

# Gordon McKay

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197  
papers

7,794  
citations

50  
h-index

80  
g-index

203  
ext. papers

9,430  
ext. citations

6.3  
avg, IF

6.91  
L-index

#	Paper	IF	Citations
197	A review on prominent animal and municipal wastes as potential feedstocks for solar pyrolysis for biochar production. <i>Fuel</i> , <b>2022</b> , 316, 123378	7.1	4
196	Bio-methanol production from palm wastes steam gasification with application of CaO for CO <sub>2</sub> capture: Sensitivity and techno-economic-environmental analysis. <i>Journal of Cleaner Production</i> , <b>2022</b> , 130849	10.3	3
195	Optimum landfill site selection by a hybrid multi-criteria and multi-Agent decision-making method in a temperate and humid climate: BWM-GIS-FAHP-GT. <i>Sustainable Cities and Society</i> , <b>2022</b> , 79, 103641	10.1	3
194	Adsorbent Minimization for Removal of Ibuprofen from Water in a Two-Stage Batch Process. <i>Processes</i> , <b>2022</b> , 10, 453	2.9	0
193	A critical review on co-gasification and co-pyrolysis for gas production. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 161, 112349	16.2	5
192	Dye removal using biochars <b>2022</b> , 429-471		
191	A Review of the Removal of Dyestuffs from Effluents onto Biochar. <i>Separations</i> , <b>2022</b> , 9, 139	3.1	0
190	Kinetic and thermodynamic investigations of surfactants adsorption from water by carbide-derived carbon. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2021</b> , 56, 1206-1220	2.3	2
189	Efficient sonophotocatalytic degradation of acid blue 113 dye using a hybrid nanocomposite of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles loaded on multi-walled carbon nanotubes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 424, 113617	4.7	15
188	The impact of pyrolysis conditions on orange peel biochar physicochemical properties for sandy soil. <i>Waste Management and Research</i> , <b>2021</b> , 39, 995-1004	4	6
187	A state of the art review on phosphate removal from water by biochars. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 128211	14.7	44
186	Thermal degradation characteristics and gasification kinetics of camel manure using thermogravimetric analysis. <i>Journal of Environmental Management</i> , <b>2021</b> , 287, 112345	7.9	19
185	Novel approach for rapid oil/water separation through superhydrophobic/ superoleophilic zinc stearate coated polyurethane sponges. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 618, 126395	5.1	8
184	Review of phosphate removal from water by carbonaceous sorbents. <i>Journal of Environmental Management</i> , <b>2021</b> , 287, 112245	7.9	17
183	Recent developments on sewage sludge pyrolysis and its kinetics: Resources recovery, thermogravimetric platforms, and innovative prospects. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 150, 107325	4	21
182	The evolving trends of landfill leachate treatment research over the past 45 years. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 66556-66574	5.1	3
181	Selectivity and competition in the chemical oxidation processes for a binary pharmaceutical system in treated sewage effluent. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142704	10.2	6

180	Sorption as a rapidly response for oil spill accidents: A material and mechanistic approach. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124842	12.8	21
179	Novel model analysis for multimechanistic adsorption processes: Case study: Cadmium on nanochitosan. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 117925	8.3	3
178	Utilization of MWCNTs/AlO as adsorbent for ciprofloxacin removal: equilibrium, kinetics and thermodynamic studies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2021</b> , 56, 324-333	2.3	10
177	Techno-economic evaluation of sorption enhanced steam gasification of PKS system for syngas using CaO for CO <sub>2</sub> capture. <i>Computer Aided Chemical Engineering</i> , <b>2021</b> , 50, 129-134	0.6	0
176	Pyrolysis Study of Different Fruit Wastes Using an Aspen Plus Model. <i>Frontiers in Sustainable Food Systems</i> , <b>2021</b> , 5,	4.8	8
175	Removal of toxic cadmium using a binary site ion-exchange material derived from waste printed circuit boards. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 3282	3.5	0
174	Catalytic deoxygenation of palm oil and its residue in green diesel production: A current technological review. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 174, 158-187	5.5	11
173	Removal of phenols and dyes from aqueous solutions using graphene and graphene composite adsorption: A review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105858	6.8	10
172	Thermal degradation characteristics and kinetic study of camel manure pyrolysis. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106071	6.8	13
171	Potential of drop-in biofuel production from camel manure by hydrothermal liquefaction and biocrude upgrading: A Qatar case study. <i>Energy</i> , <b>2021</b> , 232, 121027	7.9	6
170	Minimizing adsorbent requirements using multi-stage batch adsorption for malachite green removal using microwave date-stone activated carbons. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 167, 108318	3.7	15
169	A comprehensive review of biomass based thermochemical conversion technologies integrated with CO <sub>2</sub> capture and utilisation within BECCS networks. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 173, 105734	11.9	20
168	Char Products From Bamboo Waste Pyrolysis and Acid Activation. <i>Frontiers in Materials</i> , <b>2021</b> , 7,	4	3
167	Optimization of process and properties of biochar from cabbage waste by response surface methodology. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	5
166	A state of the art review on biomass processing and conversion technologies to produce hydrogen and its recovery via membrane separation. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 15166-15195	6.7	57
165	Phosphate removal from synthetic and treated sewage effluent by carbide derive carbon. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 36, 101323	6.7	17
164	Ozone and ozone/hydrogen peroxide treatment to remove gemfibrozil and ibuprofen from treated sewage effluent: Factors influencing bromate formation. <i>Emerging Contaminants</i> , <b>2020</b> , 6, 225-234	5.8	22
163	Active Carbon from Microwave Date Stones for Toxic Dye Removal: Setting the Design Capacity. <i>Chemical Engineering and Technology</i> , <b>2020</b> , 43, 1841-1849	2	6

162	Two-stage optimization of Allura direct red dye removal by treated peanut hull waste. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	10
161	Recent Advances in Applications of Hybrid Graphene Materials for Metals Removal from Wastewater. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	35
160	Environmental Impact Assessment of Food Waste Management Using Two Composting Techniques. <i>Sustainability</i> , <b>2020</b> , 12, 1595	3.6	35
159	A comparison of steam and oxygen fed biomass gasification through a techno-economic-environmental study. <i>Energy Conversion and Management</i> , <b>2020</b> , 208, 112612	10.6	44
158	Biomass-based integrated gasification combined cycle with post-combustion CO <sub>2</sub> recovery by potassium carbonate: Techno-economic and environmental analysis. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 135, 106758	4	22
157	Current scenario and challenges in adsorption for water treatment. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103988	6.8	126
156	Influence of co-existing cations and anions on removal of direct red 89 dye from synthetic wastewater by hydrodynamic cavitation process: An empirical modeling. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 67, 105133	8.9	9
155	A review of the application of adsorbents for landfill leachate treatment: Focus on magnetic adsorption. <i>Science of the Total Environment</i> , <b>2020</b> , 731, 138863	10.2	55
154	A critical review on the influence of process parameters in catalytic co-gasification: Current performance and challenges for a future prospectus. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 134, 110382	16.2	17
153	Techno-economic and sensitivity analysis of coconut coir pith-biomass gasification using ASPEN PLUS. <i>Applied Energy</i> , <b>2020</b> , 261, 114350	10.7	40
152	Novel bioadsorbents based on date pits for organophosphorus pesticide remediation from water. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103593	6.8	21
151	Kinetics Study on Removal of Cadmium from Wastewater. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 48, 397-402	0.6	
150	Thermogravimetric Analysis of Individual Food Waste Items and their Blends for Biochar Production. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 48, 1543-1548	0.6	4
149	Development of a Computational Intelligence Framework for the Strategic Design and Implementation of Large-scale Biomass Supply Chains. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 48, 1627-1632	0.6	0
148	Optimising Multi Biomass Feedstock Utilisation Considering a Multi Technology Approach. <i>Computer Aided Chemical Engineering</i> , <b>2020</b> , 1633-1638	0.6	3
147	Performance investigation of multiwall carbon nanotubes based water/oil nanofluids for high pressure and high temperature solar thermal technologies for sustainable energy systems. <i>Energy Conversion and Management</i> , <b>2020</b> , 225, 113453	10.6	14
146	Carbide Derived Carbon (CDC) as novel adsorbent for ibuprofen removal from synthetic water and treated sewage effluent. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2020</b> , 18, 1375-1390	2.9	12
145	Photocatalytic removal of 2,4-Dichlorophenoxyacetic acid from aqueous solution using tungsten oxide doped zinc oxide nanoparticles immobilised on glass beads. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 1-15	2.6	4

144	Biochar from vegetable wastes: agro-environmental characterization. <i>Biochar</i> , <b>2020</b> , 2, 439-453	10	19
143	The Role of Nanofluids and Renewable Energy in the Development of Sustainable Desalination Systems: A Review. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2002	3	6
142	Investigation of biomass components on the slow pyrolysis products yield using Aspen Plus for techno-economic analysis. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	22
141	Preparation and characterization of modified rice husks by biological delignification and acetylation for oil spill cleanup. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 1980-1991	2.6	11
140	Production of syngas via gasification using optimum blends of biomass. <i>Journal of Cleaner Production</i> , <b>2020</b> , 242, 118499	10.3	90
139	Removal of cadmium from waters by adsorption using nanochitosan. <i>Energy and Environment</i> , <b>2020</b> , 31, 517-534	2.4	13
138	Adsorbent minimisation in a two-stage batch adsorber for cadmium removal. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 81, 153-160	6.3	11
137	Production and applications of activated carbons as adsorbents from olive stones. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 9, 775-802	2.3	154
136	Food waste from a university campus in the Middle East: Drivers, composition, and resource recovery potential. <i>Waste Management</i> , <b>2019</b> , 98, 14-20	8.6	27
135	Superstructure Optimization for the Production of Fuels, Fertilizers and Power using Biomass Gasification. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 301-306	0.6	15
134	Application of modified electrospun nanofiber membranes with FeO nanoparticles in arsenate removal from aqueous media. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 21993-22009	5.1	11
133	Removal of emulsified and dissolved diesel oil from high salinity wastewater by adsorption onto graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103106	6.8	28
132	Synthesis and Evaluation of Copper-Supported Titanium Oxide Nanotubes as Electrocatalyst for the Electrochemical Reduction of Carbon Oxide to Organics. <i>Catalysts</i> , <b>2019</b> , 9, 298	4	17
131	Application of cadmium-doped ZnO for the solar photocatalytic degradation of phenol. <i>Water Science and Technology</i> , <b>2019</b> , 79, 375-385	2.2	9
130	A techno-economic-environmental study evaluating the potential of oxygen-steam biomass gasification for the generation of value-added products. <i>Energy Conversion and Management</i> , <b>2019</b> , 196, 664-676	10.6	64
129	Arsenate removal from aqueous solutions using micellar-enhanced ultrafiltration. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2019</b> , 17, 115-127	2.9	6
128	Food waste to biochars through pyrolysis: A review. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 144, 310-320	11.9	150
127	Applying a Sustainability Metric in Energy, Water and Food Nexus Applications; A Biomass Utilization Case Study to Improve Investment Decisions. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 46, 205-210	0.6	9

126	Simulation of Food Waste Pyrolysis for the Production of Biochar: A Qatar Case Study. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 46, 901-906	0.6	12
125	A comparative optimization and performance analysis of four different electrocoagulation-flotation processes for humic acid removal from aqueous solutions. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 121, 103-117	5.5	25
124	Ion exchange homogeneous surface diffusion modelling by binary site resin for the removal of nickel ions from wastewater in fixed beds. <i>Chemical Engineering Journal</i> , <b>2019</b> , 358, 1-10	14.7	73
123	Equilibrium, Kinetic and Optimization Studies for the Adsorption of Tartrazine in Water onto Activated Carbon from Pecan Nut Shells. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	11
122	Evaluation of Pd Nanoparticle-Decorated CeO <sub>2</sub> -MWCNT Nanocomposite as an Electrocatalyst for Formic Acid Fuel Cells. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 2277-2289	1.9	8
121	A novel ANN approach for modeling of alternating pulse current electrocoagulation-flotation (APC-ECF) process: Humic acid removal from aqueous media. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 117, 111-124	5.5	19
120	Heavy metal adsorption using PAMAM/CNT nanocomposite from aqueous solution in batch and continuous fixed bed systems. <i>Chemical Engineering Journal</i> , <b>2018</b> , 346, 258-270	14.7	141
119	Removal of oil from oil/water emulsions using thermally reduced graphene and graphene nanoplatelets. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 137, 47-59	5.5	27
118	Adsorptive removal of fluoride from water by activated carbon derived from CaCl <sub>2</sub> -modified <i>Crocus sativus</i> leaves: Equilibrium adsorption isotherms, optimization, and influence of anions. <i>Chemical Engineering Communications</i> , <b>2018</b> , 205, 955-965	2.2	62
117	Adsorption/desorption of arsenite and arsenate on chitosan and nanochitosan. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 14734-14742	5.1	26
116	Fine tuning of process parameters for improving briquette production from palm kernel shell gasification waste. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 931-938	2.6	4
115	Steel-Making dust as a potential adsorbent for the removal of lead (II) from an aqueous solution. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 837-844	14.7	70
114	Optimum Utilization of Biomass for the Production of Power and Fuels using Gasification. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 1481-1486	0.6	23
113	Inorganic Membranes: Preparation and Application for Water Treatment and Desalination. <i>Materials</i> , <b>2018</b> , 11,	3.5	115
112	Removal of cobalt (II) ions from aqueous solutions utilizing the pre-treated <i>2-Hypnea Valentiae</i> algae: Equilibrium, thermodynamic, and dynamic studies. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 39-47	14.7	61
111	Production and application of a treated bentonite/chitosan composite for the efficient removal of humic acid from aqueous solution. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 140, 102-115	5.5	47
110	Critical review of solar thermal resources in GCC and application of nanofluids for development of efficient and cost effective CSP technologies. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 91, 708-719	16.2	19
109	Barium removal from synthetic natural and produced water using MXene as two dimensional (2-D) nanosheet adsorbent. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 331-342	14.7	136

108	Optimising batch adsorbers for the removal of zinc from effluents using a sodium diimidoacetate ion exchange resin. <i>Adsorption</i> , <b>2017</b> , 23, 477-489	2.6	8
107	Recent progress in layered double hydroxides (LDH)-containing hybrids as adsorbents for water remediation. <i>Applied Clay Science</i> , <b>2017</b> , 143, 279-292	5.2	265
106	Super high removal capacities of heavy metals (Pb and Cu) using CNT dendrimer. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 336, 146-157	12.8	116
105	Mechanistic study of atenolol, acebutolol and carbamazepine adsorption on waste biomass derived activated carbon. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 386-398	6	66
104	Environmental emission analysis of a waste printed circuit board-derived adsorbent production process. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 594-602	14.7	16
103	Waste Printed Circuit Board (PCB) Recycling Techniques. <i>Topics in Current Chemistry</i> , <b>2017</b> , 375, 43	7.2	59
102	Adsorptive Removal of Arsenic and Mercury from Aqueous Solutions by Eucalyptus Leaves. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	31
101	3D graphene-based nanostructured materials as sorbents for cleaning oil spills and for the removal of dyes and miscellaneous pollutants present in water. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 27731-27745	5.1	31
100	Removal of Heavy Metals, Lead, Cadmium, and Zinc, Using Adsorption Processes by Cost-Effective Adsorbents <b>2017</b> , 109-138		13
99	Study of quench effect on heavy metal uptake efficiency by an aluminosilicate-based material. <i>Chemical Engineering Journal</i> , <b>2017</b> , 311, 37-45	14.7	13
98	Equilibrium and Kinetic Studies of Trihalomethanes Adsorption onto Multi-walled Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	18
97	Waste HDPE bottles for selective oil sorption. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2016</b> , 11, 642-645	1.4	8
96	Sustainable development of tyre char-based activated carbons with different textural properties for value-added applications. <i>Journal of Environmental Management</i> , <b>2016</b> , 170, 1-7	7.9	25
95	Sustainable development of a surface-functionalized mesoporous aluminosilicate with ultra-high ion exchange efficiency. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 502-513	6.8	17
94	Enhancing oil removal from water using ferric oxide nanoparticles doped carbon nanotubes adsorbents. <i>Chemical Engineering Journal</i> , <b>2016</b> , 293, 90-101	14.7	125
93	Optimization and kinetics of sunflower oil methanolysis catalyzed by calcium oxide-based catalyst derived from palm kernel shell biochar. <i>Fuel</i> , <b>2016</b> , 163, 304-313	7.1	97
92	Multilayer Dye Adsorption in Activated Carbons-Facile Approach to Exploit Vacant Sites and Interlayer Charge Interaction. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5041-9	10.3	63
91	Valorization of an Electronic Waste-Derived Aluminosilicate: Surface Functionalization and Porous Structure Tuning. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2980-2989	8.3	9

90	Adsorptive removal of endocrine disrupting bisphenol A from aqueous solution using chitosan. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 2647-2655	6.8	87
89	Outstanding adsorption performance of high aspect ratio and super-hydrophobic carbon nanotubes for oil removal. <i>Chemosphere</i> , <b>2016</b> , 164, 142-155	8.4	66
88	Aqueous mercury adsorption by activated carbons. <i>Water Research</i> , <b>2015</b> , 73, 37-55	12.5	186
87	Application of Strong Porous Polymer Sheets for Superior Oil Spill Recovery. <i>Chemical Engineering and Technology</i> , <b>2015</b> , 38, 482-488	2	13
86	An unsteady state retention model for fluid desorption from sorbents. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 450, 127-134	9.3	9
85	A calcium oxide-based catalyst derived from palm kernel shell gasification residues for biodiesel production. <i>Fuel</i> , <b>2015</b> , 150, 519-525	7.1	72
84	Combating oil spill problem using plastic waste. <i>Waste Management</i> , <b>2015</b> , 44, 34-8	8.6	23
83	Kinetic and equilibrium studies of hydrophilic and hydrophobic rice husk cellulosic fibers used as oil spill sorbents. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 961-969	14.7	46
82	Significance of Effective Surface area of activated carbons on elucidating the adsorption mechanism of large dye molecules. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 1029-1037	6.8	24
81	Removal of Dyes from Effluents Using Biowaste-Derived Adsorbents <b>2015</b> , 139-201		5
80	Toward environmentally-benign utilization of nonmetallic fraction of waste printed circuit boards as modifier and precursor. <i>Waste Management</i> , <b>2015</b> , 35, 236-46	8.6	54
79	A critical review on preparation, characterization and utilization of sludge-derived activated carbons for wastewater treatment. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 895-906	14.7	259
78	Waste printed circuit board recycling techniques and product utilization. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 234-43	12.8	208
77	Aluminosilicate-based adsorbent in equimolar and non-equimolar binary-component heavy metal removal systems. <i>Water Science and Technology</i> , <b>2015</b> , 72, 2166-78	2.2	10
76	Standardization of Oil Sorbent Performance Testing. <i>Journal of Testing and Evaluation</i> , <b>2015</b> , 43, 20140227		27
75	Utilization of rice husks for the production of oil sorbent materials. <i>Cellulose</i> , <b>2014</b> , 21, 1679-1688	5.5	41
74	Removal of cadmium ions from wastewater using innovative electronic waste-derived material. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 273, 118-23	12.8	117
73	Mechanism of arsenic removal using chitosan and nanochitosan. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 416, 1-10	9.3	73



72	Conversion of an aluminosilicate-based waste material to high-value efficient adsorbent. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 415-420	14.7	23
71	Marine residual fuel sorption and desorption kinetics by alkali treated rice husks. <i>Cellulose</i> , <b>2014</b> , 21, 1997-2006	5.5	14
70	Breakthrough Curve Analysis for Fixed-Bed Adsorption of Azo Dyes Using Novel Pine Cone Derived Active Carbon. <i>Adsorption Science and Technology</i> , <b>2014</b> , 32, 791-806	3.6	19
69	Application of the BDST model for nickel removal from effluents by ion exchange. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 7866-7877		5
68	Removal of acid dyes from aqueous solution using potato peel waste biomass: a kinetic and equilibrium study. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 4999-5006		27
67	Super-fast oil uptake using porous ultra-high molecular weight polyethylene sheets. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 1181-1185	3.2	19
66	Synergistic effect in the simultaneous removal of binary cobalt/nickel heavy metals from effluents by a novel e-waste-derived material. <i>Chemical Engineering Journal</i> , <b>2013</b> , 228, 140-146	14.7	60
65	A comparative study on selective adsorption of metal ions using aminated adsorbents. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 395, 230-40	9.3	46
64	Development and characterization of novel composite membranes for fuel cell applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14335	13	19
63	Novel application of the nonmetallic fraction of the recycled printed circuit boards as a toxic heavy metal adsorbent. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 252-253, 166-70	12.8	72
62	An adsorption diffusion model for removal of copper (II) from aqueous solution by pyrolytic tyre char. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 5664-5673		5
61	Prediction of optimum adsorption isotherm: comparison of chi-square and Log-likelihood statistics. <i>Desalination and Water Treatment</i> , <b>2012</b> , 49, 81-94		50
60	Simplified Fixed Bed Design Models for the Adsorption of Acid Dyes on Novel Pine Cone Derived Activated Carbon. <i>Water, Air, and Soil Pollution</i> , <b>2011</b> , 218, 197-212	2.6	27
59	Utilization of municipal solid waste incineration ash in Portland cement clinker. <i>Clean Technologies and Environmental Policy</i> , <b>2011</b> , 13, 607-615	4.3	56
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7	Optimisation of the removal of arsenate from water using nanochitosan	7.0	7
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