding Energy, LUMO and HOMO Orbitals and Geometry of Molecule. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019 , 233, 1645-1657	3.1	2
176	Role of Green and Integrated Chemistry in Sustainable Metallurgy 2019 , 325-342		
175	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
174	Nanobiotechnology: Applications of Nanomaterials in Biological Research 2019 , 581-615		4
173	Decolorization of Basic Turquoise Blue X-GB and Basic Blue X-GRRL by the Fenton's Process and its Kinetics. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019 , 233, 361-373	3.1	53
172	A comprehensive thermodynamic and kinetic study of synthesized rGO-ZrO ₂ composite as a photocatalyst and its use as fuel additive. <i>Journal of Molecular Structure</i> , 2019 , 1198, 126869	3.4	8
171	Fenton and Photo-Fenton Oxidation for the Remediation of Textile Effluents: An Experimental Study 2019 , 235-251		3
170	Polynuclear Ag(I)-N-heterocyclic carbene complexes: synthesis, electrochemical and in vitro anticancer study against human breast cancer and colon cancer. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 2065-2079	1.6	9
169	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
168	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
167	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
166	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
165	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

164	Increased Oral Bioavailability of Piperine from an Optimized Piper nigrum Nanosuspension. <i>Planta Medica</i> , 2019 , 85, 249-257	3.1	14
163	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
162	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
161	Optimization of process variables for enhanced production of extracellular lipase by <i>Pleurotus ostreatus</i> IBL-02 in solid-state fermentation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019 , 32, 617-624	0.4	3
160	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
159	Dyes adsorption using clay and modified clay: A review. <i>Journal of Molecular Liquids</i> , 2018 , 256, 395-407	6	405
158	Escalation of liver malfunctioning: A step toward Herbal Awareness. <i>Journal of Ethnopharmacology</i> , 2018 , 216, 104-119	5	19
157	Synthesis and Characterization of Aqueous Chitosan-polyurethanes Dispersion for Textile Applications with Multipurpose Performance Profile. <i>Fibers and Polymers</i> , 2018 , 19, 587-598	2	10
156	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
155	Therapeutic applications of selenium-derived compounds. <i>Reviews in Inorganic Chemistry</i> , 2018 , 38, 49-76	4	13
154	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
153	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
152	Evaluation of mustard oil for the synthesis of biodiesel: Pretreatment and optimization study. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1829-1835	2.5	12
151	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
150	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
149	Uranium remediation using modified <i>Vigna radiata</i> waste biomass. <i>Applied Radiation and Isotopes</i> , 2017 , 123, 94-101	1.7	54
148	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
147	Impact of Supercritical Fluid Extraction and Traditional Distillation on the Isolation of Aromatic Compounds from <i>Cannabis indica</i> and <i>Cannabis sativa</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2017 , 20, 175-184	1.7	15

146	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
145	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
144	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
143	Synthesis, Characterization, and Application Studies of Polyurethane Acrylate Thermoset Coatings: Effect of Hard Segment. <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 1608-1618		10
142	Basic Dye Adsorption onto Clay/MnFeO Composite: A Mechanistic Study. <i>Water Environment Research</i> , 2017 , 89, 301-311	2.8	49
141	Purification, Kinetic, and Thermodynamic Characteristics of an Exo-polygalacturonase from <i>Penicillium notatum</i> with Industrial Perspective. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 426-443	2.2	14
140	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
139	Agro-Industrial Wastes Composites as Novel Adsorbents 2017 , 391-431		
138	Microbial Diversity as a Tool for Wastewater Treatment 2017 , 171-221		0
137	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
136	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
135	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
134	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
133	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
132	By-product identification and phytotoxicity of biodegraded Direct Yellow 4 dye. <i>Chemosphere</i> , 2017 , 169, 474-484	8.4	77
131	Bio-Reclamation of Strategic and Energy Critical Metals from Secondary Resources. <i>Metals</i> , 2017 , 7, 207	2.3	32
130	Removal of Actacid Orange-RL Dye Using Biocomposites: Modeling Studies. <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 2125-2134	2.3	36
129	Enhanced Removal of Golden XGL Dye by Clay Composites: Batch and Column Studies. <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 2113-2123	2.3	10

128	Sequestering of uranium (VI) onto eucalyptus bark: kinetic, equilibrium and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 14578-14589		13
127	Sorption of uranium(VI) by <i>Trapa bispinosa</i> from aqueous solution: effect of pretreatments and modeling studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 11121-11132		14
126	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
125	Biosorption of Mn(II) by ripped <i>Citrus paradisi</i> pulp waste. <i>Desalination and Water Treatment</i> , 2016 , 57, 6574-6581		
124	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
123	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
122	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
121	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
120	REMOVAL AND RECOVERY OF Al(III) AND Cr(VI) FROM AQUEOUS SOLUTION BY WASTE BLACK TEA. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 809-816	0.6	5
119	Cross-linked enzyme aggregates (CLEAs) of <i>Pencillium 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
118	Synthesis, characterization and application of wheat bran/zinc aluminium and tea leaves waste/zinc aluminium biocomposites: kinetics and thermodynamics modeling. <i>Desalination and Water Treatment</i> , 2016 , 57, 25532-25541		6
117	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
116	Direct dye biosorption by immobilized barley husk. <i>Desalination and Water Treatment</i> , 2016 , 57, 9263-9271		7
115	<i>Eriobotrya japonica</i> 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
114	Solar Red and Brittle Blue direct dyes adsorption onto <i>Eucalyptus angophoroides</i> bark: Equilibrium, kinetics and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2431-2439	6.8	128
113	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
112	Removal of COD from real textile effluents using agro-industrial wastes. <i>Desalination and Water Treatment</i> , 2015 , 53, 2585-2592		8
111	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

110	Solvent-Dependent Non-Linear Optical Properties of 5,5ʹ-Disubstituted-2,2ʹ-bipyridine Complexes of Ruthenium(II): A Quantum Chemical Perspective. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1502	1.2	16
109	Adsorptive removal of direct dyes by PEI-treated peanut husk biomass: BoxBehnken experimental design. <i>Chemistry and Ecology</i> , 2015 , 31, 252-264	2.3	21
108	Bioanalytical evaluation of Cinnamomum zeylanicum essential oil. <i>Natural Product Research</i> , 2015 , 29, 1857-9	2.3	18
107	Removal of zirconium from aqueous solution by Ganoderma lucidum: biosorption and bioremediation studies. <i>Desalination and Water Treatment</i> , 2015 , 53, 195-205		14
106	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
105	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
104	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
103	Production and Thermal Characterization of an Alkaline Pectin Lyase from Penicillium notatum. <i>International Journal of Food Engineering</i> , 2015 , 11, 517-525	1.9	1
102	Equilibrium and kinetic modeling for the removal of Turquoise Blue PG dye from aqueous solution by a low-cost agro waste. <i>Desalination and Water Treatment</i> , 2015 , 55, 1934-1944		13
101	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
100	Statistical optimization for enhanced decolorization of Golden Yellow PRA by Citrus reticulata var. kinnow peroxidase and phytotoxicity evaluation of its degraded products. <i>Desalination and Water Treatment</i> , 2015 , 1-14		
99	Remediation of Pb(II) using Pleurotus sajor-caju isolated from metal-contaminated site. <i>Desalination and Water Treatment</i> , 2015 , 56, 2532-2542		3
98	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
97	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
96	Acoustical behavior of some amino acids in aqueous disodium citrate solutions over temperature range (298.15-313.15) K. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015 , 28, 1613-7	0.4	
95	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
94	Biotransformations of diterpenoids and triterpenoids: a review. <i>Journal of Asian Natural Products Research</i> , 2014 , 16, 70-104	1.5	22
93	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

92	Equilibrium modeling for adsorptive removal of Indosol Black NF dye by low-cost agro-industrial waste: batch and continuous study. <i>Desalination and Water Treatment</i> , 2014 , 52, 4492-4507		6
91	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
90	Biotransformation of monoterpenoids and their antimicrobial activities. <i>Phytomedicine</i> , 2014 , 21, 1597-626		36
89	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
88	Efficiency of Advanced Oxidation Processes for Detoxification of Industrial Effluents. <i>Asian Journal of Chemistry</i> , 2014 , 26, 4291-4296	0.4	29
87	Antioxidant and Antifungal Activities of Some Agro Wastes and Their Phenolic Acid Profile. <i>Asian Journal of Chemistry</i> , 2014 , 26, 1225-1231	0.4	2
86	Biosorption of Drimarine Blue HF-RL using raw, pretreated, and immobilized peanut hulls. <i>Desalination and Water Treatment</i> , 2014 , 52, 7339-7353		4
85	Structural variation in soft segment of waterborne polyurethane acrylate nanoemulsions. <i>Journal of Applied Polymer Science</i> , 2014 , 132, n/a-n/a	2.9	6
84	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
83	Spectral and thermodynamic properties for the exciplexes of N-alkyl carbazoles with dicyanobenzenes in THF. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 138-45	4.4	2
82	Prediction of optimum equilibrium and kinetic models for U(VI) sorption onto rice husk: comparison of linear and nonlinear regression methods. <i>Desalination and Water Treatment</i> , 2014 , 52, 1495-1503		2
81	Removal of uranium(VI) from aqueous solutions using Eucalyptus citriodora distillation sludge. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 813-822	3.3	44
80	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
79	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
78	Evaluation of carrier added and no carrier added 90Y-EDTMP as bone seeking therapeutic radiopharmaceutical. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014 , 27, 813-8	0.4	2
77	Mechanistic study of a diazo dye degradation by Soybean Peroxidase. <i>Chemistry Central Journal</i> , 2013 , 7, 93		40
76	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
75	Synthesis and characterization of waterborne polyurethane acrylate copolymers. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 488-493	2.8	16

74	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
73	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
72	Utilization of <i>Mentha arvensis</i> 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
71	A DETAILED INVESTIGATION ON ENGINEERING PARAMETERS FOR Cd(II) REMOVAL BY RIPPED CITRUS PARADISI PULP WASTE. <i>Journal of the Chilean Chemical Society</i> , 2013 , 58, 2172-2176	2.5	3
70	Hyperproduction of Manganese Peroxidase through Chemical Mutagenesis of <i>Trametes versicolor</i> IBL-04 and Optimization of Process Parameters. <i>BioResources</i> , 2013 , 8,	1.3	6
69	Adsorptive Removal of Methylene Blue by Low-Cost <i>Citrus sinensis</i> Bagasse: Equilibrium, Kinetic and Thermodynamic Characterization. <i>Arabian Journal for Science and Engineering</i> , 2012 , 37, 9-18		33
68	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
67	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
66	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
65	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
64	Biological transformations of steroidal compounds: a review. <i>Steroids</i> , 2012 , 77, 1267-90	2.8	112
63	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
62	Enhanced biodecolorization of reactive dyes by basidiomycetes under static conditions. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 2078-90	3.2	8
61	Modification of cellulosic fiber with polyurethane acrylate copolymers. Part I: Physicochemical properties. <i>Carbohydrate Polymers</i> , 2012 , 87, 397-404	10.3	44
60	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
59	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
58	Improvement of performance behavior of cellulosic fiber with polyurethane acrylate copolymers. <i>Carbohydrate Polymers</i> , 2011 , 86, 928-935	10.3	15
57	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

56	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
55	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
54	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
53	Phanerochaete chrysosporium IBL-03 secretes high titers of manganese peroxidase during decolorization of Drimarine Blue K2RL textile dye. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 1239-46	2.6	9
52	Removal of lead and cobalt using lignocellulosic fiber derived from Citrus reticulata waste biomass 2011 , 27, 218		
51	Leaching of metal ions from black shale by organic acids produced by Aspergillus niger. <i>Applied Clay Science</i> , 2010 , 47, 356-361	5.2	50
50	Decolorization of dye-containing textile industry effluents using Ganoderma lucidum IBL-05 in still cultures. <i>Water Environment Research</i> , 2010 , 82, 357-61	2.8	11
49	Aflatoxin B1 in chilies from the Punjab region, Pakistan. <i>Mycotoxin Research</i> , 2010 , 26, 205-9	4	39
48	Removal of lead and cobalt using lignocellulosic fiber derived from Citrus reticulata waste biomass. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 218-227	2.8	45
47	Enhanced bioleaching of metals from black shale using ultrasonics. <i>Hydrometallurgy</i> , 2010 , 100, 122-128	4	34
46	Column bioleaching of metals from electronic scrap. <i>Hydrometallurgy</i> , 2010 , 101, 135-140	4	159
45	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
44	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
43	Decolourisation of direct dyes with manganese peroxidase from white rot basidiomycete Ganoderma lucidum-IBL-5. <i>Canadian Journal of Chemical Engineering</i> , 2009 , 87, 435-440	2.3	17
42	XRD studies of polyurethane elastomers based on chitin/1,4-butane diol blends. <i>Carbohydrate Polymers</i> , 2009 , 76, 183-187	10.3	71
41	Dynamic biosorption of Zn(II) and Cu(II) using pretreated Rosa gruss an teplitz (red rose) distillation sludge. <i>Chemical Engineering Journal</i> , 2009 , 148, 434-443	14.7	92
40	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
39	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

38	Removal and recovery of Cu(II) and Zn(II) using immobilized <i>Mentha arvensis</i> distillation waste biomass. <i>Ecological Engineering</i> , 2009 , 35, 1427-1434	3.9	53
37	Decolorization of practical textile industry effluents by white rot fungus <i>Coriolus versicolor</i> IBL-04. <i>Biochemical Engineering Journal</i> , 2009 , 47, 61-65	4.2	54
36	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
35	Essential oil composition of commercial black tea (<i>Camellia sinensis</i>). <i>International Journal of Food Science and Technology</i> , 2008 , 43, 346-350	3.8	2
34	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
33	Enhanced Removal of Cu(II) and Pb(II) from Aqueous Solutions by Pretreated Biomass of <i>Fusarium Solani</i> . <i>Journal of the Chinese Chemical Society</i> , 2008 , 55, 1235-1242	1.5	8
32	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
31	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
30	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
29	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
28	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
27	Molecular engineering and properties of chitin based shape memory polyurethanes. <i>Carbohydrate Polymers</i> , 2008 , 74, 621-626	10.3	68
26	Biodiesel production from waste tallow. <i>Fuel</i> , 2008 , 87, 2961-2966	7.1	245
25	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
24	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
23	Purification and characterization of a novel glucoamylase from <i>Fusarium solani</i> . <i>Food Chemistry</i> , 2007 , 103, 338-343	8.5	27
22	Ni(II) biosorption by <i>Cassia fistula</i> (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007 , 139, 345-55	12.8	183
21	Kinetic studies for Ni(II) biosorption from industrial wastewater by <i>Cassia fistula</i> (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007 , 145, 501-5	12.8	56

20	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
19	Methods for polyurethane and polyurethane composites, recycling and recovery: A review. <i>Reactive and Functional Polymers</i> , 2007 , 67, 675-692	4.6	417
18	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
17	Effect of aniline coupling on kinetic and thermodynamic properties of <i>Fusarium solani</i> glucoamylase. <i>Applied Microbiology and Biotechnology</i> , 2007 , 73, 1290-8	5.7	9
16	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
15	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. <i>Biodegradation</i> , 2007 , 18, 311-6	4.1	50
14	Chemical modification results in hyperactivation and thermostabilization of <i>Fusarium solani</i> glucoamylase. <i>Canadian Journal of Microbiology</i> , 2007 , 53, 177-85	3.2	15
13	Purification and thermal characterization of a novel peroxidase from a local chick pea cultivar. <i>Protein and Peptide Letters</i> , 2006 , 13, 799-804	1.9	13
12	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
11	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
10	Determination of Metabolite of Aspirin (Salicylic Acid) by Colorimetric Method in Human Urine. <i>Pakistan Journal of Biological Sciences</i> , 2006 , 9, 1004-1008	0.8	2
9	Urinary Excretion of Acetylsalicylic Acid in Healthy Male Volunteers. <i>Pakistan Journal of Biological Sciences</i> , 2003 , 6, 1413-1415	0.8	1
8	Pharmacokinetic Study of Aspirin in Healthy Female Volunteers. <i>Pakistan Journal of Biological Sciences</i> , 2003 , 6, 1404-1407	0.8	0
7	Urinary Excretion of Acetylsalicylic Acid in Female Volunteers. <i>Pakistan Journal of Biological Sciences</i> , 2003 , 6, 1490-1493	0.8	
6	Optimization of Lipase Production by Response Surface Methodology and Its Application for Efficient Biodegradation of Polyester vylon-200. <i>Catalysis Letters</i> ,1	2.8	4
5	Recovery of high-value bioactive phytochemicals from agro-waste of mango (<i>Mangifera indica</i> L.) using enzyme-assisted ultrasound pretreated extraction. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	7
4	Ultrasound-assisted deep eutectic solventBased extraction of phytochemicals from <i>Mentha arvensis</i> : optimization using Box-Behnken design. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	2
3	Adsorptive removal of 2, 4, 6-trichloro-phenol from wastewater by mango seed shell and its magnetic composites: batch and column study. <i>International Journal of Environmental Analytical Chemistry</i> ,1-21	1.8	0

2	Exo-polygalacturonase production from agro-waste by <i>Penicillium fellutanum</i> and insight into thermodynamic, kinetic, and fruit juice clarification. <i>Biomass Conversion and Biorefinery</i> ,1	2,3	1
1	Immobilization, biochemical, thermodynamic, and fruit juice clarification properties of lignocellulosic biomass-derived exo-polygalacturonase from <i>Penicillium paxilli</i> . <i>Biomass Conversion and Biorefinery</i> ,1	2,3	0