# Godwin A Ayoko

List of Publications by Year
in descending order



| 358 | 16,460 | 13865 67 | 29157 104 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 365 | 365 | 365 | 16251 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: How far have they gone?. Environment International, 2018, 116, 286-299. | 10.0 | 477 |
| 2 | Synthesis of layered double hydroxides containing Mg2+, Zn2+, Ca2+ and Al3+ layer cations by co-precipitation methodsâ€"A review. Applied Surface Science, 2016, 383, 200-213. | 6.1 | 282 |
| 3 | Comparison of pollution indices for the assessment of heavy metal in Brisbane River sediment. Environmental Pollution, 2016, 219, 1077-1091. | 7.5 | 267 |
| 4 | Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. Chemical Engineering Journal, 2017, 312, 336-350. | 12.7 | 267 |
| 5 | Understanding the role of land use in urban stormwater quality management. Journal of Environmental Management, 2005, 74, 31-42. | 7.8 | 265 |
| 6 | Source characterisation of road dust based on chemical and mineralogical composition. Chemosphere, 2012, 87, 163-170. | 8.2 | 264 |
| 7 | Airborne particles in indoor environment of homes, schools, offices and aged care facilities: The main routes of exposure. Environment International, 2017, 108, 75-83. | 10.0 | 256 |
| 8 | Microalgal Species Selection for Biodiesel Production Based on Fuel Properties Derived from Fatty Acid Profiles. Energies, 2013, 6, 5676-5702. | 3.1 | 254 |
| 9 | Human health risks of heavy metals in paddy rice based on transfer characteristics of heavy metals from soil to rice. Catena, 2019, 175, 339-348. | 5.0 | 223 |
| 10 | Development of a hybrid pollution index for heavy metals in marine and estuarine sediments. Environmental Monitoring and Assessment, 2015, 187, 306. | 2.7 | 222 |
| 11 | Analysis of heavy metals in road-deposited sediments. Analytica Chimica Acta, 2006, 571, 270-278. | 5.4 | 200 |
| 12 | A review of the removal of anions and oxyanions of the halogen elements from aqueous solution by layered double hydroxides. Journal of Colloid and Interface Science, 2014, 417, 356-368. | 9.4 | 184 |
| 13 | Application of chemometrics to analysis of soil pollutants. TrAC - Trends in Analytical Chemistry, 2010, 29, 430-445. | 11.4 | 180 |
| 14 | Tropospheric volatile organic compounds in China. Science of the Total Environment, 2017, 574, 1021-1043. | 8.0 | 169 |
| 15 | Understanding heavy metal and suspended solids relationships in urban stormwater using simulated rainfall. Journal of Environmental Management, 2005, 76, 149-158. | 7.8 | 168 |
| 16 | Application of organoclays for the adsorption of recalcitrant organic molecules from aqueous media. Journal of Colloid and Interface Science, 2011, 354, 292-305. | 9.4 | 168 |
| 17 | Cobalt oxide-based nanoarchitectures for electrochemical energy applications. Progress in Materials Science, 2019, 103, 596-677. | 32.8 | 166 |
| 18 | Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. Science of the Total Environment, 2020, 700, 134467. | 8.0 | 162 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Which emission sources are responsible for the volatile organic compounds in the atmosphere of Pearl River Delta?. Journal of Hazardous Materials, 2011, 188, 116-124. | 12.4 | 158 |
| 20 | Atmospheric deposition as a source of heavy metals in urban stormwater. Atmospheric Environment, 2013, 68, 235-242. | 4.1 | 154 |
| 21 | Human health risk assessment of heavy metals in urban stormwater. Science of the Total Environment, 2016, 557-558, 764-772. | 8.0 | 152 |
| 22 | Characterization of particle number concentrations and PM2.5 in a school: influence of outdoor air pollution on indoor air. Environmental Science and Pollution Research, 2010, 17, 1268-1278. | 5.3 | 147 |
| 23 | An Investigation into the Characteristics and Formation Mechanisms of Particles Originating from the Operation of Laser Printers. Environmental Science & Technology, 2009, 43, 1015-1022. | 10.0 | 128 |
| 24 | Influence of rainfall and catchment characteristics on urban stormwater quality. Science of the Total Environment, 2013, 444, 255-262. | 8.0 | 126 |
| 25 | Role of particle size and composition in metal adsorption by solids deposited on urban road surfaces. Environmental Pollution, 2014, 184, 44-53. | 7.5 | 126 |
| 26 | Understanding the physical processes of pollutant build-up and wash-off on roof surfaces. Science of the Total Environment, 2009, 407, 1834-1841. | 8.0 | 123 |
| 27 | Structural characterisation and environmental application of organoclays for the removal of phenolic compounds. Journal of Colloid and Interface Science, 2013, 393, 319-334. | 9.4 | 118 |
| 28 | Influence of Diesel Fuel Sulfur on Nanoparticle Emissions from City Buses. Environmental Science & Technology, 2006, 40, 1314-1320. | 10.0 | 117 |
| 29 | An inclusive and adaptive framework for measuring social resilience to disasters. International Journal of Disaster Risk Reduction, 2018, 28, 862-873. | 3.9 | 117 |
| 30 | Potential bioavailability assessment, source apportionment and ecological risk of heavy metals in the sediment of Brisbane River estuary, Australia. Marine Pollution Bulletin, 2017, 117, 523-531. | 5.0 | 115 |
| 31 | Water-sediment interactions and mobility of heavy metals in aquatic environments. Water Research, 2021, 202, 117386. | 11.3 | 114 |
| 32 | Removal of boron species by layered double hydroxides: A review. Journal of Colloid and Interface Science, 2013, 402, 114-121. | 9.4 | 112 |
| 33 | Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. Chemical Engineering Journal, 2016, 283, 880-888. | 12.7 | 112 |
| 34 | Performance characterisation of a stormwater treatment bioretention basin. Journal of Environmental Management, 2015, 150, 173-178. | 7.8 | 110 |
| 35 | Removal of bisphenol A from wastewater by Ca-montmorillonite modified with selected surfactants. Chemical Engineering Journal, 2013, 234, 416-422. | 12.7 | 108 |
| 36 | Source apportionment and risk assessment of PAHs in Brisbane River sediment, Australia. Ecological Indicators, 2017, 73, 784-799. | 6.3 | 108 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Effects of heteroatom doping on the performance of graphene in sodium-ion batteries: A density functional theory investigation. Carbon, 2018, 140, 276-285. | 10.3 | 106 |
| 38 | Bisphenol A degradation enhanced by air bubbles via advanced oxidation using in situ generated ferrous ions from nano zero-valent iron/palygorskite composite materials. Chemical Engineering Journal, 2014, 247, 66-74. | 12.7 | 102 |
| 39 | Particle and carbon dioxide emissions from passenger vehicles operating on unleaded petrol and LPG fuel. Science of the Total Environment, 2005, 345, 93-98. | 8.0 | 101 |
| 40 | Adsorption-desorption behavior of heavy metals in aquatic environments: Influence of sediment, water and metal ionic properties. Journal of Hazardous Materials, 2022, 421, 126743. | 12.4 | 100 |
| 41 | Enrichment, distribution and sources of heavy metals in the sediments of Deception Bay, Queensland, Australia. Marine Pollution Bulletin, 2014, 81, 248-255. | 5.0 | 98 |
| 42 | Bisphenol A sorption by organo-montmorillonite: Implications for the removal of organic contaminants from water. Chemosphere, 2014, 107, 249-256. | 8.2 | 98 |
| 43 | Synthesis and Raman spectroscopic characterisation of hydrotalcite with CO<sub>3</sub><sup>2â^'</sup> and (MoO<sub>4</sub>)<sup>2â^'</sup> anions in the interlayer. Journal of Raman Spectroscopy, 2008, 39, 395-401. | 2.5 | 95 |
| 44 | Ultrafine Particles in Indoor Air of a School: Possible Role of Secondary Organic Aerosols. Environmental Science & Technology, 2009, 43, 9103-9109. | 10.0 | 95 |
| 45 | Characterisation of organoclays and adsorption of p-nitrophenol: Environmental application. Journal of Colloid and Interface Science, 2011, 360, 440-456. | 9.4 | 94 |
| 46 | Influential factors on microplastics occurrence in river sediments. Science of the Total Environment, 2020, 738, 139901. | 8.0 | 94 |
| 47 | Visible light enhanced oxidant free dehydrogenation of aromatic alcohols using Auâ€“Pd alloy nanoparticle catalysts. Green Chemistry, 2014, 16, 331-341. | 9.0 | 92 |
| 48 | Role of traffic in atmospheric accumulation of heavy metals and polycyclic aromatic hydrocarbons. Atmospheric Environment, 2012, 54, 502-510. | 4.1 | 91 |
| 49 | Assessment of ecological and human health risks of metals in urban road dust based on geochemical fractionation and potential bioavailability. Science of the Total Environment, 2018, 635, 1609-1619. | 8.0 | 90 |
| 50 | Two-dimensional fluorine-free mesoporous Mo2C MXene via UV-induced selective etching of Mo2Ga2C for energy storage. Sustainable Materials and Technologies, 2020, 25, e00156. | 3.3 | 89 |
| 51 | Geochemical behavior assessment and apportionment of heavy metal contaminants in the bottom sediments of lower reach of Changjiang River. Catena, 2011, 85, 73-81. | 5.0 | 88 |
| 52 | Diffuse reflectance spectroscopy for monitoring potentially toxic elements in the agricultural soils of Changjiang River Delta, China. Applied Clay Science, 2012, 64, 75-83. | 5.2 | 82 |
| 53 | Engineered technologies for the separation and degradation of microplastics in water: A review. Chemical Engineering Journal, 2021, 414, 128692. | 12.7 | 81 |
| 54 | Heavy metal contamination in suspended solids of Changjiang River â€" environmental implications. Geoderma, 2010, 159, 286-295. | 5.1 | 80 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Degradation of simazine from aqueous solutions by diatomite-supported nanosized zero-valent iron composite materials. Journal of Hazardous Materials, 2013, 263, 768-777. | 12.4 | 80 |
| 56 | Use of physicochemical signatures to assess the sources of metals in urban road dust. Science of the Total Environment, 2016, 541, 1303-1309. | 8.0 | 79 |
| 57 | Dispersal and transport of microplastics in river sediments. Environmental Pollution, 2021, 279, 116884. | 7.5 | 78 |
| 58 | Impacts of Traffic and Rainfall Characteristics on Heavy Metals Build-up and Wash-off from Urban Roads. Environmental Science & Technology, 2010, 44, 8904-8910. | 10.0 | 77 |
| 59 | Thermogravimetric analysis of selected layered double hydroxides. Journal of Thermal Analysis and Calorimetry, 2013, 112, 649-657. | 3.6 | 77 |
| 60 | Adsorption of phenolic compounds by organoclays: Implications for the removal of organic pollutants from aqueous media. Journal of Colloid and Interface Science, 2013, 406, 196-208. | 9.4 | 76 |
| 61 | Characterising metal build-up on urban road surfaces. Environmental Pollution, 2013, 176, 87-91. | 7.5 | 75 |
| 62 | Characterization of elemental and polycyclic aromatic hydrocarbon compositions of urban air in Brisbane. Atmospheric Environment, 2005, 39, 463-476. | 4.1 | 72 |
| 63 | Raman spectroscopic study of the uranyl carbonate mineral voglite. Journal of Raman Spectroscopy, 2008, 39, 374-379. | 2.5 | 72 |
| 64 | Influence of Fatty Acid Structure on Fuel Properties of Algae Derived Biodiesel. Procedia Engineering, 2013, 56, 591-596. | 1.2 | 72 |
| 65 | Geochemical phase and particle size relationships of metals in urban road dust. Environmental Pollution, 2017, 230, 218-226. | 7.5 | 72 |
| 66 | Odour sampling. 2. Comparison of physical and aerodynamic characteristics of sampling devices: A review. Bioresource Technology, 2008, 99, 3993-4007. | 9.6 | 71 |
| 67 | Iodide removal using LDH technology. Chemical Engineering Journal, 2016, 296, 300-309. | 12.7 | 71 |
| 68 | Environmental applications of inorganicâ€“organic clays for recalcitrant organic pollutants removal: Bisphenol A. Journal of Colloid and Interface Science, 2016, 470, 183-195. | 9.4 | 69 |
| 69 | Black phosphorus nanosheets promoted 2D-TiO2-2D heterostructured anode for high-performance lithium storage. Energy Storage Materials, 2019, 19, 424-431. | 18.0 | 69 |
| 70 | Gold nanomaterials for the selective capturing and SERS diagnosis of toxins in aqueous and biological fluids. Biosensors and Bioelectronics, 2017, 91, 664-672. | 10.1 | 68 |
| 71 | Odour sampling 1: Physical chemistry considerations. Bioresource Technology, 2008, 99, 3982-3992. | 9.6 | 66 |
| 72 | Surfaceâ€Dependent Intermediate Adsorption Modulation on Iridiumâ€Modified Black Phosphorus Electrocatalysts for Efficient pHâ€Universal Water Splitting. Advanced Materials, 2021, 33, e2104638. | 21.0 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Quantitative assessment of human health risk posed by polycyclic aromatic hydrocarbons in urban road dust. Science of the Total Environment, 2017, 575, 895-904. | 8.0 | 64 |
| 74 | Evaluating the relationship between temporal changes in land use and resulting water quality. Environmental Pollution, 2018, 234, 480-486. | 7.5 | 64 |
| 75 | Raman spectroscopic study of the uranyl phosphate minerals phosphuranylite and yingjiangite. Journal of Raman Spectroscopy, 2008, 39, 495-502. | 2.5 | 63 |
| 76 | Analysis of build-up of heavy metals and volatile organics on urban roads in gold coast, Australia. Water Science and Technology, 2011, 63, 2077-2085. | 2.5 | 62 |
| 77 | Understanding the structure-property relationships in hydrothermally reduced graphene oxide hydrogels. Carbon, 2018, 137, 282-290. | 10.3 | 62 |
| 78 | Atmospheric polycyclic aromatic hydrocarbons in the urban environment: Occurrence, toxicity and source apportionment. Environmental Pollution, 2016, 208, 110-117. | 7.5 | 61 |
| 79 | Heavy metals transport pathways: The importance of atmospheric pollution contributing to stormwater pollution. Ecotoxicology and Environmental Safety, 2018, 164, 696-703. | 6.0 | 60 |
| 80 | The effects of fuel characteristics and engine operating conditions on the elemental composition of emissions from heavy duty diesel buses. Fuel, 2007, 86, 1831-1839. | 6.4 | 59 |
| 81 | Process variability of pollutant build-up on urban road surfaces. Science of the Total Environment, 2015, 518-519, 434-440. | 8.0 | 59 |
| 82 | Plasmonic Switching of the Reaction Pathway: Visibleâ€Light Irradiation Varies the Reactant Concentration at the Solidâ€“Solution Interface of a Goldâ€“Cobalt Catalyst. Angewandte Chemie - International Edition, 2019, 58, 12032-12036. | 13.8 | 59 |
| 83 | Use of chemometrics methods and multicriteria decision-making for site selection for sustainable on-site sewage effluent disposal. Analytica Chimica Acta, 2004, 506, 41-56. | 5.4 | 58 |
| 84 | Volatile Organic Compounds: Characteristics, distribution and sources in urban schools. Atmospheric Environment, 2015, 106, 485-491. | 4.1 | 58 |
| 85 | A comparative study of the elemental composition of the exhaust emissions of cars powered by liquefied petroleum gas and unleaded petrol. Atmospheric Environment, 2006, 40, 3111-3122. | 4.1 | 57 |
| 86 | Taxonomy of factors which influence heavy metal build-up on urban road surfaces. Journal of Hazardous Materials, 2016, 310, 20-29. | 12.4 | 57 |
| 87 | Contamination impact and human health risk assessment of heavy metals in surface soils from selected major mining areas in Ghana. Environmental Geochemistry and Health, 2019, 41, 2821-2843. | 3.4 | 57 |
| 88 | A review of iron species for visible-light photocatalytic water purification. Environmental Science and Pollution Research, 2015, 22, 7439-7449. | 5.3 | 56 |
| 89 | Health risk assessment of heavy metals in atmospheric deposition in a congested city environment in a developing country: Kandy City, Sri Lanka. Journal of Environmental Management, 2018, 220, 198-206. | 7.8 | 56 |
| 90 | Transformation and degradation of polycyclic aromatic hydrocarbons (PAHs) in urban road surfaces: Influential factors, implications and recommendations. Environmental Pollution, 2020, 257, 113510. | 7.5 | 56 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | 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. Journal of Colloid and Interface Science, 2020, 569, 76-88. | 9.4 | 56 |
| 92 | Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine: The Influence of Biodiesel Feedstock. Environmental Science & Technology, 2011, 45, 10337-10343. | 10.0 | 54 |
| 93 | Adsorption and mobility of metals in build-up on road surfaces. Chemosphere, 2015, 119, 1391-1398. | 8.2 | 54 |
| 94 | Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. Science of the Total Environment, 2021, 774, 145586. | 8.0 | 54 |
| 95 | Raman spectroscopy of uranopilite of different originsâ€"implications for molecular structure. Journal of Raman Spectroscopy, 2007, 38, 398-409. | 2.5 | 53 |
| 96 | XRD, TEM, and thermal analysis of Arizona Ca-montmorillonites modified with didodecyldimethylammonium bromide. Journal of Colloid and Interface Science, 2013, 408, 75-81. | 9.4 | 53 |
| 97 | Efficiency of Feâ€"montmorillonite on the removal of Rhodamine B and hexavalent chromium from aqueous solution. Applied Clay Science, 2016, 120, 9-15. | 5.2 | 53 |
| 98 | Disaster awareness and information seeking behaviour among residents from low socio-economic backgrounds. International Journal of Disaster Risk Reduction, 2018, 31, 1121-1131. | 3.9 | 52 |
| 99 | Two-Dimensional Bismuth Oxide Heterostructured Nanosheets for Lithium- and Sodium-Ion Storages. ACS Applied Materials & Interfaces, 2019, 11, 28205-28212. | 8.0 | 52 |
| 100 | Nutrients and metals interactions between water and sediment phases: An urban river case study. Environmental Pollution, 2019, 251, 354-362. | 7.5 | 52 |
| 101 | Emerging materials and technologies for landfill leachate treatment: A critical review. Environmental Pollution, 2021, 291, 118133. | 7.5 | 52 |
| 102 | Performance Evaluation of the UVAPS in Measuring Biological Aerosols: Fluorescence Spectra from NAD(P)H Coenzymes and Riboflavin. Aerosol Science and Technology, 2004, 38, 354-364. | 3.1 | 50 |
| 103 | Emissions from a vehicle fitted to operate on either petrol or compressed natural gas. Science of the Total Environment, 2004, 323, 179-194. | 8.0 | 50 |
| 104 | Raman spectroscopic and SEM analysis of sodiumâ€zippeite. Journal of Raman Spectroscopy, 2007, 38, 1311-1319. | 2.5 | 50 |
| 105 | Microorganisms and heavy metals associated with atmospheric deposition in a congested urban environment of a developing country: Sri Lanka. Science of the Total Environment, 2017, 584-585, 803-812. | 8.0 | 50 |
| 106 | Interaction between functionalized graphene and sulfur compounds in a lithiumâ€"sulfur battery â€" a density functional theory investigation. RSC Advances, 2018, 8, 2271-2279. | 3.6 | 50 |
| 107 | Influence of fuel composition on polycyclic aromatic hydrocarbon emissions from a fleet of in-service passenger cars. Atmospheric Environment, 2007, 41, 150-160. | 4.1 | 49 |
| 108 | Role of Solids in Heavy Metals Buildup on Urban Road Surfaces. Journal of Environmental Engineering, ASCE, 2012, 138, 490-498. | 1.4 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Temporal trends and bioavailability assessment of heavy metals in the sediments of Deception Bay, Queensland, Australia. Marine Pollution Bulletin, 2014, 89, 464-472. | 5.0 | 48 |
| 110 | Remediation of Cr (VI) by inorganic-organic clay. Journal of Colloid and Interface Science, 2017, 490, 163-173. | 9.4 | 48 |
| 111 | Quantification of the relationship between fuser roller temperature and laser printer emissions. Journal of Aerosol Science, 2010, 41, 523-530. | 3.8 | 47 |
| 112 | Taxonomy of influential factors for predicting pollutant first flush in urban stormwater runoff. Water Research, 2019, 166, 115075. | 11.3 | 47 |
| 113 | Exploratory multivariate modeling and prediction of the physico-chemical properties of surface water and groundwater. Journal of Hydrology, 2007, 336, 115-124. | 5.4 | 46 |
| 114 | Comparison of odour emission rates measured from various sources using two sampling devices. Bioresource Technology, 2009, 100, 118-124. | 9.6 | 46 |
| 115 | Physico-chemical properties of sediments governing the bioavailability of heavy metals in urban waterways. Science of the Total Environment, 2021, 763, 142984. | 8.0 | 46 |
| 116 | Influence of pollutant build-up on variability in wash-off from urban road surfaces. Science of the Total Environment, 2015, 527-528, 344-350. | 8.0 | 45 |
| 117 | Influence of surface hydrophobicity/hydrophilicity of biochar on the removal of emerging contaminants. Chemical Engineering Journal, 2020, 402, 126277. | 12.7 | 45 |
| 118 | Oxidation of l-cysteine, mercaptoacetic acid and Î²-mercaptoethylamine by 12-tungstocobaltate(III). Polyhedron, 1983, 2, 577-582. | 2.2 | 44 |
| 119 | Understanding the uncertainty associated with particle-bound pollutant build-up and wash-off: A critical review. Water Research, 2016, 101, 582-596. | 11.3 | 44 |
| 120 | Mathematical relationships for metal build-up on urban road surfaces based on traffic and land use characteristics. Chemosphere, 2014, 99, 267-271. | 8.2 | 43 |
| 121 | Adsorption of phenol, phosphate and Cd(II) by inorganicâ€“organic montmorillonites: A comparative study of single and multiple solute. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 63-71. | 4.7 | 43 |
| 122 | Application of quantitative structure-activity relationship (QSAR) model in comprehensive human health risk assessment of PAHs, and alkyl-, nitro-, carbonyl-, and hydroxyl-PAHs laden in urban road dust. Journal of Hazardous Materials, 2020, 383, 121154. | 12.4 | 43 |
| 123 | Distribution of PBDEs, HBCDs and PCBs in the Brisbane River estuary sediment. Marine Pollution Bulletin, 2017, 120, 165-173. | 5.0 | 41 |
| 124 | Assessment and management of human health risk from toxic metals and polycyclic aromatic hydrocarbons in urban stormwater arising from anthropogenic activities and traffic congestion. Science of the Total Environment, 2017, 579, 202-211. | 8.0 | 41 |
| 125 | Factors Affecting Microalgae Production for Biofuels and the Potentials of Chemometric Methods in Assessing and Optimizing Productivity. Cells, 2019, 8, 851. | 4.1 | 41 |
| 126 | An Investigation into the role of site and soil characteristics in onsite sewage treatment. Environmental Geology, 2003, 44, 467-477. | 1.2 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Evaluation of pollutant build-up and wash-off from selected land uses at the Port of Brisbane, Australia. Marine Pollution Bulletin, 2009, 58, 213-221. | 5.0 | 40 |
| 128 | Determination of a set of surrogate parameters to assess urban stormwater quality. Science of the Total Environment, 2010, 408, 6251-6259. | 8.0 | 40 |
| 129 | Efficient Removal of Cationic and Anionic Radioactive Pollutants from Water Using Hydrotalcite-Based Getters. ACS Applied Materials & Interfaces, 2016, 8, 16503-16510. | 8.0 | 40 |
| 130 | Rapid detection of mercury contamination in water by surface enhanced Raman spectroscopy. RSC Advances, 2017, 7, 21567-21575. | 3.6 | 40 |
| 131 | Honeycombâ€Inspired Heterogeneous Bimetallic Coâ€“Mo Oxide Nanoarchitectures for Highâ€Rate Electrochemical Lithium Storage. Small Methods, 2019, 3, 1900055. | 8.6 | 40 |
| 132 | Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. Applied Clay Science, 2019, 168, 276-286. | 5.2 | 40 |
| 133 | Inherent Errors in Pollutant Buildâ€Up Estimation in Considering Urban Land Use as a Lumped Parameter. Journal of Environmental Quality, 2012, 41, 1690-1694. | 2.0 | 39 |
| 134 | Simultaneous adsorption of Cd(<scp>ii</scp>) and phosphate on Al<sub>13</sub> pillared montmorillonite. RSC Advances, 2015, 5, 77227-77234. | 3.6 | 39 |
| 135 | Sources and transport pathways of common heavy metals to urban road surfaces. Ecological Engineering, 2015, 77, 98-102. | 3.6 | 39 |
| 136 | Assessment of contamination and health risk of heavy metals in selected water bodies around gold mining areas in Ghana. Environmental Monitoring and Assessment, 2018, 190, 406. | 2.7 | 39 |
| 137 | Past 140-year environmental record in the northern South China Sea: Evidence from coral skeletal trace metal variations. Environmental Pollution, 2014, 185, 97-106. | 7.5 | 38 |
| 138 | Assessing the significance of climate and community factors on urban water demand. International Journal of Sustainable Built Environment, 2015, 4, 222-230. | 3.2 | 38 |
| 139 | Application of Multicriteria Decision Making Methods to Air Quality in the Microenvironments of Residential Houses in Brisbane, Australia. Environmental Science & Technology, 2004, 38, 2609-2616. | 10.0 | 37 |
| 140 | Sulfate intercalated layered double hydroxides prepared by the reformation effect. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1123-1128. | 3.6 | 37 |
| 141 | Removal of herbicides from aqueous solutions by modified forms of montmorillonite. Journal of Colloid and Interface Science, 2014, 415, 127-132. | 9.4 | 37 |
| 142 | Quantifying the influence of surface physico-chemical properties of biosorbents on heavy metal adsorption. Chemosphere, 2019, 234, 488-495. | 8.2 | 37 |
| 143 | Influence of microplastics on nutrients and metal concentrations in river sediments. Environmental Pollution, 2020, 263, 114490. | 7.5 | 37 |
| 144 | Application of organo-beidellites for the adsorption of atrazine. Applied Clay Science, 2015, 105-106, 252-258. | 5.2 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Dual chemosensor for the rapid detection of mercury(ii) pollution and biothiols. Analyst, The, 2019, 144, 4908-4916. | 3.5 | 36 |
| 146 | A multicriteria ranking of organotin(IV) compounds with fungicidal properties. Applied Organometallic Chemistry, 2003, 17, 749-758. | 3.5 | 35 |
| 147 | A thermoanalytical assessment of an organoclay. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1137-1142. | 3.6 | 35 |
| 148 | Spectroelectrochemical Nanosensor for the Determination of Cystatin C in Human Blood. Analytical Chemistry, 2018, 90, 10843-10850. | 6.5 | 35 |
| 149 | Behaviour of metals in an urban river and the pollution of estuarine environment. Water Research, 2019, 164, 114911. | 11.3 | 35 |
| 150 | Raman spectroscopic study of the uranyl phosphate mineral dewindtite. Journal of Raman Spectroscopy, 2006, 37, 1362-1367. | 2.5 | 34 |
| 151 | Understanding nutrient build-up on urban road surfaces. Journal of Environmental Sciences, 2010, 22, 806-812. | 6.1 | 34 |
| 152 | Taxonomy for rainfall events based on pollutant wash-off potential in urban areas. Ecological Engineering, 2012, 47, 110-114. | 3.6 | 34 |
| 153 | Thermal stability and hot-stage Raman spectroscopic study of Ca-montmorillonite modified with different surfactants: A comparative study. Thermochimica Acta, 2013, 569, 151-160. | 2.7 | 34 |
| 154 | Characterisation of the impact of open biomass burning on urban air quality in Brisbane, Australia. Environment International, 2016, 91, 230-242. | 10.0 | 34 |
| 155 | Molecular recognition and detection of Pb(II) ions in water by aminobenzo-18-crown-6 immobilised onto a nanostructured SERS substrate. Sensors and Actuators B: Chemical, 2018, 255, 1945-1952. | 7.8 | 34 |
| 156 | Solubilization and degradation of polychlorinated biphenyls (PCBs) by naturally occurring facultative anaerobic bacteria. Science of the Total Environment, 2019, 651, 2197-2207. | 8.0 | 34 |
| 157 | Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. Journal of Nanomaterials, 2014, 2014, 1-16. | 2.7 | 33 |
| 158 | Time as the critical factor in the investigation of the relationship between pollutant wash-off and rainfall characteristics. Ecological Engineering, 2014, 64, 301-305. | 3.6 | 33 |
| 159 | Comparison of partial extraction reagents for assessing potential bioavailability of heavy metals in sediments. Marine Pollution Bulletin, 2016, 106, 329-334. | 5.0 | 33 |
| 160 | Towards interference free HPLC-SERS for the trace analysis of drug metabolites in biological fluids. Journal of Pharmaceutical and Biomedical Analysis, 2017, 136, 38-43. | 2.8 | 33 |
| 161 | Multivariate linear regression model for source apportionment and health risk assessment of heavy metals from different environmental media. Ecotoxicology and Environmental Safety, 2018, 165, 555-563. | 6.0 | 33 |
| 162 | Effective degradation of polychlorinated biphenyls by a facultative anaerobic bacterial consortium using alternating anaerobic aerobic treatments. Science of the Total Environment, 2019, 659, 507-514. | 8.0 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Carbonâ€“Phosphorus Bonds-Enriched 3D Graphene by Self-Sacrificing Black Phosphorus Nanosheets for Elevating Capacitive Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 21720-21729. | 8.0 | 33 |
| 164 | Distribution of polycyclic aromatic hydrocarbons in urban stormwater in Queensland, Australia. Environmental Pollution, 2010, 158, 2848-2856. | 7.5 | 32 |
| 165 | Prediction Model of the Buildup of Volatile Organic Compounds on Urban Roads. Environmental Science & Technology, 2011, 45, 4453-4459. | 10.0 | 32 |
| 166 | Molecular recognition of 2,4,6-trinitrotoluene by 6-aminohexanethiol and surface-enhanced Raman scattering sensor. Sensors and Actuators B: Chemical, 2015, 221, 273-280. | 7.8 | 32 |
| 167 | Source quantification and risk assessment as a foundation for risk management of metals in urban road deposited solids. Journal of Hazardous Materials, 2021, 408, 124912. | 12.4 | 32 |
| 168 | Determination of Surrogate Indicators for Phosphorus and Solids in Urban Stormwater: Application of Multivariate Data Analysis Techniques. Water, Air, and Soil Pollution, 2007, 182, 149-161. | 2.4 | 31 |
| 169 | Analysis of the build-up of semi and non volatile organic compounds on urban roads. Water Research, 2011, 45, 2835-2844. | 11.3 | 31 |
| 170 | Source apportionment of ultrafine and fine particle concentrations in Brisbane, Australia. Environmental Science and Pollution Research, 2012, 19, 2942-2950. | 5.3 | 31 |
| 171 | Sectional analysis of the pollutant wash-off process based on runoff hydrograph. Journal of Environmental Management, 2014, 134, 63-69. | 7.8 | 31 |
| 172 | Assessing uncertainty in pollutant build-up and wash-off processes. Environmental Pollution, 2016, 212, 48-56. | 7.5 | 31 |
| 173 | Role of Land Use and Seasonal Factors in Water Quality Degradations. Water Resources Management, 2013, 27, 3433-3440. | 3.9 | 30 |
| 174 | The impact of flood and post-flood cleaning on airborne microbiological and particle contamination in residential houses. Environment International, 2014, 69, 9-17. | 10.0 | 30 |
| 175 | Reproducible and label-free biosensor for the selective extraction and rapid detection of proteins in biological fluids. Journal of Nanobiotechnology, 2015, 13, 43. | 9.1 | 30 |
| 176 | Optimization of in-cell accelerated solvent extraction technique for the determination of organochlorine pesticides in river sediments. Talanta, 2016, 150, 278-285. | 5.5 | 30 |
| 177 | Water Resources Management: Innovation and Challenges in a Changing World. Water (Switzerland), 2017, 9, 281. | 2.7 | 30 |
| 178 | Variability and uncertainty of particle build-up on urban road surfaces. Science of the Total Environment, 2018, 640-641, 1432-1437. | 8.0 | 30 |
| 179 | A highly sensitive SERS quenching nanosensor for the determination of tumor necrosis factor alpha in blood. Sensors and Actuators B: Chemical, 2020, 310, 127867. | 7.8 | 30 |
| 180 | Influence of uncertainty inherent to heavy metal build-up and wash-off on stormwater quality. Water Research, 2016, 91, 264-276. | 11.3 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Influence of land use configurations on river sediment pollution. Environmental Pollution, 2017, 229, 639-646. | 7.5 | 29 |
| 182 | Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles. RSC Advances, 2018, 8, 7687-7696. | 3.6 | 29 |
| 183 | Assessing mercury pollution in Amazon River tributaries using a Bayesian Network approach. Ecotoxicology and Environmental Safety, 2018, 166, 354-358. | 6.0 | 29 |
| 184 | Impact of global warming on urban stormwater quality: From the perspective of an alternative water resource. Journal of Cleaner Production, 2020, 262, 121330. | 9.3 | 29 |
| 185 | Ultra sensitive label free surface enhanced Raman spectroscopy method for the detection of biomolecules. Talanta, 2014, 130, 20-25. | 5.5 | 28 |
| 186 | From spent Mg/Al layered double hydroxide to porous carbon materials. Journal of Hazardous Materials, 2015, 300, 572-580. | 12.4 | 28 |
| 187 | Cadmium transfer from contaminated soils to the human body through rice consumption in southern Jiangsu Province, China. Environmental Sciences: Processes and Impacts, 2017, 19, 843-850. | 3.5 | 28 |
| 188 | Catchment scale assessment of risk posed by traffic generated heavy metals and polycyclic aromatic hydrocarbons. Ecotoxicology and Environmental Safety, 2017, 144, 593-600. | 6.0 | 28 |
| 189 | Intrinsic and extrinsic factors which influence metal adsorption to road dust. Science of the Total Environment, 2018, 618, 236-242. | 8.0 | 28 |
| 190 | Fabrication of nanostructured SERS substrates on conductive solid platforms for environmental application. Critical Reviews in Environmental Science and Technology, 2019, 49, 1294-1329. | 12.8 | 28 |
| 191 | Geological load and health risk of heavy metals uptake by tea from soil: What are the significant influencing factors?. Catena, 2021, 204, 105419. | 5.0 | 28 |
| 192 | Multi-criteria ranking and source identification of metals in public playgrounds in Queensland, Australia. Geoderma, 2012, 173-174, 173-183. | 5.1 | 27 |
| 193 | Simultaneous adsorption and degradation of 2,4-dichlorophenol on sepiolite-supported bimetallic Fe/Ni nanoparticles. Journal of Environmental Chemical Engineering, 2019, 7, 102955. | 6.7 | 27 |
| 194 | Pharmaceuticals, personal care products, food additive and pesticides in surface waters from three Australian east coast estuaries (Sydney, Yarra and Brisbane). Marine Pollution Bulletin, 2020, 153, 111014. | 5.0 | 27 |
| 195 | Preparation and some reactions of the compounds HgVsi2, CdVsi2, and Hg(Vsi)Br [Vsi = (Me3Si)2 = | 1.8 | 26 |
| 196 | Kinetics and mechanism of the oxidation of l-methionine by aqueous solution of chromium(VI). Polyhedron, 1988, 7, 11-15. | 2.2 | 26 |
| 197 | Structural and thermal properties of inorganicâ€“organic montmorillonite: Implications for their potential environmental applications. Journal of Colloid and Interface Science, 2015, 459, 17-28. | 9.4 | 26 |
| 198 | Use of surrogate indicators for the evaluation of potential health risks due to poor urban water quality: A Bayesian Network approach. Environmental Pollution, 2018, 233, 655-661. | 7.5 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Understanding road surface pollutant wash-off and underlying physical processes using simulated rainfall. Water Science and Technology, 2008, 57, 1241-1246. | 2.5 | 25 |
| 200 | Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine Employing Two Injection Technologies and Three Fuels. Environmental Science & Technology, 2011, 45, 5498-5505. | 10.0 | 25 |
| 201 | Incorporating process variability into stormwater quality modelling. Science of the Total Environment, 2015, 533, 454-461. | 8.0 | 25 |
| 202 | Ranking the factors influencing polycyclic aromatic hydrocarbons (PAHs) build-up on urban roads. Ecotoxicology and Environmental Safety, 2017, 139, 416-422. | 6.0 | 25 |
| 203 | Linking source characterisation and human health risk assessment of metals to rainfall characteristics. Environmental Pollution, 2018, 238, 866-873. | 7.5 | 25 |
| 204 | A Critical Review of Social Resilience Properties and Pathways in Disaster Management. International Journal of Disaster Risk Science, 2021, 12, 790-804. | 2.9 | 25 |
| 205 | Concentration and oxidative potential of on-road particle emissions and their relationship with traffic composition: Relevance to exposure assessment. Atmospheric Environment, 2012, 59, 533-539. | 4.1 | 24 |
| 206 | A homogeneous surface-enhanced Raman scattering platform for ultra-trace detection of trinitrotoluene in the environment. Analytical Methods, 2015, 7, 3863-3868. | 2.7 | 24 |
| 207 | Hierarchy of factors which influence polycyclic aromatic hydrocarbons (PAHs) distribution in river sediments. Environmental Pollution, 2017, 223, 81-89. | 7.5 | 24 |
| 208 | Re-thinking classical mechanistic model for pollutant build-up on urban impervious surfaces. Science of the Total Environment, 2019, 651, 114-121. | 8.0 | 24 |
| 209 | Development and characterization of meropenem dry powder inhaler formulation for pulmonary drug delivery. International Journal of Pharmaceutics, 2020, 587, 119684. | 5.2 | 24 |
| 210 | Thermal stability of organoclays with mono- and di-alkyl cationic surfactants. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1087-1093. | 3.6 | 23 |
| 211 | Influence of urbanisation characteristics on the variability of particle-bound heavy metals build-up: A comparative study between China and Australia. Environmental Pollution, 2018, 242, 1067-1077. | 7.5 | 23 |
| 212 | Influence of photolysis on source characterization and health risk of polycyclic aromatic hydrocarbons (PAHs), and carbonyl-, nitro-, hydroxy- PAHs in urban road dust. Environmental Pollution, 2021, 269, 116103. | 7.5 | 23 |
| 213 | Synthesis and Antifungal Activity of Some Organotin(IV) Carboxylates. Metal-Based Drugs, 1998, 5, 233-236. | 3.8 | 22 |
| 214 | Optimized simultaneous pressurized fluid extraction and in-cell clean-up, and analysis of polycyclic aromatic hydrocarbons (PAHs), and nitro-, carbonyl-, hydroxy -PAHs in solid particles. Analytica Chimica Acta, 2020, 1125, 19-28. | 5.4 | 22 |
| 215 | Uncertainty analysis of pollutant build-up modelling based on a Bayesian weighted least squares approach. Science of the Total Environment, 2013, 449, 410-417. | 8.0 | 21 |
| 216 | Rapid Quantification of Methamphetamine: Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy (ATR-FTIR) and Chemometrics. PLoS ONE, 2013, 8, e69609. | 2.5 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Assessing uncertainty in stormwater quality modelling. Water Research, 2016, 103, 10-20. | 11.3 | 21 |
| 218 | Understanding re-distribution of road deposited particle-bound pollutants using a Bayesian Network (BN) approach. Journal of Hazardous Materials, 2018, 355, 56-64. | 12.4 | 21 |
| 219 | Transformation processes of metals associated with urban road dust: A critical review. Critical Reviews in Environmental Science and Technology, 2019, 49, 1675-1699. | 12.8 | 21 |
| 220 | Influence of land use class and configuration on water-sediment partitioning of heavy metals. Science of the Total Environment, 2022, 804, 150116. | 8.0 | 21 |
| 221 | The kinetics of the oxidation of iodide and thiocyanate ions by 12-tungstocobaltate(III). Polyhedron, 1984, 3, 191-197. | 2.2 | 20 |
| 222 | Influence of traffic characteristics on polycyclic aromatic hydrocarbon build-up on urban road surfaces. International Journal of Environmental Science and Technology, 2014, 11, 2329-2336. | 3.5 | 20 |
| 223 | Determination of refractive and volatile elements in sediment using laser ablation inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2015, 898, 19-27. | 5.4 | 20 |
| 224 | Leaching of iodide (Iâˆ’) and iodate (IO3âˆ’) anions from synthetic layered double hydroxide materials. Journal of Colloid and Interface Science, 2016, 478, 311-315. | 9.4 | 20 |
| 225 | Sorption of iodide (Iâˆ’) from aqueous solution using Mg/Al layered double hydroxides. Materials Science and Engineering C, 2017, 77, 1228-1234. | 7.3 | 20 |
| 226 | Catchment based estimation of pollutant event mean concentration (EMC) and implications for first flush assessment. Journal of Environmental Management, 2021, 279, 111737. | 7.8 | 20 |
| 227 | The relationship between building characteristics and the chemical composition of surface films found on glass windows in Brisbane, Australia. Building and Environment, 2009, 44, 2228-2235. | 6.9 | 19 |
| 228 | Sources of hydrocarbons in urban road dust: Identification, quantification and prediction. Environmental Pollution, 2016, 216, 80-85. | 7.5 | 19 |
| 229 | Role of residence time on the transformation of Zn, Cu, Pb and Cd attached to road dust in different land uses. Ecotoxicology and Environmental Safety, 2018, 153, 195-203. | 6.0 | 19 |
| 230 | Influence of traffic on build-up of polycyclic aromatic hydrocarbons on urban road surfaces: A Bayesian network modelling approach. Environmental Pollution, 2018, 237, 767-774. | 7.5 | 19 |
| 231 | Nitrate-dependent Uranium mobilisation in groundwater. Science of the Total Environment, 2019, 693, 133655. | 8.0 | 19 |
| 232 | Gold-Deposited Nickel Foam as Recyclable Plasmonic Sensor for Therapeutic Drug Monitoring in Blood by Surface-Enhanced Raman Spectroscopy. Nanomaterials, 2020, 10, 1756. | 4.1 | 19 |
| 233 | New conceptualisation of first flush phenomena in urban catchments. Journal of Environmental Management, 2021, 281, 111820. | 7.8 | 19 |
| 234 | Assessment of high density of onsite wastewater treatment systems on a shallow groundwater coastal aquifer using PCA. Environmetrics, 2005, 16, 257-274. | 1.4 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Particle Number Emissions and Source Signatures of an Industrial Facility. Environmental Science & Technology, 2006, 40, 803-814. | 10.0 | 18 |
| 236 | Effects of climate change on the wash-off of volatile organic compounds from urban roads. Science of the Total Environment, 2011, 409, 3934-3942. | 8.0 | 18 |
| 237 | Build-up of toxic metals on the impervious surfaces of a commercial seaport. Ecotoxicology and Environmental Safety, 2016, 127, 193-198. | 6.0 | 18 |
| 238 | An electrochemical biosensor for the rapid detection of erythropoietin in blood. Talanta, 2018, 189, 636-640. | 5.5 | 18 |
| 239 | Plasmonic Switching of the Reaction Pathway: Visibleâ€Light Irradiation Varies the Reactant Concentration at the Solidâ€“Solution Interface of a Goldâ€“Cobalt Catalyst. Angewandte Chemie, 2019, 131, 12160-12164. | 2.0 | 18 |
| 240 | Kinetics and mechanism of the oxidation of glutathione by 12-tungstocobaltoate(III) in aqueous solutions. A preliminary report. Inorganica Chimica Acta, 1983, 80, L15-L17. | 2.4 | 17 |
| 241 | Sources of ultrafine particles and chemical species along a traffic corridor: comparison of the results from two receptor models. Environmental Chemistry, 2013, 10, 54. | 1.5 | 17 |
| 242 | Observations on the Formation, Growth and Chemical Composition of Aerosols in an Urban Environment. Environmental Science & Technology, 2014, 48, 6588-6596. | 10.0 | 17 |
| 243 | Application of Chlorella pyrenoidosa embedded biochar beads for water treatment. Journal of Water Process Engineering, 2021, 40, 101892. | 5.6 | 17 |
| 244 | Antibody coated conductive polymer for the electrochemical immunosensing of Human Cardiac Troponin I in blood plasma. Analytica Chimica Acta, 2021, 1185, 339082. | 5.4 | 17 |
| 245 | A Raman spectroscopic study of the uranyl phosphate mineral bergenite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 66, 979-984. | 3.9 | 16 |
| 246 | Adsorption of p-nitrophenol on organoclays. Journal of Thermal Analysis and Calorimetry, 2013, 111, 41-47. | 3.6 | 16 |
| 247 | Characterisation of atmospheric deposited particles during a dust storm in urban areas of Eastern Australia. Science of the Total Environment, 2013, 461-462, 72-80. | 8.0 | 16 |
| 248 | Weak acid extractable metals in Bramble Bay, Queensland, Australia: Temporal behaviour, enrichment and source apportionment. Marine Pollution Bulletin, 2015, 91, 380-388. | 5.0 | 16 |
| 249 | Naphthalene flanked diketopyrrolopyrrole: a new conjugated building block with hexyl or octyl alkyl side chains for electropolymerization studies and its biosensor applications. Polymer Chemistry, 2019, 10, 3722-3739. | 3.9 | 16 |
| 250 | Role of adsorption behavior on metal build-up in urban road dust. Journal of Environmental Sciences, 2019, 83, 85-95. | 6.1 | 16 |
| 251 | Risk associated with microplastics in urban aquatic environments: A critical review. Journal of Hazardous Materials, 2022, 439, 129587. | 12.4 | 16 |
| 252 | Long-term assessment of efficacy of permeable pond covers for odour reduction. Bioresource Technology, 2008, 99, 6409-6418. | 9.6 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Source apportionment of PM2.5 at two receptor sites in Brisbane, Australia. Environmental Chemistry, 2011, 8, 569. | 1.5 | 15 |
| 254 | First measurements of source apportionment of organic aerosols in the Southern Hemisphere. Environmental Pollution, 2014, 184, 81-88. | 7.5 | 15 |
| 255 | Characterization of VOCs from LPG and unleaded petroleum fuelled passenger cars. Fuel, 2014, 115, 636-643. | 6.4 | 15 |
| 256 | In situ sequentially generation of acid and ferrous ions for environmental remediation. Chemical Engineering Journal, 2016, 302, 223-232. | 12.7 | 15 |
| 257 | Factors influencing organochlorine pesticides distribution in the Brisbane River Estuarine sediment, Australia. Marine Pollution Bulletin, 2017, 123, 349-356. | 5.0 | 15 |
| 258 | A Bayesian approach to model the trends and variability in urban stormwater quality associated with catchment and hydrologic parameters. Water Research, 2021, 197, 117076. | 11.3 | 15 |
| 259 | Raman spectroscopy of uranyl rare earth carbonate kamotoite-(Y). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 529-534. | 3.9 | 14 |
| 260 | Size distribution and new particle formation in subtropical eastern Australia. Environmental Chemistry, 2008, 5, 382. | 1.5 | 14 |
| 261 | Evaluating the risk of mixtures in the indoor air of primary school classrooms. Environmental Science and Pollution Research, 2015, 22, 15080-15088. | 5.3 | 14 |
| 262 | A comparative study of electrochemical, optical properties and electropolymerization behavior of thiophene- and furan-substituted diketopyrrolopyrrole. Journal of Materials Research, 2017, 32, 810-821. | 2.6 | 14 |
| 263 | Utilizing the thiol chemistry of biomolecules for the rapid determination of anti-TNF-Î± drug in blood. Talanta, 2020, 208, 120411. | 5.5 | 14 |
| 264 | Mathematical modelling of the influence of physico-chemical properties on heavy metal adsorption by biosorbents. Chemosphere, 2020, 255, 126965. | 8.2 | 14 |
| 265 | Elemental Composition of Ambient Fine Particles in Urban Schools: Sources of Childrenâ€™s Exposure. Aerosol and Air Quality Research, 2014, 14, 1906-1916. | 2.1 | 14 |
| 266 | Stoichiometry and kinetics of the oxidation of hydroxylammonium ion by 12-tungstocobaltate(III) anion in aqueous solution. Transition Metal Chemistry, 1985, 10, 218-220. | 1.4 | 13 |
| 267 | Reactions of fac-[PtMe2(OMe)(H2O)3]+ with halide ions: effect of halide trans effect on methoxide hydrolysis. Inorganica Chimica Acta, 2003, 352, 201-207. | 2.4 | 13 |
| 268 | Electron transfer at tetrahedral cobalt(II). Part 1. Kinetics of bromate ion reduction. Transition Metal Chemistry, 1991, 16, 145-148. | 1.4 | 12 |
| 269 | Vibrational spectroscopic study of hydrated uranyl oxide: Curite. Polyhedron, 2007, 26, 3724-3730. | 2.2 | 12 |
| 270 | Multi-criteria ranking and source apportionment of fine particulate matter in Brisbane, Australia. Environmental Chemistry, 2009, 6, 398. | 1.5 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Aerosol mass spectrometric analysis of the chemical composition of non-refractory PM1 samples from school environments in Brisbane, Australia. Science of the Total Environment, 2013, 458-460, 81-89. | 8.0 | 12 |
| 272 | Relating urban airborne particle concentrations to shipping using carbon based elemental emission ratios. Atmospheric Environment, 2014, 95, 525-536. | 4.1 | 12 |
| 273 | Dataset for the quantitative structure-activity relationship (QSAR) modeling of the toxicity equivalency factors (TEFs) of PAHs and transformed PAH products. Data in Brief, 2020, 28, 104821. | 1.0 | 12 |
| 274 | Application of multivariate data techniques in photochemical study of polycyclic aromatic hydrocarbons (PAHs) and transformed PAH products in road dust. Ecotoxicology and Environmental Safety, 2020, 196, 110478. | 6.0 | 12 |
| 275 | Adsorption characteristics of assembled and unassembled Ni/Cr layered double hydroxides towards methyl orange. Journal of Colloid and Interface Science, 2022, 617, 363-371. | 9.4 | 12 |
| 276 | Electron transfer at tetrahedral cobalt(II). Part IIâ€¡. Kinetics of silver(I) ion catalysed reduction of peroxodisulphate. Transition Metal Chemistry, 1992, 17, 46-49. | 1.4 | 11 |
| 277 | Raman spectroscopic study of the multiâ€anion uranyl mineral schroeckingerite. Journal of Raman Spectroscopy, 2007, 38, 1609-1614. | 2.5 | 11 |
| 278 | Multi-criteria ranking and receptor modelling of airborne fine particles at three sites in the Pearl River Delta region of China. Science of the Total Environment, 2011, 409, 719-737. | 8.0 | 11 |
| 279 | Application of Multicriteria Decision Making Methods to Compression Ignition Engine Efficiency and Gaseous, Particulate, and Greenhouse Gas Emissions. Environmental Science & Technology, 2013, 47, 1904-1912. | 10.0 | 11 |
| 280 | Creating a hierarchy of hazard control for urban stormwater management. Environmental Pollution, 2019, 255, 113217. | 7.5 | 11 |
| 281 | A Novel Approach for Delineation of Homogeneous Rainfall Regions for Water Sensitive Urban Designâ€"A Case Study in Southeast Queensland. Water (Switzerland), 2019, 11, 570. | 2.7 | 11 |
| 282 | Inherent and external factors influencing the distribution of PAHs, hydroxy-PAHs, carbonyl-PAHs and nitro-PAHs in urban road dust. Environmental Pollution, 2022, 308, 119705. | 7.5 | 11 |
| 283 | Electron transfer at tetrahedral cobalt(II), Part III: kinetics of copper(II) ion catalysed reduction of periodate. Transition Metal Chemistry, 1992, 17, 423-425. | 1.4 | 10 |
| 284 | Volatile Organic Compounds in Indoor Environments. Handbook of Environmental Chemistry, 2014, , 69-107. | 0.4 | 10 |
| 285 | Factors influencing the outdoor concentration of carbonaceous aerosols at urban schools in Brisbane, Australia: Implications for children's exposure. Environmental Pollution, 2016, 208, 249-255. | 7.5 | 10 |
| 286 | Preconcentration and SERS-based determination of infliximab in blood by usingÂa TNF-Î±-modified gold-coated copper oxide nanomaterial. Mikrochimica Acta, 2019, 186, 780. | 5.0 | 10 |
| 287 | Fabrication of dual function disposable substrates for spectroelectrochemical nanosensing. Sensors and Actuators B: Chemical, 2019, 287, 9-17. | 7.8 | 10 |
| 288 | Electropolymerized Porous Polymer Films on Flexible Indium Tin Oxide Using Trifunctional Furan Substituted Benzene Conjugated Monomer for Biosensing. ACS Applied Polymer Materials, 2020, 2, 351-359. | 4.4 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Reduction of dodecatungstocobaltate(III) by aqueous solutions of hydrazinium ion. Inorganica Chimica Acta, 1990, 170, 89-93. | 2.4 | 9 |
| 290 | Source apportionment of fine particles at a suburban site in Queensland, Australia. Environmental Chemistry, 2011, 8, 163. | 1.5 | 9 |
| 291 | Analysis of organic aerosols collected on filters by Aerosol Mass Spectrometry for source identification. Analytica Chimica Acta, 2013, 803, 91-96. | 5.4 | 9 |
| 292 | Assessing uncertainty in pollutant wash-off modelling via model validation. Science of the Total Environment, 2014, 497-498, 578-584. | 8.0 | 9 |
| 293 | Influence of physicochemical properties of road dust on the build-up of hydrocarbons. Science of the Total Environment, 2019, 694, 133812. | 8.0 | 9 |
| 294 | Stormwater Quality, Pollutant Sources, Processes, and Treatment Options. , 2019, , 49-74. | | 9 |
| 295 | A Framework for Stormwater Quality Modelling under the Effects of Climate Change to Enhance Reuse. Sustainability, 2020, 12, 10463. | 3.2 | 9 |
| 296 | Rapid and selective detection of recombinant human erythropoietin in human blood plasma by a sensitive optical sensor. Analyst, The, 2020, 145, 5508-5515. | 3.5 | 9 |
| 297 | Oxidations of hypophosphorus and arsenious acids by 12-tungstocobaltate(III) anion in aqueous solution. Transition Metal Chemistry, 1990, 15, 421-424. | 1.4 | 8 |
| 298 | Assessment of Physical and Chemical Attributes of Sub-Tropical Soil to Predict Long Term Effluent Treatment Potential. Soil and Sediment Contamination, 2005, 14, 211-229. | 1.9 | 8 |
| 299 | The use of reflectance visibleâ€“NIR spectroscopy to predict seasonal change of trace metals in suspended solids of Changjiang River. Catena, 2013, 109, 217-224. | 5.0 | 8 |
| 300 | A Bayesian regression approach to assess uncertainty in pollutant wash-off modelling. Science of the Total Environment, 2014, 479-480, 233-240. | 8.0 | 8 |
| 301 | Application of landscape epidemiology to assess potential public health risk due to poor sanitation. Journal of Environmental Management, 2017, 192, 124-133. | 7.8 | 8 |
| 302 | Single-step dynamic dewatering of microalgae from dilute suspensions using flocculant assisted filtration. Microbial Cell Factories, 2020, 19, 222. | 4.0 | 8 |
| 303 | First Exploration on Electrochemical Activation of Lowâ€Cost Albite Mineral for Boosting Lithium Storage Capability. Advanced Sustainable Systems, 2020, 4, 2000057. | 5.3 | 8 |
| 304 | Role of organic matter, nitrogen and phosphorous on granulation and settling velocity in wastewater treatment. Journal of Water Process Engineering, 2021, 40, 101967. | 5.6 | 8 |
| 305 | Kinetics and mechanism of the oxidation of iodide by diaquote-trakis(2,2â€²-bipyridine)-Î¼-oxodiruthenium(III) ion in acid medium. Transition Metal Chemistry, 1992, 17, 63-65. | 1.4 | 7 |
| 306 | Stichtite: a review. Clay Minerals, 2013, 48, 143-148. | 0.6 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Nanomaterials and the Environment. Journal of Nanomaterials, 2014, 2014, 1-4. | 2.7 | 7 |
| 308 | Removal of iodate (IO 3 â˜ ) from aqueous solution using LDH technology. Materials Chemistry and Physics, 2017, 202, 65-75. | 4.0 | 7 |
| 309 | Rapid Electrochemical Nanosensing of S100ÃŸin Blood. Journal of the Electrochemical Society, 2020, 167, 067518. | 2.9 | 7 |
| 310 | Influence of the hierarchical structure of land use on metals, nutrients and organochlorine pesticides in urban river sediments. Ecological Engineering, 2021, 159, 106123. | 3.6 | 7 |
| 311 | Integrating Tank Model and adsorption/desorption characteristics of filter media to simulate outflow water quantity and quality of a bioretention basin: A case study of biochar-based bioretention basin. Journal of Environmental Management, 2022, 304, 114282. | 7.8 | 7 |
| 312 | The kinetics and mechanism of the oxidation of diaquotetrakis(2,2â€²-bipyridine)-Î¼-oxodiruthenium(III) ion by bromate in aqueous perchloric acid. Polyhedron, 1992, 11, 2389-2394. | 2.2 | 6 |
| 313 | Oxidation of glutathione by diaquatetrakis(2,2?-bipyridine)-?-oxo diruthenium(III) ion in aqueous acidic solutions. Transition Metal Chemistry, 1993, 18, 6-8. | 1.4 | 6 |
| 314 | Electron transfer at an encapsulated cobalt(III) centre: kinetics of oxidation of thiourea and 1,1,3,3-tetramethyl-2-thiourea in aqueous acidic media. Transition Metal Chemistry, 1994, 19, 253-256. | 1.4 | 6 |
| 315 | A Raman spectroscopic study of the uranyl tellurite mineral schmitterite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 571-574. | 3.9 | 6 |
| 316 | Prediction of the wash-off of traffic related semi- and non-volatile organic compounds from urban roads under climate change influenced rainfall characteristics. Journal of Hazardous Materials, 2012, 213-214, 83-92. | 12.4 | 6 |
| 317 | Insights into the growth of newly formed particles in a subtropical urban environment. Atmospheric Chemistry and Physics, 2015, 15, 13475-13485. | 4.9 | 6 |
| 318 | Monitoring of a mixed land use catchment for pollutant source characterisation. Environmental Monitoring and Assessment, 2017, 189, 336. | 2.7 | 6 |
| 319 | Modelling Resilience of a Water Supply System under Climate Change and Population Growth Impacts. Water Resources Management, 2017, 31, 2885-2898. | 3.9 | 6 |
| 320 | Removal of polycyclic aromatic hydrocarbons from wastewater using dualâ€mode ultrasound system. Water and Environment Journal, 2020, 34, 425-434. | 2.2 | 6 |
| 321 | A SERS quenching method for the sensitive determination of insulin. Drug Testing and Analysis, 2021, 13, 1048-1053. | 2.6 | 6 |
| 322 | Naphthalene Flanked Diketopyrrolopyrrole: A New Functional Dye Based Optical Sensors for Monitoring Cyanide Ions in Water. Advanced Materials Technologies, 0, , 2100170. | 5.8 | 6 |
| 323 | Electron transfer at tetrahedral cobalt(II). Part V: kinetics of permanganate ion reduction. Transition Metal Chemistry, 1994, 19, 212-214. | 1.4 | 5 |
| 324 | Comparative assessment of Australian fly ash and conventional concrete bricks. Journal of Chemical Technology and Biotechnology, 2005, 80, 259-267. | 3.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | Differentiating Between Pollutants Buildâ€Up on Roads and Roofs: Significance of Roofs as a Stormwater Pollutant Source. Clean - Soil, Air, Water, 2016, 44, 538-543. | 1.1 | 5 |
| 326 | Vibrational spectroscopic characterization of mudstones in a hydrocarbon-bearing depression, South China Sea: Implications for thermal maturity evaluation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 241-248. | 3.9 | 5 |
| 327 | Biosorption of heavy metals: Transferability between batch and column studies. Chemosphere, 2022, 294, 133659. | 8.2 | 5 |
| 328 | Separation and determination of selenium(IV) and molybdenum(VI) in mixtures by selective precipitation with potassium thiocarbonate. Talanta, 1988, 35, 496-498. | 5.5 | 4 |
| 329 | Oxidation of N-(2-hydroxyethyl)ethylenediamine triacetate by tris(polypyridy)iron(III) complexes and the dodecatungstocobaltate(III) ion. Transition Metal Chemistry, 1993, 18, 475-477. | 1.4 | 4 |
| 330 | Kinetics and mechanism of the reduction of diaquatetrakis (2,2?-bipyridine)-?-oxo diruthenium(III) by ascorbic acid. Transition Metal Chemistry, 1995, 20, 30. | 1.4 | 4 |
| 331 | An XRD, SEM and TG study of a uranopilite from Australia. Mineralogical Magazine, 2006, 70, 299-307. | 1.4 | 4 |
| 332 | A paper-based optical sensor for the screening of viruses through the cysteine residues of their surface proteins: A proof of concept on the detection of coronavirus infection. Talanta, 2022, 248, 123630. | 5.5 | 4 |
| 333 | Oxidation of ethylenediaminetetraacetate by tris(diimine) iron(III) complexes and the dodecatungstocobaltate(III) ion: a comparative kinetic and mechanistic study. Transition Metal Chemistry, 1994, 19, 151-153. | 1.4 | 3 |
| 334 | Vibrational spectroscopic characterization of growth bands in Porites coral from South China Sea. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 95-100. | 3.9 | 3 |
| 335 | Identification of the sources of primary organic aerosols at urban schools: A molecular marker approach. Environmental Pollution, 2014, 191, 158-165. | 7.5 | 3 |
| 336 | Rethinking hydrocarbons build-up on urban roads: A perspective on volatilisation under global warming scenarios. Environmental Pollution, 2019, 252, 950-959. | 7.5 | 3 |
| 337 | In Situ Growth of Transition Metal Nanoparticles on Aluminosilicate Minerals for Oxygen Evolution. Advanced Energy and Sustainability Research, 2021, 2, 2100057. | 5.8 | 3 |
| 338 | Ranking Three Water Sensitive Urban Design (WSUD) Practices Based on Hydraulic and Water Quality Treatment Performance: Implications for Effective Stormwater Treatment Design. Water (Switzerland), 2022, 14, 1296. | 2.7 | 3 |
| 339 | Relationship Between the$J(Sn-C-H)$ of the Dimethyltin Dichloride Adducts of some Pyridines and Anilines, and the Donor Strength of the Lewis Bases. Applied Organometallic Chemistry, 1996, 10, 369-376. | 3.5 | 2 |
| 340 | Organic Compounds Adsorbed on Particles and Settled House Dust. , 0, , 141-166. | | 2 |
| 341 | A Multivariate Approach to the Identification of Surrogate Parameters for Heavy Metals in Stormwater. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 2 |
| 342 | Thermogravimetric analysis of tetradecyltrimethylammonium bromide-modified beidellites. Journal of Thermal Analysis and Calorimetry, 2015, 120, 67-71. | 3.6 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 343 | Porous Graphene Materials for Energy Storage and Conversion Applications. , 0, , . | | 2 |
| 344 | Spatial response surface modelling in the presence of data paucity for the evaluation of potential human health risk due to the contamination of potable water resources. Science of the Total Environment, 2016, 566-567, 1368-1378. | 8.0 | 2 |
| 345 | Factors influencing volatile hydrocarbon pollution in urban areas. Emerging Contaminants, 2019, 5, 288-296. | 4.9 | 2 |
| 346 | Urban Water Quality. Applied Environmental Science and Engineering for A Sustainable Future, 2019, , 49-68. | 0.5 | 2 |
| 347 | Surrogate Measures to Assess Mobility of People as a Resilience Indicator in Disaster Management: An Exploratory Study in Southeastern Sri Lanka. International Journal of Disaster Risk Science, 2020, 11, 13-31. | 2.9 | 2 |
| 348 | Treatment technologies for stormwater reuse. , 2021, , 521-549. | | 2 |
| 349 | Effect of traffic congestion and vegetation on airborne bacteria in a city of a developing country. Air Quality, Atmosphere and Health, 2021, 14, 1103-1116. | 3.3 | 2 |
| 350 | Traffic and Climate Change Impacts on Water Quality. , 2011, , 1804-1823. | | 2 |
| 351 | Traffic and Climate Change Impacts on Water Quality. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 147-167. | 0.4 | 2 |
| 352 | Electron transfer at tetrahedral cobalt(II), part IV: kinetics of silver(I) catalysed chlorate reduction. Transition Metal Chemistry, 1993, 18, 275. | 1.4 | 1 |
| 353 | Corrigendum to â€˜Influence of fatty acid structure on fuel properties of algae derived biodieselâ€™ [Procedia Engineering 56 (2013) 591â€“596]. Procedia Engineering, 2013, 56, 882-883. | 1.2 | 1 |
| 354 | Synthetic reevesite-like material as a visible light photocatalyst for the decontamination of water. Journal of Colloid and Interface Science, 2013, 400, 67-69. | 9.4 | 1 |
| 355 | Understanding Uncertainty Associated with Stormwater Quality Modelling. SpringerBriefs in Water Science and Technology, 2019, , 1-13. | 1.2 | 1 |
| 356 | Chemical composition and nutritive value of retail white bread in Zaria, Nigeria. Food Chemistry, 1992, 45, 323-326. | 8.2 | 0 |
| 357 | Pollutant Build-up and Wash-off Process Variability. SpringerBriefs in Water Science and Technology, 2019, , 15-24. | 1.2 | 0 |
| 358 | Case Studyâ€”Uncertainty Inherent in Metals Build-up and Wash-off Processes. SpringerBriefs in Water Science and Technology, 2019, , 37-48. | 1.2 | 0 |