

Rajasekhar Balasubramanian

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

239
papers

12,864
citations

61
h-index

104
g-index

253
ext. papers

14,732
ext. citations

7
avg, IF

7.22
L-index

#	Paper	IF	Citations
239	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review.. <i>Science of the Total Environment</i> , 2022 , 822, 153555	10.2	12
238	Nitrogen-doped graphene aerogels with rational indium hydroxide decoration for highly efficient photocatalytic of p-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107125	6.8	0
237	Biochar-based bioretention systems for removal of chemical and microbial pollutants from stormwater: A critical review. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126886	12.8	14
236	Iron-catalyzed synthesis of biowaste-derived magnetic carbonaceous materials for environmental remediation applications. <i>Separation and Purification Technology</i> , 2022 , 295, 121321	8.3	
235	Synthesis, formation mechanisms and applications of biomass-derived carbonaceous materials: a critical review. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 24759-24802	13	3
234	Assessment of Home-Based and Mobility-Based Exposure to Black Carbon in an Urban Environment: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
233	Assessment and mitigation of personal exposure to particulate air pollution in cities: An exploratory study. <i>Sustainable Cities and Society</i> , 2021 , 72, 103052	10.1	5
232	Greenhouse Gas Emission Mitigation Pathways for Urban Passenger Land Transport under Ambitious Climate Targets. <i>Environmental Science & Technology</i> , 2021 , 55, 8236-8246	10.3	2
231	Mitigation of indoor human exposure to airborne particles of outdoor origin in an urban environment during haze and non-haze periods. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123555	12.8	13
230	Biomass burning-derived airborne particulate matter in Southeast Asia: A critical review. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124760	12.8	22
229	Bioretention systems for stormwater management: Recent advances and future prospects. <i>Journal of Environmental Management</i> , 2021 , 292, 112766	7.9	20
228	Application of pinewood waste-derived biochar for the removal of nitrate and phosphate from single and binary solutions. <i>Chemosphere</i> , 2021 , 278, 130361	8.4	8
227	Biological nitrogen removal from stormwater in bioretention cells: a critical review. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-23	9.4	3
226	Assessment and mitigation of toddlers' personal exposure to black carbon before and during the COVID-19 pandemic: A case study in Singapore. <i>Environmental Research</i> , 2021 , 202, 111711	7.9	2
225	High performance CO capture at elevated temperatures by using cenospheres prepared from solid waste, fly ash. <i>Chemosphere</i> , 2021 , 284, 131405	8.4	1
224	Air quality changes in cities during the COVID-19 lockdown: A critical review. <i>Atmospheric Research</i> , 2021 , 264, 105823	5.4	19
223	Large global variations in measured airborne metal concentrations driven by anthropogenic sources. <i>Scientific Reports</i> , 2020 , 10, 21817	4.9	4

222	Evaluation of the effectiveness of a portable air cleaner in mitigating indoor human exposure to cooking-derived airborne particles. <i>Environmental Research</i> , 2020 , 183, 109192	7.9	14
221	Rapidly rising transboundary atmospheric pollution from industrial and urban sources in Southeast Asia and its implications for regional sustainable development. <i>Environmental Research Letters</i> , 2020 , 15, 1040a5	6.2	1
220	Insights into characteristics of light absorbing carbonaceous aerosols over an urban location in Southeast Asia. <i>Environmental Pollution</i> , 2020 , 257, 113425	9.3	18
219	Cyclists' personal exposure to traffic-related air pollution and its influence on bikeability. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 88, 102563	6.4	12
218	Personal exposure to airborne particles in transport micro-environments and potential health impacts: A tale of two cities. <i>Sustainable Cities and Society</i> , 2020 , 63, 102470	10.1	12
217	Efficient removal of bisphenol A and disinfection of waterborne pathogens by boron/nitrogen codoped graphene aerogels via the synergy of adsorption and photocatalysis under visible light. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104300	6.8	11
216	Nitrogen and Sulfur Codoped Graphene Macroassemblies as High-Performance Electrocatalysts for the Oxygen Reduction Reaction in Microbial Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16591-16599	8.3	11
215	Assessment of the Integrated Personal Exposure to Particulate Emissions in Urban Micro-environments: A Pilot Study. <i>Aerosol and Air Quality Research</i> , 2020 , 20, 341-357	4.6	15
214	A comparative chemical study of PM10 in three Latin American cities: Lima, Medellín, and São Paulo. <i>Air Quality, Atmosphere and Health</i> , 2019 , 12, 1141-1152	5.6	8
213	Assessment and mitigation of indoor human exposure to fine particulate matter (PM2.5) of outdoor origin in naturally ventilated residential apartments: A case study. <i>Atmospheric Environment</i> , 2019 , 212, 163-171	5.3	14
212	Nitrogen and sulfur codoped graphene aerogels as absorbents and visible light-active photocatalysts for environmental remediation applications. <i>Environmental Pollution</i> , 2019 , 251, 344-353	9.3	21
211	Three-Dimensional Graphene-Based Macroscopic Assemblies as Super-Absorbents for Oils and Organic Solvents 2019 , 43-68		3
210	New insights into the role of nitrogen-bonding configurations in enhancing the photocatalytic activity of nitrogen-doped graphene aerogels. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 574-583	9.3	26
209	Size-fractionated Particulate Matter in Indoor and Outdoor Environments during the 2015 Haze in Singapore: Potential Human Health Risk Assessment. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 904-917	4.6	18
208	Effects of oxygenated fuel blends on the composition of size-segregated engine-out diesel particulate emissions and on the toxicity of quasi-ultrafine particles. <i>Fuel</i> , 2018 , 215, 161-170	7.1	29
207	Effect of boron doping level on the photocatalytic activity of graphene aerogels. <i>Carbon</i> , 2018 , 128, 237-248	4.8	37
206	Li-ion vs. Na-ion capacitors: A performance evaluation with coconut shell derived mesoporous carbon and natural plant based hard carbon. <i>Chemical Engineering Journal</i> , 2017 , 316, 506-513	14.7	64
205	Highly mesoporous carbon from Teak wood sawdust as prospective electrode for the construction of high energy Li-ion capacitors. <i>Electrochimica Acta</i> , 2017 , 228, 131-138	6.7	56

204	Characterization of traffic-related ambient fine particulate matter (PM 2.5) in an Asian city: Environmental and health implications. <i>Atmospheric Environment</i> , 2017 , 161, 132-143	5.3	55
203	Effects of Cerium Oxide and Ferrocene Nanoparticles Addition As Fuel-Borne Catalysts on Diesel Engine Particulate Emissions: Environmental and Health Implications. <i>Environmental Science & Technology</i> , 2017 , 51, 4248-4258	10.3	28
202	Airborne particles in the Brazilian city of S̃ Paulo: One-year investigation for the chemical composition and source apportionment 2017 ,		2
201	Three-dimensional graphene-based macrostructures for sustainable energy applications and climate change mitigation. <i>Progress in Materials Science</i> , 2017 , 90, 224-275	42.2	54
200	Regulation of fine particulate matter (PM2.5) in the Pacific Rim: perspectives from the APRU Global Health Program. <i>Air Quality, Atmosphere and Health</i> , 2017 , 10, 1039-1049	5.6	12
199	Nitrogen-doped graphene hydrogels as potential adsorbents and photocatalysts for environmental remediation. <i>Chemical Engineering Journal</i> , 2017 , 327, 751-763	14.7	56
198	Indoor human exposure to size-fractionated aerosols during the 2015 Southeast Asian smoke haze and assessment of exposure mitigation strategies. <i>Environmental Research Letters</i> , 2017 , 12, 114026	6.2	20
197	Particulate pollutants in the Brazilian city of S̃ Paulo: 1-year investigation for the chemical composition and source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11943-11969	6.8	52
196	Overview of the Special Issue "PM2.5 in Asia" for 2015 Asian Aerosol Conference. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 351-355	4.6	9
195	Supercritical fluid immobilization of horseradish peroxidase on high surface area mesoporous activated carbon. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 513-518	4.2	20
194	Analysis of baseline and alternative air quality scenarios for Pakistan: an integrated approach. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21780-21793	5.1	17
193	Holey graphene frameworks for highly selective post-combustion carbon capture. <i>Scientific Reports</i> , 2016 , 6, 21537	4.9	42
192	Variation in global chemical composition of PM_{2.5}: emerging results from SPARTAN. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9629-9653	6.8	92
191	Risk assessment of bioaccessible trace elements in smoke haze aerosols versus urban aerosols using simulated lung fluids. <i>Atmospheric Environment</i> , 2016 , 125, 505-511	5.3	42
190	Characteristics of atmospheric particulate mercury in size-fractionated particles during haze days in Shanghai. <i>Atmospheric Environment</i> , 2016 , 131, 400-408	5.3	26
189	Three-Dimensional Graphene-Based Porous Adsorbents for Postcombustion CO2 Capture. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 7906-7916	3.9	72
188	Mechanical stability and combustion characteristics of hydrochar/lignite blend pellets. <i>Fuel</i> , 2016 , 164, 59-65	7.1	32
187	Comparative evaluation of the effect of butanol/diesel and pentanol/diesel blends on carbonaceous particulate composition and particle number emissions from a diesel engine. <i>Fuel</i> , 2016 , 176, 40-47	7.1	72

186	Energy, exergy and techno-economic analyses of hydrothermal oxidation of food waste to produce hydro-char and bio-oil. <i>Energy</i> , 2016 , 102, 187-198	7.9	57
185	Highly efficient, rapid and selective CO ₂ capture by thermally treated graphene nanosheets. <i>Journal of CO₂ Utilization</i> , 2016 , 13, 50-60	7.6	60
184	Investigation of particulate emission characteristics of a diesel engine fueled with higher alcohols/biodiesel blends. <i>Applied Energy</i> , 2016 , 163, 71-80	10.7	99
183	Hydrothermal conversion of biomass waste to activated carbon with high porosity: A review. <i>Chemical Engineering Journal</i> , 2016 , 283, 789-805	14.7	614
182	Bioaccessibility of Airborne Particulate-Bound Trace Elements in Shanghai and Health Risk Assessment. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	4
181	Biomass derived low-cost microporous adsorbents for efficient CO ₂ capture. <i>Fuel</i> , 2015 , 148, 246-254	7.1	164
180	Improvement of fuel qualities of solid fuel biochars by washing treatment. <i>Fuel Processing Technology</i> , 2015 , 134, 130-135	7.2	28
179	Characterization and estimation of human airway deposition of size-resolved particulate-bound trace elements during a recent haze episode in Southeast Asia. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4265-80	5.1	39
178	Is biosorption suitable for decontamination of metal-bearing wastewaters? A critical review on the state-of-the-art of biosorption processes and future directions. <i>Journal of Environmental Management</i> , 2015 , 160, 283-96	7.9	158
177	Mesoporous activated carbons with enhanced porosity by optimal hydrothermal pre-treatment of biomass for supercapacitor applications. <i>Microporous and Mesoporous Materials</i> , 2015 , 218, 55-61	5.3	118
176	Influence of an iron-based fuel-borne catalyst on physicochemical and toxicological characteristics of particulate emissions from a diesel engine. <i>Applied Energy</i> , 2015 , 146, 270-278	10.7	31
175	In situ acidity and pH of size-fractionated aerosols during a recent smoke-haze episode in Southeast Asia. <i>Environmental Geochemistry and Health</i> , 2015 , 37, 843-59	4.7	7
174	Production of high surface area mesoporous activated carbons from waste biomass using hydrogen peroxide-mediated hydrothermal treatment for adsorption applications. <i>Chemical Engineering Journal</i> , 2015 , 273, 622-629	14.7	116
173	Chemical composition and acidity of size-fractionated inorganic aerosols of 2013-14 winter haze in Shanghai and associated health risk of toxic elements. <i>Atmospheric Environment</i> , 2015 , 122, 259-271	5.3	49
172	Recent advances and progress in the development of graphene-based adsorbents for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21968-21989	13	111
171	Bio-Oxidation and Biocyanidation of Refractory Mineral Ores for Gold Extraction: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 1611-1643	11.1	22
170	Comparison of physical and chemical properties of ambient aerosols during the 2009 haze and non-haze periods in Southeast Asia. <i>Environmental Geochemistry and Health</i> , 2015 , 37, 831-41	4.7	29
169	Post-combustion CO ₂ capture using mesoporous TiO ₂ /graphene oxide nanocomposites. <i>Chemical Engineering Journal</i> , 2015 , 263, 374-384	14.7	96

168	Biosynthesis of gold nanoparticles and related cytotoxicity evaluation using A549 cells. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 114, 232-40	7	47
167	Effects of oxygenated fuel blends on carbonaceous particulate composition and particle size distributions from a stationary diesel engine. <i>Fuel</i> , 2015 , 141, 1-8	7.1	42
166	Tuning hydrochar properties for enhanced mesopore development in activated carbon by hydrothermal carbonization. <i>Microporous and Mesoporous Materials</i> , 2015 , 203, 178-185	5.3	53
165	Heterogeneous catalyst-assisted thermochemical conversion of food waste biomass into 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , 2015 , 178, 19-27	11	35
164	Novel Carbon-Based Nanoadsorbents for Removal of Synthetic Textile Dyes from Wastewaters 2015 , 35-82		2
163	Importance of transboundary transport of biomass burning emissions to regional air quality in Southeast Asia during a high fire event. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 363-373	6.8	53
162	Food waste-to-energy conversion technologies: current status and future directions. <i>Waste Management</i> , 2015 , 38, 399-408	8.6	365
161	Recent advances in the use of graphene-family nanoadsorbents for removal of toxic pollutants from wastewater. <i>Advances in Colloid and Interface Science</i> , 2014 , 204, 35-56	14.3	367
160	Hydrothermal conversion of urban food waste to chars for removal of textile dyes from contaminated waters. <i>Bioresource Technology</i> , 2014 , 161, 310-9	11	129
159	Influence of butanol addition to diesel/biodiesel blend on engine performance and particulate emissions of a stationary diesel engine. <i>Applied Energy</i> , 2014 , 119, 530-536	10.7	100
158	Uptake of Ag and TiO ₂ nanoparticles by zebrafish embryos in the presence of other contaminants in the aquatic environment. <i>Water Research</i> , 2014 , 55, 280-91	12.5	46
157	Physicochemical and toxicological characteristics of particulate matter emitted from a non-road diesel engine: comparative evaluation of biodiesel-diesel and butanol-diesel blends. <i>Journal of Hazardous Materials</i> , 2014 , 264, 395-402	12.8	41
156	Hydrothermal pre-treatment for mesoporous carbon synthesis: enhancement of chemical activation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 520-528	13	76
155	Upgrading of waste biomass by hydrothermal carbonization (HTC) and low temperature pyrolysis (LTP): A comparative evaluation. <i>Applied Energy</i> , 2014 , 114, 857-864	10.7	145
154	Plant derived porous graphene nanosheets for efficient CO ₂ capture. <i>RSC Advances</i> , 2014 , 4, 44634-44643	4.7	28
153	2013 Southeast Asian smoke haze: fractionation of particulate-bound elements and associated health risk. <i>Environmental Science & Technology</i> , 2014 , 48, 4327-35	10.3	182
152	Influence of trans-boundary biomass burning impacted air masses on submicron particle number concentrations and size distributions. <i>Atmospheric Environment</i> , 2014 , 92, 9-18	5.3	11
151	Enzyme-assisted hydrothermal treatment of food waste for co-production of hydrochar and bio-oil. <i>Bioresource Technology</i> , 2014 , 168, 267-74	11	49

150	Preparation and characterization of fuel pellets from woody biomass, agro-residues and their corresponding hydrochars. <i>Applied Energy</i> , 2014 , 113, 1315-1322	10.7	188
149	Influence of butanol/diesel blends on particulate emissions of a non-road diesel engine. <i>Fuel</i> , 2014 , 118, 130-136	7.1	53
148	A comparative study of nitrogen conversion during pyrolysis of coconut fiber, its corresponding biochar and their blends with lignite. <i>Bioresource Technology</i> , 2014 , 151, 85-90	11	11
147	A comparative toxicity evaluation of Escherichia coli-targeted ssDNA and chlorine in HepG2 cells. <i>Water Research</i> , 2014 , 48, 519-28	12.5	1
146	TGA/FTIR investigation of co-combustion characteristics of blends of hydrothermally carbonized oil palm biomass (EFB) and coal. <i>Fuel Processing Technology</i> , 2014 , 118, 228-234	7.2	88
145	Life Cycle Assessment of Energy and Energy Carriers from Waste Matter – A Review. <i>Journal of Cleaner Production</i> , 2014 , 79, 18-31	10.3	21
144	Graphene/semiconductor nanocomposites (GSNs) for heterogeneous photocatalytic decolorization of wastewaters contaminated with synthetic dyes: A review. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 307-324	21.8	167
143	PM2.5 Emissions from Hand-Held Sparklers: Chemical Characterization and Health Risk Assessment. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1477-1486	4.6	11
142	Assessing the regional impact of Indonesian biomass burning emissions based on organic molecular tracers and chemical mass balance modeling. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8043-8054	6.8	78
141	Microbial quality and phylogenetic diversity of fresh rainwater and tropical freshwater reservoir. <i>PLoS ONE</i> , 2014 , 9, e100737	3.7	29
140	Influence of Biomass Burning on Temporal and Diurnal Variations of Acidic Gases, Particulate Nitrate, and Sulfate in a Tropical Urban Atmosphere. <i>Advances in Meteorology</i> , 2014 , 2014, 1-13	1.7	7
139	Effect of oxygenated fuels on physicochemical and toxicological characteristics of diesel particulate emissions. <i>Environmental Science & Technology</i> , 2014 , 48, 14805-13	10.3	30
138	Evaluation of Hydrothermally Carbonized Hydrochar in Improving Energy Security and Mitigating Greenhouse Gas Emissions. <i>ACS Symposium Series</i> , 2014 , 23-48	0.4	2
137	Contribution of vegetation and peat fires to particulate air pollution in Southeast Asia. <i>Environmental Research Letters</i> , 2014 , 9, 094006	6.2	80
136	Human health risk associated with exposure to toxic elements in mainstream and sidestream cigarette smoke. <i>Science of the Total Environment</i> , 2014 , 472, 947-56	10.2	41
135	Comparison of NO2 and SO2 Measurements Using Different Passive Samplers in Tropical Environment. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 355-363	4.6	8
134	Progress in Nitrogen Deposition Monitoring and Modelling 2014 , 455-463		3
133	Production of Renewable Solid Fuel Hydrochar from Waste Biomass by Sub- and Supercritical Water Treatment. <i>Biofuels and Biorefineries</i> , 2014 , 231-260	0.3	0

132	Toxicological evaluation of microcystins in aquatic fish species: current knowledge and future directions. <i>Aquatic Toxicology</i> , 2013 , 142-143, 1-16	5.1	54
131	Physicochemical and toxicological characteristics of urban aerosols during a recent Indonesian biomass burning episode. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2569-78	5.1	64
130	Hydrothermal carbonization of sewage sludge for energy production with coal. <i>Fuel</i> , 2013 , 111, 201-210	7.1	145
129	Evaluation of a novel chitosan polymer-based adsorbent for the removal of chromium (III) in aqueous solutions. <i>Carbohydrate Polymers</i> , 2013 , 92, 2181-6	10.3	33
128	A comparison of thermal behaviors of raw biomass, pyrolytic biochar and their blends with lignite. <i>Bioresource Technology</i> , 2013 , 146, 371-378	11	46
127	Chemical characterization of aerosols in the equatorial atmosphere over the Indian Ocean. <i>Atmospheric Environment</i> , 2013 , 78, 268-276	5.3	16
126	Methods and Approaches Used for Detection of Cyanotoxins in Environmental Samples: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1349-1383	11.1	54
125	Discrimination of viable from non-viable gram-negative bacterial pathogens in airborne particles using propidium monoazide-assisted qPCR. <i>Science of the Total Environment</i> , 2013 , 449, 237-43	10.2	25
124	A study of nitrogen conversion and polycyclic aromatic hydrocarbon (PAH) emissions during hydrochar/lignite co-pyrolysis. <i>Applied Energy</i> , 2013 , 108, 74-81	10.7	30
123	Toxicological implications of microcystins for zebrafish embryos in the presence of other environmental pollutants. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1574-81	3.8	12
122	Emissions of particulate-bound elements from biodiesel and ultra low sulfur diesel: size distribution and risk assessment. <i>Chemosphere</i> , 2013 , 90, 1005-15	8.4	24
121	Chemical speciation of trace metals emitted from Indonesian peat fires for health risk assessment. <i>Atmospheric Research</i> , 2013 , 122, 571-578	5.4	76
120	Analysis of source regions for smoke events in Singapore for the 2009 El Nino burning season. <i>Atmospheric Environment</i> , 2013 , 78, 219-230	5.3	35
119	A study of diurnal variations of PM2.5 acidity and related chemical species using a new thermodynamic equilibrium model. <i>Science of the Total Environment</i> , 2013 , 452-453, 286-95	10.2	26
118	A comparative evaluation of sorbents for the treatment of complex metal-bearing laboratory wastewaters. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 473-479	6.8	11
117	Biological Synthesis of Silver Nanoparticles and Assessment of Their Bactericidal Activity. <i>ACS Symposium Series</i> , 2013 , 107-120	0.4	2
116	Chemical, structural and combustion characteristics of carbonaceous products obtained by hydrothermal carbonization of palm empty fruit bunches. <i>Bioresource Technology</i> , 2013 , 135, 683-9	11	297
115	Liquefaction of waste tires by pyrolysis for oil and chemicals: A review. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 101, 1-16	6	184

114	Removal of microcystin-LR and microcystin-RR by graphene oxide: adsorption and kinetic experiments. <i>Water Research</i> , 2013 , 47, 4621-9	12.5	116
113	Observing and understanding the Southeast Asian aerosol system by remote sensing: An initial review and analysis for the Seven Southeast Asian Studies (7SEAS) program. <i>Atmospheric Research</i> , 2013 , 122, 403-468	5.4	207
112	Production of solid biochar fuel from waste biomass by hydrothermal carbonization. <i>Fuel</i> , 2013 , 103, 943-949	7.1	486
111	Insights into lipidomic perturbations in zebrafish tissues upon exposure to microcystin-LR and microcystin-RR. <i>Environmental Science & Technology</i> , 2013 , 47, 14376-84	10.3	22
110	Activated carbons derived from coconut shells as high energy density cathode material for Li-ion capacitors. <i>Scientific Reports</i> , 2013 , 3, 3002	4.9	195
109	Observations of new aerosol particle formation in a tropical urban atmosphere. <i>Atmospheric Environment</i> , 2013 , 71, 340-351	5.3	34
108	Ammonia in the atmosphere: a review on emission sources, atmospheric chemistry and deposition on terrestrial bodies. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8092-131	5.1	454
107	Particulate Emissions from Commercial Handheld Sparklers: Evaluation of Physical Characteristics and Emission Rates. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 301-307	4.6	10
106	Insights into Chemical Coupling among Acidic Gases, Ammonia and Secondary Inorganic Aerosols. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1282-1296	4.6	35
105	Mathematical modeling of rubber tire pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 95, 1-13	5.0	50
104	Assessment of bacterial pathogens in fresh rainwater and airborne particulate matter using Real-Time PCR. <i>Atmospheric Environment</i> , 2012 , 46, 131-139	5.3	31
103	Bacterial Degradation of Petroleum Hydrocarbons. <i>Environmental Science and Engineering</i> , 2012 , 339-369	0.2	4
102	Hydrothermal Carbonization of Waste Biomass for Energy Generation. <i>Procedia Environmental Sciences</i> , 2012 , 16, 159-166		70
101	A field study to evaluate runoff quality from green roofs. <i>Water Research</i> , 2012 , 46, 1337-45	12.5	128
100	Biochemical response of diverse organs in adult Danio rerio (zebrafish) exposed to sub-lethal concentrations of microcystin-LR and microcystin-RR: a balneation study. <i>Aquatic Toxicology</i> , 2012 , 109, 1-10	5.1	38
99	Comparative in vitro cytotoxicity assessment of airborne particulate matter emitted from stationary engine fuelled with diesel and waste cooking oil-derived biodiesel. <i>Atmospheric Environment</i> , 2012 , 61, 23-29	5.3	19
98	Passive Sampling of Gaseous Persistent Organic Pollutants in The Atmosphere. <i>Energy Procedia</i> , 2012 , 16, 494-500	2.3	4
97	Thermogravimetric investigation of hydrochar-lignite co-combustion. <i>Bioresource Technology</i> , 2012 , 123, 646-52	11	123

96	Biosorption of copper, zinc and cadmium using sodium hydroxide immersed Cymbopogon schoenanthus L. Spreng (lemon grass). <i>Ecological Engineering</i> , 2012 , 49, 186-189	3.9	18
95	Physico-Chemical Characteristics of Particulate Emissions from Diesel Engines Fuelled with Waste Cooking Oil Derived Biodiesel and Ultra Low Sulphur Diesel 2012 ,		3
94	Removal of cyanotoxins from surface water resources using reusable molecularly imprinted polymer adsorbents. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1841-51	5.1	31
93	Airborne bacteria, fungi, and endotoxin levels in residential microenvironments: a case study. <i>Aerobiologia</i> , 2012 , 28, 375-390	2.4	39
92	Influence of air quality on the composition of microbial pathogens in fresh rainwater. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2813-8	4.8	27
91	Antimonite Removal Using Marine Algal Species. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 9864-9869	3.9	16
90	ANN application for prediction of atmospheric nitrogen deposition to aquatic ecosystems. <i>Marine Pollution Bulletin</i> , 2011 , 62, 1198-206	6.7	19
89	Dry and wet atmospheric deposition of nitrogen and phosphorus in Singapore. <i>Atmospheric Environment</i> , 2011 , 45, 2760-2768	5.3	63
88	Emissions of particulate-bound elements from stationary diesel engine: Characterization and risk assessment. <i>Atmospheric Environment</i> , 2011 , 45, 5273-5281	5.3	39
87	Concomitant uptake of microcystin-LR and -RR by peat under various environmental conditions. <i>Chemical Engineering Journal</i> , 2011 , 172, 754-762	14.7	19
86	Application of ionic-liquid supported cloud point extraction for the determination of microcystin-leucine-arginine in natural waters. <i>Analytica Chimica Acta</i> , 2011 , 686, 87-92	6.6	17
85	Preparation and characterization of low energy post-pyrolysis oxygenated tire char. <i>Chemical Engineering Journal</i> , 2011 , 170, 194-201	14.7	23
84	Biosynthesis of Au(0) from Au(III) via biosorption and bioreduction using brown marine alga Turbinaria conoides. <i>Chemical Engineering Journal</i> , 2011 , 167, 223-227	14.7	96
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