

# Godwin A Ayoko

## List of Publications by Citations

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356  
papers

11,821  
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58  
h-index

87  
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365  
ext. papers

14,072  
ext. citations

7.2  
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6.99  
L-index

#	Paper	IF	Citations
356	Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: How far have they gone?. <i>Environment International</i> , <b>2018</b> , 116, 286-299	12.9	268
355	Understanding the role of land use in urban stormwater quality management. <i>Journal of Environmental Management</i> , <b>2005</b> , 74, 31-42	7.9	214
354	Source characterisation of road dust based on chemical and mineralogical composition. <i>Chemosphere</i> , <b>2012</b> , 87, 163-70	8.4	206
353	Microalgal Species Selection for Biodiesel Production Based on Fuel Properties Derived from Fatty Acid Profiles. <i>Energies</i> , <b>2013</b> , 6, 5676-5702	3.1	202
352	Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. <i>Chemical Engineering Journal</i> , <b>2017</b> , 312, 336-350	14.7	189
351	Synthesis of layered double hydroxides containing Mg <sup>2+</sup> , Zn <sup>2+</sup> , Ca <sup>2+</sup> and Al <sup>3+</sup> layer cations by co-precipitation methods: A review. <i>Applied Surface Science</i> , <b>2016</b> , 383, 200-213	6.7	189
350	Comparison of pollution indices for the assessment of heavy metal in Brisbane River sediment. <i>Environmental Pollution</i> , <b>2016</b> , 219, 1077-1091	9.3	186
349	Analysis of heavy metals in road-deposited sediments. <i>Analytica Chimica Acta</i> , <b>2006</b> , 571, 270-8	6.6	174
348	Airborne particles in indoor environment of homes, schools, offices and aged care facilities: The main routes of exposure. <i>Environment International</i> , <b>2017</b> , 108, 75-83	12.9	170
347	Application of organoclays for the adsorption of recalcitrant organic molecules from aqueous media. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 354, 292-305	9.3	152
346	A review of the removal of anions and oxyanions of the halogen elements from aqueous solution by layered double hydroxides. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 417, 356-68	9.3	150
345	Development of a hybrid pollution index for heavy metals in marine and estuarine sediments. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 306	3.1	146
344	Application of chemometrics to analysis of soil pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 430-445	14.6	146
343	Understanding heavy metal and suspended solids relationships in urban stormwater using simulated rainfall. <i>Journal of Environmental Management</i> , <b>2005</b> , 76, 149-58	7.9	140
342	Characterization of particle number concentrations and PM <sub>2.5</sub> in a school: influence of outdoor air pollution on indoor air. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 1268-78	5.1	125
341	Atmospheric deposition as a source of heavy metals in urban stormwater. <i>Atmospheric Environment</i> , <b>2013</b> , 68, 235-242	5.3	119
340	Which emission sources are responsible for the volatile organic compounds in the atmosphere of Pearl River Delta?. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 188, 116-24	12.8	119

339	An investigation into the characteristics and formation mechanisms of particles originating from the operation of laser printers. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 1015-22	10.3	112
338	Human health risks of heavy metals in paddy rice based on transfer characteristics of heavy metals from soil to rice. <i>Catena</i> , <b>2019</b> , 175, 339-348	5.8	110
337	Understanding the physical processes of pollutant build-up and wash-off on roof surfaces. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1834-41	10.2	108
336	Role of particle size and composition in metal adsorption by solids deposited on urban road surfaces. <i>Environmental Pollution</i> , <b>2014</b> , 184, 44-53	9.3	106
335	Human health risk assessment of heavy metals in urban stormwater. <i>Science of the Total Environment</i> , <b>2016</b> , 557-558, 764-72	10.2	105
334	Tropospheric volatile organic compounds in China. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 1021-1043	10.2	104
333	Influence of diesel fuel sulfur on nanoparticle emissions from city buses. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1314-20	10.3	104
332	Structural characterisation and environmental application of organoclays for the removal of phenolic compounds. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 393, 319-34	9.3	98
331	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. <i>Progress in Materials Science</i> , <b>2019</b> , 103, 596-677	42.2	97
330	Bisphenol A degradation enhanced by air bubbles via advanced oxidation using in situ generated ferrous ions from nano zero-valent iron/palygorskite composite materials. <i>Chemical Engineering Journal</i> , <b>2014</b> , 247, 66-74	14.7	91
329	Removal of boron species by layered double hydroxides: a review. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 402, 114-21	9.3	91
328	Influence of rainfall and catchment characteristics on urban stormwater quality. <i>Science of the Total Environment</i> , <b>2013</b> , 444, 255-62	10.2	91
327	Performance characterisation of a stormwater treatment bioretention basin. <i>Journal of Environmental Management</i> , <b>2015</b> , 150, 173-178	7.9	89
326	Particle and carbon dioxide emissions from passenger vehicles operating on unleaded petrol and LPG fuel. <i>Science of the Total Environment</i> , <b>2005</b> , 345, 93-8	10.2	88
325	Synthesis and Raman spectroscopic characterisation of hydrotalcite with CO <sub>3</sub> <sup>2-</sup> and (MoO <sub>4</sub> ) <sub>2</sub> <sup>-</sup> anions in the interlayer. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 395-401	2.3	85
324	Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 880-888	14.7	84
323	Removal of bisphenol A from wastewater by Ca-montmorillonite modified with selected surfactants. <i>Chemical Engineering Journal</i> , <b>2013</b> , 234, 416-422	14.7	84
322	Ultrafine particles in indoor air of a school: possible role of secondary organic aerosols. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 9103-9	10.3	83

321	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. <i>Science of the Total Environment</i> , <b>2020</b> , 700, 134467	10.2	83
320	Potential bioavailability assessment, source apportionment and ecological risk of heavy metals in the sediment of Brisbane River estuary, Australia. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 117, 523-531	6.7	81
319	Enrichment, distribution and sources of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 81, 248-55	6.7	80
318	Geochemical behavior assessment and apportionment of heavy metal contaminants in the bottom sediments of lower reach of Changjiang River. <i>Catena</i> , <b>2011</b> , 85, 73-81	5.8	79
317	Characterisation of organoclays and adsorption of p-nitrophenol: environmental application. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 360, 440-56	9.3	79
316	Visible light enhanced oxidant free dehydrogenation of aromatic alcohols using AuPd alloy nanoparticle catalysts. <i>Green Chemistry</i> , <b>2014</b> , 16, 331-341	10	76
315	Bisphenol A sorption by organo-montmorillonite: implications for the removal of organic contaminants from water. <i>Chemosphere</i> , <b>2014</b> , 107, 249-256	8.4	76
314	Effects of heteroatom doping on the performance of graphene in sodium-ion batteries: A density functional theory investigation. <i>Carbon</i> , <b>2018</b> , 140, 276-285	10.4	70
313	Role of traffic in atmospheric accumulation of heavy metals and polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , <b>2012</b> , 54, 502-510	5.3	69
312	Impacts of traffic and rainfall characteristics on heavy metals build-up and wash-off from urban roads. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 8904-10	10.3	68
311	Degradation of simazine from aqueous solutions by diatomite-supported nanosized zero-valent iron composite materials. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 2, 768-77	12.8	67
310	Raman spectroscopic study of the uranyl carbonate mineral voglite. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 374-379	2.3	67
309	Source apportionment and risk assessment of PAHs in Brisbane River sediment, Australia. <i>Ecological Indicators</i> , <b>2017</b> , 73, 784-799	5.8	66
308	An inclusive and adaptive framework for measuring social resilience to disasters. <i>International Journal of Disaster Risk Reduction</i> , <b>2018</b> , 28, 862-873	4.5	64
307	Adsorption of phenolic compounds by organoclays: implications for the removal of organic pollutants from aqueous media. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 406, 196-208	9.3	64
306	Diffuse reflectance spectroscopy for monitoring potentially toxic elements in the agricultural soils of Changjiang River Delta, China. <i>Applied Clay Science</i> , <b>2012</b> , 64, 75-83	5.2	64
305	Characterization of elemental and polycyclic aromatic hydrocarbon compositions of urban air in Brisbane. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 463-476	5.3	64
304	Heavy metal contamination in suspended solids of Changjiang River [Environmental implications. <i>Geoderma</i> , <b>2010</b> , 159, 286-295	6.7	62

303	Odour sampling. 2. Comparison of physical and aerodynamic characteristics of sampling devices: a review. <i>Bioresource Technology</i> , <b>2008</b> , 99, 3993-4007	11	61
302	Use of physicochemical signatures to assess the sources of metals in urban road dust. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1303-1309	10.2	60
301	Characterising metal build-up on urban road surfaces. <i>Environmental Pollution</i> , <b>2013</b> , 176, 87-91	9.3	60
300	Influence of Fatty Acid Structure on Fuel Properties of Algae Derived Biodiesel. <i>Procedia Engineering</i> , <b>2013</b> , 56, 591-596		60
299	Thermogravimetric analysis of selected layered double hydroxides. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 112, 649-657	4.1	59
298	Raman spectroscopic study of the uranyl phosphate minerals phosphuranylite and yingjiangite. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 495-502	2.3	57
297	Geochemical phase and particle size relationships of metals in urban road dust. <i>Environmental Pollution</i> , <b>2017</b> , 230, 218-226	9.3	55
296	Odour sampling 1: Physical chemistry considerations. <i>Bioresource Technology</i> , <b>2008</b> , 99, 3982-92	11	55
295	Use of chemometrics methods and multicriteria decision-making for site selection for sustainable on-site sewage effluent disposal. <i>Analytica Chimica Acta</i> , <b>2004</b> , 506, 41-56	6.6	55
294	Assessment of ecological and human health risks of metals in urban road dust based on geochemical fractionation and potential bioavailability. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 1609-1619	10.2	53
293	Black phosphorus nanosheets promoted 2D-TiO <sub>2</sub> -2D heterostructured anode for high-performance lithium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 424-431	19.4	52
292	Environmental applications of inorganic-organic clays for recalcitrant organic pollutants removal: Bisphenol A. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 470, 183-195	9.3	52
291	Raman spectroscopy of uranopilite of different origins: Implications for molecular structure. <i>Journal of Raman Spectroscopy</i> , <b>2007</b> , 38, 398-409	2.3	52
290	Iodide removal using LDH technology. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 300-309	14.7	52
289	The effects of fuel characteristics and engine operating conditions on the elemental composition of emissions from heavy duty diesel buses. <i>Fuel</i> , <b>2007</b> , 86, 1831-1839	7.1	51
288	XRD, TEM, and thermal analysis of Arizona Ca-montmorillonites modified with didodecyldimethylammonium bromide. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 408, 75-81	9.3	50
287	Gold nanomaterials for the selective capturing and SERS diagnosis of toxins in aqueous and biological fluids. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 664-672	11.8	49
286	Raman spectroscopic and SEM analysis of sodium-zippeite. <i>Journal of Raman Spectroscopy</i> , <b>2007</b> , 38, 1311-1319	2.3	49

285	Quantitative assessment of human health risk posed by polycyclic aromatic hydrocarbons in urban road dust. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 895-904	10.2	48
284	Physicochemical characterization of particulate emissions from a compression ignition engine: the influence of biodiesel feedstock. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10337-43	10.3	47
283	Analysis of build-up of heavy metals and volatile organics on urban roads in gold coast, Australia. <i>Water Science and Technology</i> , <b>2011</b> , 63, 2077-85	2.2	47
282	Adsorption and mobility of metals in build-up on road surfaces. <i>Chemosphere</i> , <b>2015</b> , 119, 1391-1398	8.4	46
281	Two-dimensional fluorine-free mesoporous Mo <sub>2</sub> C MXene via UV-induced selective etching of Mo <sub>2</sub> Ga <sub>2</sub> C for energy storage. <i>Sustainable Materials and Technologies</i> , <b>2020</b> , 25, e00156	5.3	46
280	Taxonomy of factors which influence heavy metal build-up on urban road surfaces. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 310, 20-9	12.8	46
279	Atmospheric polycyclic aromatic hydrocarbons in the urban environment: Occurrence, toxicity and source apportionment. <i>Environmental Pollution</i> , <b>2016</b> , 208, 110-117	9.3	45
278	Quantification of the relationship between fuser roller temperature and laser printer emissions. <i>Journal of Aerosol Science</i> , <b>2010</b> , 41, 523-530	4.3	45
277	Volatile Organic Compounds: Characteristics, distribution and sources in urban schools. <i>Atmospheric Environment</i> , <b>2015</b> , 106, 485-491	5.3	44
276	Role of Solids in Heavy Metals Buildup on Urban Road Surfaces. <i>Journal of Environmental Engineering, ASCE</i> , <b>2012</b> , 138, 490-498	2	44
275	Influence of fuel composition on polycyclic aromatic hydrocarbon emissions from a fleet of in-service passenger cars. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 150-160	5.3	44
274	Performance Evaluation of the UVAPS in Measuring Biological Aerosols: Fluorescence Spectra from NAD(P)H Coenzymes and Riboflavin. <i>Aerosol Science and Technology</i> , <b>2004</b> , 38, 354-364	3.4	44
273	Process variability of pollutant build-up on urban road surfaces. <i>Science of the Total Environment</i> , <b>2015</b> , 518-519, 434-40	10.2	43
272	A comparative study of the elemental composition of the exhaust emissions of cars powered by liquefied petroleum gas and unleaded petrol. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 3111-3122	5.3	43
271	Understanding the structure-property relationships in hydrothermally reduced graphene oxide hydrogels. <i>Carbon</i> , <b>2018</b> , 137, 282-290	10.4	43
270	Influential factors on microplastics occurrence in river sediments. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139901	10.2	42
269	Oxidation of l-cysteine, mercaptoacetic acid and mercaptoethylamine by 12-tungstocobaltate(III). <i>Polyhedron</i> , <b>1983</b> , 2, 577-582	2.7	42
268	Emissions from a vehicle fitted to operate on either petrol or compressed natural gas. <i>Science of the Total Environment</i> , <b>2004</b> , 323, 179-94	10.2	41

267	Plasmonic Switching of the Reaction Pathway: Visible-Light Irradiation Varies the Reactant Concentration at the Solid-Solution Interface of a Gold-Cobalt Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12032-12036	16.4	40
266	A review of iron species for visible-light photocatalytic water purification. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 7439-49	5.1	40
265	Evaluating the relationship between temporal changes in land use and resulting water quality. <i>Environmental Pollution</i> , <b>2018</b> , 234, 480-486	9.3	40
264	Understanding the uncertainty associated with particle-bound pollutant build-up and wash-off: A critical review. <i>Water Research</i> , <b>2016</b> , 101, 582-596	12.5	39
263	Efficiency of Fe <sup>III</sup> montmorillonite on the removal of Rhodamine B and hexavalent chromium from aqueous solution. <i>Applied Clay Science</i> , <b>2016</b> , 120, 9-15	5.2	39
262	Influence of pollutant build-up on variability in wash-off from urban road surfaces. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 344-50	10.2	39
261	Temporal trends and bioavailability assessment of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 89, 464-472	6.7	39
260	Interaction between functionalized graphene and sulfur compounds in a lithium-sulfur battery - a density functional theory investigation.. <i>RSC Advances</i> , <b>2018</b> , 8, 2271-2279	3.7	38
259	Mathematical relationships for metal build-up on urban road surfaces based on traffic and land use characteristics. <i>Chemosphere</i> , <b>2014</b> , 99, 267-71	8.4	38
258	Health risk assessment of heavy metals in atmospheric deposition in a congested city environment in a developing country: Kandy City, Sri Lanka. <i>Journal of Environmental Management</i> , <b>2018</b> , 220, 198-206	7.9	38
257	Two-Dimensional Bismuth Oxide Heterostructured Nanosheets for Lithium- and Sodium-Ion Storages. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28205-28212	9.5	37
256	Comparison of odour emission rates measured from various sources using two sampling devices. <i>Bioresour Technol</i> , <b>2009</b> , 100, 118-24	11	37
255	Evaluation of pollutant build-up and wash-off from selected land uses at the Port of Brisbane, Australia. <i>Marine Pollution Bulletin</i> , <b>2009</b> , 58, 213-21	6.7	36
254	Exploratory multivariate modeling and prediction of the physico-chemical properties of surface water and groundwater. <i>Journal of Hydrology</i> , <b>2007</b> , 336, 115-124	6	36
253	Remediation of Cr (VI) by inorganic-organic clay. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 490, 163-173	17.3	34
252	Simultaneous adsorption of Cd(II) and phosphate on Al <sup>3+</sup> pillared montmorillonite. <i>RSC Advances</i> , <b>2015</b> , 5, 77227-77234	3.7	34
251	Application of multicriteria decision making methods to air quality in the microenvironments of residential houses in Brisbane, Australia. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 2609-16	10.3	34
250	An Investigation into the role of site and soil characteristics in onsite sewage treatment. <i>Environmental Geology</i> , <b>2003</b> , 44, 467-477		34

249	The synergistic effect of ultrasound power and magnetite incorporation on the sorption/desorption behavior of Cr(VI) and As(V) oxoanions in an aqueous system. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 569, 76-88	9.3	33
248	Adsorption of phenol, phosphate and Cd(II) by inorganic/organic montmorillonites: A comparative study of single and multiple solute. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 497, 63-71	5.1	33
247	Inherent errors in pollutant build-up estimation in considering urban land use as a lumped parameter. <i>Journal of Environmental Quality</i> , <b>2012</b> , 41, 1690-4	3.4	33
246	Determination of a set of surrogate parameters to assess urban stormwater quality. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 6251-9	10.2	33
245	Sulfate intercalated layered double hydroxides prepared by the reformation effect. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 107, 1123-1128	4.1	32
244	Sources and transport pathways of common heavy metals to urban road surfaces. <i>Ecological Engineering</i> , <b>2015</b> , 77, 98-102	3.9	32
243	Raman spectroscopic study of the uranyl phosphate mineral dewindtite. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 1362-1367	2.3	32
242	A multicriteria ranking of organotin(IV) compounds with fungicidal properties. <i>Applied Organometallic Chemistry</i> , <b>2003</b> , 17, 749-758	3.1	32
241	Microorganisms and heavy metals associated with atmospheric deposition in a congested urban environment of a developing country: Sri Lanka. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 803-812	10.2	31
240	Past 140-year environmental record in the northern South China Sea: evidence from coral skeletal trace metal variations. <i>Environmental Pollution</i> , <b>2014</b> , 185, 97-106	9.3	31
239	Assessment and management of human health risk from toxic metals and polycyclic aromatic hydrocarbons in urban stormwater arising from anthropogenic activities and traffic congestion. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 202-211	10.2	31
238	Heavy metals transport pathways: The importance of atmospheric pollution contributing to stormwater pollution. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 164, 696-703	7	31
237	Towards interference free HPLC-SERS for the trace analysis of drug metabolites in biological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 136, 38-43	3.5	30
236	A thermoanalytical assessment of an organoclay. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 107, 1137-1142	4.1	30
235	Thermal stability and hot-stage Raman spectroscopic study of Ca-montmorillonite modified with different surfactants: A comparative study. <i>Thermochimica Acta</i> , <b>2013</b> , 569, 151-160	2.9	30
234	Removal of herbicides from aqueous solutions by modified forms of montmorillonite. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 415, 127-32	9.3	30
233	Distribution of PBDEs, HBCDs and PCBs in the Brisbane River estuary sediment. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 120, 165-173	6.7	29
232	Assessing the significance of climate and community factors on urban water demand. <i>International Journal of Sustainable Built Environment</i> , <b>2015</b> , 4, 222-230		29

231	Efficient Removal of Cationic and Anionic Radioactive Pollutants from Water Using Hydrotalcite-Based Getters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16503-10	9.5	29
230	Taxonomy for rainfall events based on pollutant wash-off potential in urban areas. <i>Ecological Engineering</i> , <b>2012</b> , 47, 110-114	3.9	29
229	Prediction model of the buildup of volatile organic compounds on urban roads. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4453-9	10.3	29
228	Understanding nutrient build-up on urban road surfaces. <i>Journal of Environmental Sciences</i> , <b>2010</b> , 22, 806-12	6.4	29
227	Honeycomb-Inspired Heterogeneous Bimetallic Co/Mo Oxide Nanoarchitectures for High-Rate Electrochemical Lithium Storage. <i>Small Methods</i> , <b>2019</b> , 3, 1900055	12.8	28
226	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-16	3.2	28
225	Contamination impact and human health risk assessment of heavy metals in surface soils from selected major mining areas in Ghana. <i>Environmental Geochemistry and Health</i> , <b>2019</b> , 41, 2821-2843	4.7	27
224	Distribution of polycyclic aromatic hydrocarbons in urban stormwater in Queensland, Australia. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2848-56	9.3	27
223	Transformation and degradation of polycyclic aromatic hydrocarbons (PAHs) in urban road surfaces: Influential factors, implications and recommendations. <i>Environmental Pollution</i> , <b>2020</b> , 257, 113810	8.3	27
222	Engineered technologies for the separation and degradation of microplastics in water: A review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128692	14.7	27
221	Disaster awareness and information seeking behaviour among residents from low socio-economic backgrounds. <i>International Journal of Disaster Risk Reduction</i> , <b>2018</b> , 31, 1121-1131	4.5	27
220	Assessing uncertainty in pollutant build-up and wash-off processes. <i>Environmental Pollution</i> , <b>2016</b> , 212, 48-56	9.3	26
219	Dual chemosensor for the rapid detection of mercury(ii) pollution and biothiols. <i>Analyst, The</i> , <b>2019</b> , 144, 4908-4916	5	26
218	Role of Land Use and Seasonal Factors in Water Quality Degradations. <i>Water Resources Management</i> , <b>2013</b> , 27, 3433-3440	3.7	26
217	Reproducible and label-free biosensor for the selective extraction and rapid detection of proteins in biological fluids. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 43	9.4	26
216	Analysis of the build-up of semi and non volatile organic compounds on urban roads. <i>Water Research</i> , <b>2011</b> , 45, 2835-44	12.5	26
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214	Spectroelectrochemical Nanosensor for the Determination of Cystatin C in Human Blood. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10843-10850	7.8	26

213	Rapid detection of mercury contamination in water by surface enhanced Raman spectroscopy. <i>RSC Advances</i> , <b>2017</b> , 7, 21567-21575	3.7	25
212	Nutrients and metals interactions between water and sediment phases: An urban river case study. <i>Environmental Pollution</i> , <b>2019</b> , 251, 354-362	9.3	25
211	Molecular recognition of 2,4,6-trinitrotoluene by 6-aminohexanethiol and surface-enhanced Raman scattering sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 273-280	8.5	25
210	From spent Mg/Al layered double hydroxide to porous carbon materials. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 572-580	12.8	25
209	Molecular recognition and detection of Pb(II) ions in water by aminobenzo-18-crown-6 immobilised onto a nanostructured SERS substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 1945-1952	8.5	25
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207	Time as the critical factor in the investigation of the relationship between pollutant wash-off and rainfall characteristics. <i>Ecological Engineering</i> , <b>2014</b> , 64, 301-305	3.9	25
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204	Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles.. <i>RSC Advances</i> , <b>2018</b> , 8, 7687-7696	3.7	24
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202	Optimization of in-cell accelerated solvent extraction technique for the determination of organochlorine pesticides in river sediments. <i>Talanta</i> , <b>2016</b> , 150, 278-85	6.2	24
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200	Catchment scale assessment of risk posed by traffic generated heavy metals and polycyclic aromatic hydrocarbons. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 144, 593-600	7	24
199	Source apportionment of ultrafine and fine particle concentrations in Brisbane, Australia. <i>Environmental Science and Pollution Research</i> , <b>2011</b> , 19, 2942-50	5.1	24
198	Multi-criteria ranking and source identification of metals in public playgrounds in Queensland, Australia. <i>Geoderma</i> , <b>2012</b> , 173-174, 173-183	6.7	24
197	Physicochemical characterization of particulate emissions from a compression ignition engine employing two injection technologies and three fuels. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5498-505	10.3	24
196	Kinetics and mechanism of the oxidation of l-methionine by aqueous solution of chromium(VI). <i>Polyhedron</i> , <b>1988</b> , 7, 11-15	2.7	24

195	Ranking the factors influencing polycyclic aromatic hydrocarbons (PAHs) build-up on urban roads. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 139, 416-422	7	23
194	Quantifying the influence of surface physico-chemical properties of biosorbents on heavy metal adsorption. <i>Chemosphere</i> , <b>2019</b> , 234, 488-495	8.4	23
193	Characterisation of the impact of open biomass burning on urban air quality in Brisbane, Australia. <i>Environment International</i> , <b>2016</b> , 91, 230-42	12.9	23
192	Variability and uncertainty of particle build-up on urban road surfaces. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 1432-1437	10.2	23
191	Assessment of contamination and health risk of heavy metals in selected water bodies around gold mining areas in Ghana. <i>Environmental Monitoring and Assessment</i> , <b>2018</b> , 190, 406	3.1	23
190	Sectional analysis of the pollutant wash-off process based on runoff hydrograph. <i>Journal of Environmental Management</i> , <b>2014</b> , 134, 63-9	7.9	23
189	Understanding road surface pollutant wash-off and underlying physical processes using simulated rainfall. <i>Water Science and Technology</i> , <b>2008</b> , 57, 1241-6	2.2	23
188	Influence of surface hydrophobicity/hydrophilicity of biochar on the removal of emerging contaminants. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126277	14.7	23
187	Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. <i>Applied Clay Science</i> , <b>2019</b> , 168, 276-286	5.2	23
186	Incorporating process variability into stormwater quality modelling. <i>Science of the Total Environment</i> , <b>2015</b> , 533, 454-61	10.2	22
185	Ultra sensitive label free surface enhanced Raman spectroscopy method for the detection of biomolecules. <i>Talanta</i> , <b>2014</b> , 130, 20-5	6.2	22
184	Comparison of partial extraction reagents for assessing potential bioavailability of heavy metals in sediments. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 106, 329-34	6.7	22
183	Hierarchy of factors which influence polycyclic aromatic hydrocarbons (PAHs) distribution in river sediments. <i>Environmental Pollution</i> , <b>2017</b> , 223, 81-89	9.3	21
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180	Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 774, 145586	10.2	21
179	Carbon-Phosphorus Bonds-Enriched 3D Graphene by Self-Sacrificing Black Phosphorus Nanosheets for Elevating Capacitive Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 21720-21729	9.5	21
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177	Intrinsic and extrinsic factors which influence metal adsorption to road dust. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 236-242	10.2	21
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175	Water-sediment interactions and mobility of heavy metals in aquatic environments. <i>Water Research</i> , <b>2021</b> , 202, 117386	12.5	21
174	Influence of land use configurations on river sediment pollution. <i>Environmental Pollution</i> , <b>2017</b> , 229, 639-646	9.3	20
173	Dispersal and transport of microplastics in river sediments. <i>Environmental Pollution</i> , <b>2021</b> , 279, 116884	9.3	20
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171	A highly sensitive SERS quenching nanosensor for the determination of tumor necrosis factor alpha in blood. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 310, 127867	8.5	19
170	Preparation and some reactions of the compounds HgVsi <sub>2</sub> , CdVsi <sub>2</sub> , and Hg(Vsi)Br [Vsi = (Me <sub>3</sub> Si) <sub>2</sub> = CHMe <sub>2</sub> Si]C]. Crystal structure of CdVsi <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 320, 137-143	2.3	19
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168	Structural and thermal properties of inorganic-organic montmorillonite: Implications for their potential environmental applications. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 459, 17-28	9.3	18
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166	Concentration and oxidative potential of on-road particle emissions and their relationship with traffic composition: Relevance to exposure assessment. <i>Atmospheric Environment</i> , <b>2012</b> , 59, 533-539	5.3	18
165	The impact of flood and post-flood cleaning on airborne microbiological and particle contamination in residential houses. <i>Environment International</i> , <b>2014</b> , 69, 9-17	12.9	18
164	Synthesis and Antifungal Activity of Some Organotin(IV) Carboxylates. <i>Metal-Based Drugs</i> , <b>1998</b> , 5, 233-6		18
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162	Assessing uncertainty in stormwater quality modelling. <i>Water Research</i> , <b>2016</b> , 103, 10-20	12.5	18
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160	Adsorption-desorption behavior of heavy metals in aquatic environments: Influence of sediment, water and metal ionic properties. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126743	12.8	18

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149	Influence of traffic on build-up of polycyclic aromatic hydrocarbons on urban road surfaces: A Bayesian network modelling approach. <i>Environmental Pollution</i> , <b>2018</b> , 237, 767-774	9.3	16
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