Paul N Diagboya

List of Publications by Year
in descending order

38 papers	1,651 citations	331259 21 h-index	315357 38 g-index
38 all docs	38 docs citations	38 times ranked	1648 citing authors

#	Article	IF	Citations
1	Silica-based mesoporous materials; emerging designer adsorbents for aqueous pollutants removal and water treatment. Microporous and Mesoporous Materials, 2018, 266, 252-267.	2.2	197
2	Evaluation of pyrene sorptionâ€“desorption on tropical soils. Journal of Environmental Management, 2014, 137, 1-9.	3.8	111
3	Synthesis of covalently bonded graphene oxideâ€“iron magnetic nanoparticles and the kinetics of mercury removal. RSC Advances, 2015, 5, 2536-2542.	1.7	99
4	Comparative study of the photocatalytic degradation of 2â€“chlorophenol under UV irradiation using pristine and Ag-doped species of TiO2, ZnO and ZnS photocatalysts. Journal of Environmental Management, 2020, 260, 110145.	3.8	93
5	Graphene oxideâ€“tripolyphosphate hybrid used as a potent sorbent for cationic dyes. Carbon, 2014, 79, 174-182.	5.4	77
6	Adsorptive removal of 2,4,6-trichlorophenol in aqueous solution using calcined kaolinite-biomass composites. Journal of Environmental Management, 2017, 192, 94-99.	3.8	70
7	Mechanism of dialkyl phthalates removal from aqueous solution using Î³-cyclodextrin and starch based polyurethane polymer adsorbents. Carbohydrate Polymers, 2014, 114, 440-449.	5.1	68
8	Magnetic valorization of biomass and biochar of a typical plant nuisance for toxic metals contaminated water treatment. Journal of Cleaner Production, 2019, 209, 1016-1024.	4.6	67
9	Microscale scavenging of pentachlorophenol in water using amine and tripolyphosphate-grafted SBA-15 silica: Batch and modeling studies. Journal of Environmental Management, 2014, 146, 42-49.	3.8	66
10	Effects of time, soil organic matter, and iron oxides on the relative retention and redistribution of lead, cadmium, and copper on soils. Environmental Science and Pollution Research, 2015, 22, 10331-10339.	2.7	64
11	Calcined biomass-modified bentonite clay for removal of aqueous metal ions. Journal of Environmental Chemical Engineering, 2016, 4, 1376-1382.	3.3	63
12	Mechanism of Pb2+ removal from aqueous solution using a nonliving moss biomass. Chemical Engineering Journal, 2012, 195-196, 270-275.	6.6	56
13	Scavenging of aqueous toxic organic and inorganic cations using novel facile magneto-carbon black-clay composite adsorbent. Journal of Cleaner Production, 2018, 180, 71-80.	4.6	54
14	Competitive biosorption of Pb(II) and Cd(II) ions from aqueous solutions using chemically modified moss biomass (Barbula lambarenensis). Environmental Earth Sciences, 2017, 76, 1.	1.3	53
15	Fractal-like concepts for evaluation of toxic metals adsorption efficiency of feldspar-biomass composites. Journal of Cleaner Production, 2018, 171, 884-891.	4.6	43
16	Utilizing eco-friendly kaolinite-biochar composite adsorbent for removal of ivermectin in aqueous media. Journal of Environmental Management, 2021, 279, 111619.	3.8	42
17	Synthesis of amine and thiol dual functionalized graphene oxide for aqueous sequestration of lead. Journal of Environmental Chemical Engineering, 2019, 7, 103461.	3.3	40
18	Distribution and interactions of pentachlorophenol in soils: The roles of soil iron oxides and organic matter. Journal of Contaminant Hydrology, 2016, 191, 99-106.	1.6	39

#	Article	IF	Citations
19	Polyamidoamine-Functionalized Graphene Oxideâ€“SBA-15 Mesoporous Composite: Adsorbent for Aqueous Arsenite, Cadmium, Ciprofloxacin, Ivermectin, and Tetracycline. Industrial & Engineering Chemistry Research, 2021, 60, 3957-3968.	1.8	39
20	Sorption and desorption of fluorene on five tropical soils from different climes. Geoderma, 2015, 239-240, 179-185.	2.3	37
21	Application of ecoâ€friendly multifunctional porous graphene oxide for adsorptive sequestration of chromium in aqueous solution. Water Environment Research, 2020, 92, 1070-1079.	1.3	30
22	Clay-carbonaceous material composites: Towards a new class of functional adsorbents for water treatment. Surfaces and Interfaces, 2020, 19, 100506.	1.5	25
23	Metals and Antibiotics as Aqueous Sequestration Targets for Magnetic Polyamidoamine-Grafted SBA-15. Langmuir, 2021, 37, 9764-9773.	1.6	22
24	Sorption behaviour of pentachlorophenol in sub-Saharan tropical soils: soil types sorption dynamics. Environmental Earth Sciences, 2016, 75, 1.	1.3	21
25	Covalently bonded polyamidoamine functionalized silica used as a Pb(II) scavenger from aqueous solution. Journal of Environmental Chemical Engineering, 2019, 7, 103214.	3.3	20
26	Dynamics of mercury solid phase extraction using Barbula lambarenensis. Environmental Technology and Innovation, 2018, 9, 275-284.	3.0	19
27	Empirical Assessment and Reusability of an Eco-Friendly Amine-Functionalized SBA-15 Adsorbent for Aqueous Ivermectin. Industrial & Engineering Chemistry Research, 2021, 60, 2365-2373.	1.8	19
28	Spatiotemporal distributions of polycyclic aromatic hydrocarbons close to a typical medical waste incinerator. Environmental Science and Pollution Research, 2018, 25, 274-282.	2.7	17
29	Layered double hydroxide of cobalt-zinc-aluminium intercalated with carbonate ion: preparation and Pb(II) ion removal capacity. International Journal of Environmental Studies, 2019, 76, 251-265.	0.7	16
30	Concentration-dependent and simultaneous sorption and desorption of pyrene and fluorene on major soil minerals in sub-Saharan Africa. Applied Clay Science, 2018, 153, 257-264.	2.6	15
31	Mesoporous SBA-15 Functionalized with G-5 Poly(amidoamine): A Sustainable Adsorbent for Effective Sequestration of an Emerging Aqueous Contaminant. ACS Applied Nano Materials, 2021, 4, 3052-3061.	2.4	15
32	Assessment of the effects of soil organic matter and iron oxides on the individual sorption of two polycyclic aromatic hydrocarbons. Environmental Earth Sciences, 2021, 80, 1.	1.3	11
33	Comparative empirical evaluation of the aqueous adsorptive sequestration potential of low-cost feldspar-biochar composites for ivermectin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127930.	2.3	10
34	Periodic characterization of alkyl-naphthalenes in stack gas and ambient air around a medical waste incinerator. Environmental Science and Pollution Research, 2017, 24, 21770-21777.	2.7	9
35	Potential of valourized Moringa oleifera seed waste modified with activated carbon for toxic metals decontamination in conventional water treatment. Bioresource Technology Reports, 2021, 16, 100881.	1.5	9
36	Empirical aspects of an emerging agricultural pesticide contaminant retention on two sub-Saharan soils. Gondwana Research, 2022, 105, 311-319.	3.0	8

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37	GC-MS fragmentation patterns of sprayed endosulfan and its sulphate metabolite in samples of Theobroma cacao L from a field kinetic study. European Journal of Mass Spectrometry, 2019, 25, 362-371.	0.5	5
38	Immobilization of toxic metal cations on goethite-amended soils: a remediation strategy. Journal of Applied Sciences and Environmental Management, 2016, 20, 436-443.	0.1	2