Edmond Sanganyado

List of Publications by Year
in descending order

73 papers	2,300 citations	257450 24 h-index	223800 46 g-index
90 all docs	90 docs citations	90 times ranked	2614 citing authors

#	Article	IF	Citations
1	Sources, behaviour, and environmental and human health risks of high-technology rare earth elements as emerging contaminants. Science of the Total Environment, 2018, 636, 299-313.	8.0	440
2	Antibiotic resistance in drinking water systems: Occurrence, removal, and human health risks. Science of the Total Environment, 2019, 669, 785-797.	8.0	340
3	Chiral pharmaceuticals: A review on their environmental occurrence and fate processes. Water Research, 2017, 124, 527-542.	11.3	209
4	Electrochemical behavior of biochar and its effects on microbial nitrate reduction: Role of extracellular polymeric substances in extracellular electron transfer. Chemical Engineering Journal, 2020, 395, 125077.	12.7	116
5	Sequential electrochemical oxidation and bio-treatment of the azo dye congo red and textile effluent. Journal of Photochemistry and Photobiology B: Biology, 2019, 200, 111655.	3.8	111
6	Azo dye degrading bacteria tolerant to extreme conditions inhabit nearshore ecosystems: Optimization and degradation pathways. Journal of Environmental Management, 2020, 261, 110222.	7.8	63
7	Distribution of microbial communities in metal-contaminated nearshore sediment from Eastern Guangdong, China. Environmental Pollution, 2019, 250, 482-492.	7.5	59
8	Bioaccumulation of organic pollutants in Indo-Pacific humpback dolphin: A review on current knowledge and future prospects. Environmental Pollution, 2018, 237, 111-125.	7.5	58
9	Decolorization and detoxification of Direct Blue 2B by indigenous bacterial consortium. Journal of Environmental Management, 2019, 242, 229-237.	7.8	57
10	Ecological impact of antibiotics on bioremediation performance of constructed wetlands: Microbial and plant dynamics, and potential antibiotic resistance genes hotspots. Journal of Hazardous Materials, 2022, 424, 127495.	12.4	52
11	Macro problems from microplastics: Toward a sustainable policy framework for managing microplastic waste in Africa. Science of the Total Environment, 2022, 804, 150170.	8.0	47
12	Mechanistic Insights into Stereospecific Bioactivity and Dissipation of Chiral Fungicide Triticonazole in Agricultural Management. Journal of Agricultural and Food Chemistry, 2018, 66, 7286-7293.	5.2	46
13	Meta-analysis of biosolid effects on persistence of triclosan and triclocarban in soil. Environmental Pollution, 2016, 210, 137-144.	7.5	42
14	Organic pollutants in sedimentary microplastics from eastern Guangdong: Spatial distribution and source identification. Ecotoxicology and Environmental Safety, 2020, 193, 110356.	6.0	42
15	Development of the straw biochar returning concept in China. Biochar, 2019, 1, 139-149.	12.6	40
16	COVID-19 drugs in aquatic systems: a review. Environmental Chemistry Letters, 2022, 20, 1275-1294.	16.2	37
17	Adsorption of sugarcane vinasse effluent on bagasse fly ash: A parametric and kinetic study. Journal of Environmental Management, 2018, 224, 182-190.	7.8	32
18	Recurrent Cholera Outbreaks in Sub-Saharan Africa: Moving beyond Epidemiology to Understand the Environmental Reservoirs and Drivers. Challenges, 2019, 10, 1.	1.7	32

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19	Establishment and characterization of pygmy killer whale (Feresa attenuata) dermal fibroblast cell line. PLoS ONE, 2018, 13, e0195128.	2.5	31
20	Enantiomeric selectivity in adsorption of chiral Î²-blockers on sludge. Environmental Pollution, 2016, 214, 787-794.	7.5	30
21	Organic pollutants in deep sea: Occurrence, fate, and ecological implications. Water Research, 2021, 205, 117658.	11.3	30
22	Integrated assessment of heavy metal pollution using transplanted mussels in eastern Guangdong, China. Environmental Pollution, 2018, 243, 601-609.	7.5	29
23	Establishment of pantropic spotted dolphin (Stenella attenuata) fibroblast cell line and potential influence of polybrominated diphenyl ethers (PBDEs) on cytokines response. Aquatic Toxicology, 2018, 203, 1-9.	4.0	26
24	Enantioselectivity in degradation and ecological risk of the chiral pesticide ethiprole. Land Degradation and Development, 2018, 29, 4242-4251.	3.9	25
25	Toward an integrated framework for assessing micropollutants in marine mammals: Challenges, progress, and opportunities. Critical Reviews in Environmental Science and Technology, 2021, 51, 2824-2871.	12.8	25
26	NextGen Voices: Quality mentoring. Science, 2018, 362, 22-24.	12.6	23
27	Incorporating Sustainability into Engineering and Chemical Education Using E-Learning. Education Sciences, 2018, 8, 39.	2.6	20
28	Application of enantiomeric fractions in environmental forensics: Uncertainties and inconsistencies. Environmental Research, 2020, 184, 109354.	7.5	17
29	Chlorinated organic contaminants in fish from the South China Sea: Assessing risk to Indo-Pacific humpback dolphin. Environmental Pollution, 2020, 263, 114346.	7.5	16
30	Immune stimulation effect of PBDEs via prostaglandin pathway in pantropical spotted dolphin: An inÂvitro study. Chemosphere, 2020, 254, 126717.	8.2	15
31	Ecological risk of chlorinated organic pollutants in a semi-enclosed bay impacted by aquaculture. Science of the Total Environment, 2021, 783, 147000.	8.0	14
32	Deriving freshwater guideline values for neonicotinoid insecticides: Implications for water quality guidelines and ecological risk assessment. Science of the Total Environment, 2022, 828, 154569.	8.0	14
33	Mechanistic insights on chaotropic interactions of liophilic ions with basic pharmaceuticals in polar ionic mode liquid chromatography. Journal of Chromatography A, 2014, 1368, 82-88.	3.7	13
34	Impact of African traditional worldviews on climate change adaptation. Integrated Environmental Assessment and Management, 2018, 14, 189-193.	2.9	13
35	High Throughput Sediment DNA Sequencing Reveals Azo Dye Degrading Bacteria Inhabit Nearshore Sediments. Microorganisms, 2020, 8, 233.	3.6	13
36	Risk assessment of potentially toxic elements accumulated in fish to Indo-Pacific humpback dolphins in the South China Sea. Science of the Total Environment, 2021, 761, 143256.	8.0	12

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37	Polybrominated diphenyl ethers exert genotoxic effects in pantropic spotted dolphin fibroblast cell lines. Environmental Pollution, 2021, 271, 116131.	7.5	11
38	Bioinformatic analysis and genetic engineering approaches for recombinant biopharmaceutical glycoproteins production in microalgae. Algal Research, 2021, 55, 102276.	4.6	10
39	A collaboratively derived international research agenda on legislative science advice. Palgrave Communications, 2019, 5, .	4.7	9
40	Accumulation of nutrients and potentially toxic elements in plants and fishes in restored mangrove ecosystems in South China. Science of the Total Environment, 2022, 838, 155964.	8.0	8
41	Effects of norfloxacin, copper, and their interactions on microbial communities in estuarine sediment. Environmental Research, 2022, 212, 113506.	7.5	8
42	Spotted seals (Phoca largha) harbor unique gut microbiota shaped by their host habitat. Science of the Total Environment, 2022, 832, 155015.	8.0	7
43	Tissue distribution and health risk of trace elements in East Asian finless porpoises. Environmental Pollution, 2021, 290, 118007.	7.5	6
44	Policies and regulations for the emerging pollutants in freshwater ecosystems: Challenges and opportunities. , 2022, , 361-372.		6
45	The fate of emerging pollutants in aquatic systems: An overview. , 2022, , 119-135.		6
46	Occurrence, behavior, and human exposure and health risks of potentially toxic elements in edible mushrooms with focus on Africa. Environmental Monitoring and Assessment, 2021, 193, 302.	2.7	5
47	Biogeographic patterns of benthic microbial communities in metal(loid)-contaminated semi-enclosed bay. Chemosphere, 2022, 299, 134412.	8.2	5
48	How to write an honest but effective abstract for scientific papers. Scientific African, 2019, 6, e00170.	1.5	3
49	Comments on â€œChiral pharmaceuticals: Environment sources, potential human health impacts, remediation technologies and future perspectiveâ€• Environment International, 2019, 122, 412-415.	10.0	3
50	Making science accessible. Science, 2020, 367, 34-35.	12.6	3
51	Insights on Gut and Skin Wound Microbiome in Stranded Indo-Pacific Finless Porpoise (Neophocaena) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	3
52	Broad interests reap benefits for science. Science, 2018, 361, 24-26.	12.6	2
53	Developing countries must fund local research. Science, 2021, 372, 1403-1403.	12.6	2
54	Chiral Personal Care Products. , 2020, , 105-130.		2

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55	Nurturing connections to the environment. Science, 2018, 362, 886-888.	12.6	1
56	Relationship analysis of anaerobic fermentation parameters exposed to elevated chromium (VI). Environmental Progress and Sustainable Energy, 2019, 38, 13212.	2.3	1
57	Biodegradability during Anaerobic Fermentation Process Impacted by Heavy Metals. , 0, , .		1
58	Cetacean Health: Global Environmental Threats. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-14.	0.1	1
59	6-OH-BDE-47 inhibited proliferation of skin fibroblasts from pygmy killer whale by inducing cell cycle arrest. Science of the Total Environment, 2021, 807, 150561.	8.0	1
60	Four ways to build your network without attending a conference. Nature, 2020, , .	27.8	1
61	Chiral Inversion of Organic Pollutants. , 2020, , 27-40.		1
62	Assessing the Role of Freshwater Legacy in Aquatic Health. Encyclopedia of the UN Sustainable Development Goals, 2021, , 70-80.	0.1	1
63	High-Performance Liquid Chromatography: An Established Separation Technique in Food Chemistry. , 2015, , 1301-1322.		0
64	My path to contentment. Science, 2018, 360, 234-234.	12.6	0
65	NextGen advises â€œTrying to Manageâ€: Science, 2019, 366, 28-30.	12.6	0
66	Unique identities. Science, 2019, 364, 22-24.	12.6	0
67	Predatory journals in science publishing: Strategies for preventing a national crisis and promoting Vision 2030. , 0, , .		0
68	How I learned to stop caring about prestige. Science, 2018, , .	12.6	0
69	Global Benefits of Open Research. , 2018, , .		0
70	Chiral Pharmaceuticals. , 2020, , 347-362.		0
71	Chiral Halogenated Organic Contaminants of Emerging Concern. , 2020, , 131-152.		0
72	Risk factors associated with a high incidence of sexually transmitted infections in Beitbridge, Zimbabwe. Curationis, 2021, 44, .	0.7	0

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73	Cetacean Health: Global Environmental Threats. Encyclopedia of the UN Sustainable Development Goals, 2022, , 107-120.	0.1	0