Florencio Ballesteros Jr

List of Publications by Year
in descending order

43 papers	1,750 citations	236925 25 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	2190 citing authors

#	Article	IF	Citations
1	Viruses in wastewater: occurrence, abundance and detection methods. Science of the Total Environment, 2020, 745, 140910.	8.0	170
2	Removal of emerging contaminants by simultaneous application of membrane ultrafiltration, activated carbon adsorption, and ultrasound irradiation. Journal of Hazardous Materials, 2014, 264, 342-349.	12.4	142
3	E-waste recycling processes in Indonesia, the Philippines, and Vietnam: A case study of cathode ray tube TVs and monitors. Resources, Conservation and Recycling, 2016, 106, 48-58.	10.8	110
4	Applicability of the electrocoagulation process in treating real municipal wastewater containing pharmaceutical active compounds. Journal of Hazardous Materials, 2019, 361, 367-373.	12.4	76
5	Incorporation of graphene oxide into a chitosanâ€“poly(acrylic acid) porous polymer nanocomposite for enhanced lead adsorption. Environmental Science: Nano, 2016, 3, 638-646.	4.3	73
6	Novel coronavirus disease 2019 (COVID-19) pandemic: From transmission to control with an interdisciplinary vision. Environmental Research, 2021, 197, 111126.	7.5	73
7	Environmental odour management by artificial neural network â€“ A review. Environment International, 2019, 133, 105189.	10.0	67
8	Impact of metals in surface matrices from formal and informal electronic-waste recycling around Metro Manila, the Philippines, and intra-Asian comparison. Journal of Hazardous Materials, 2012, 221-222, 139-146.	12.4	64
9	Combination of Electrochemical Processes with Membrane Bioreactors for Wastewater Treatment and Fouling Control: A Review. Frontiers in Environmental Science, 2016, 4, .	3.3	61
10	Removal of Pharmaceuticals from Wastewater by Intermittent Electrocoagulation. Water (Switzerland), 2017, 9, 85.	2.7	61
11	Removal of emerging contaminant and fouling control in membraneÂbioreactors by combined ozonation and sonolysis. International Biodeterioration and Biodegradation, 2017, 119, 577-586.	3.9	58
12	Characterizing the microbial community involved in anaerobic digestion of lipid-rich wastewater to produce methane gas. Anaerobe, 2020, 61, 102082.	2.1	58
13	Advances in technological control of greenhouse gas emissions from wastewater in the context of circular economy. Science of the Total Environment, 2021, 792, 148479.	8.0	54
14	Occurrence, profiles, and toxic equivalents of chlorinated and brominated polycyclic aromatic hydrocarbons in E-waste open burning soils. Environmental Pollution, 2017, 225, 252-260.	7.5	52
15	Removal of contaminants of emerging concern from real wastewater by an innovative hybrid membrane process â€“ UltraSound, Adsorption, and Membrane ultrafiltration (USAMeÂ®). Ultrasonics Sonochemistry, 2020, 68, 105237.	8.2	52
16	Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. Journal of Hazardous Materials, 2021, 415, 125580.	12.4	50
17	Phosphorous recovery by means of fluidized bed homogeneous crystallization of calcium phosphate. Influence of operational variables and electrolytes on brushite homogeneous crystallization. Journal of the Taiwan Institute of Chemical Engineers, 2018, 83, 124-132.	5.3	47
18	Using activated clay for adsorption of sulfone compounds in diesel. Journal of Cleaner Production, 2016, 124, 378-382.	9.3	40

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19	Are pharmaceuticals removal and membrane fouling in electromembrane bioreactor affected by current density?. Science of the Total Environment, 2019, 692, 732-740.	8.0	40
20	Wastewater treatment and fouling control in an electro algae-activated sludge membrane bioreactor. Science of the Total Environment, 2021, 786, 147475.	8.0	40
21	Nickel recovery from synthetic Watts bath electroplating wastewater by homogeneous fluidized bed granulation process. Separation and Purification Technology, 2016, 169, 128-136.	7.9	39
22	Enhanced ozonation of selected pharmaceutical compounds by sonolysis. Environmental Technology (United Kingdom), 2015, 36, 1876-1883.	2.2	36
23	Removal of nickel by homogeneous granulation in a fluidized-bed reactor. Chemosphere, 2016, 164, 59-67.	8.2	35
24	Effect of lead speciation on its oral bioaccessibility in surface dust and soil of electronic-wastes recycling sites. Journal of Hazardous Materials, 2018, 341, 365-372.	12.4	34
25	Recovery of oxalate from bauxite wastewater using fluidized-bed homogeneous granulation process. Journal of Cleaner Production, 2017, 154, 130-138.	9.3	26
26	Water reuse nexus with resource recovery: On the fluidized-bed homogeneous crystallization of copper and phosphate from semiconductor wastewater. Journal of Cleaner Production, 2019, 236, 117705.	9.3	26
27	Solidification/stabilization of fly ash from city refuse incinerator facility and heavy metal sludge with cement additives. Environmental Science and Pollution Research, 2017, 24, 1748-1756.	5.3	24
28	Optimum recovery of phosphate from simulated wastewater by unseeded fluidized-bed crystallization process. Separation and Purification Technology, 2019, 212, 783-790.	7.9	21
29	Removal efficiencies of constructed wetland and efficacy of plant on treating benzene. Sustainable Environment Research, 2016, 26, 93-96.	4.2	19
30	Electroplating sludge handling by solidification/stabilization process: a comprehensive assessment using kaolinite clay, waste latex paint and calcium chloride cement additives. Journal of Material Cycles and Waste Management, 2019, 21, 1505-1517.	3.0	17
31	Control of fouling formation in membrane ultrafiltration by ultrasound irradiation. Environmental Technology (United Kingdom), 2015, 36, 1299-1307.	2.2	14
32	Distribution of pharmaceutical and personal care products (PPCPs) in aquatic environment in Hanoi and Metro Manila. Environmental Monitoring and Assessment, 2021, 193, 847.	2.7	11
33	Design and performance of Fe3O4@SiO2/MoO3/polydopamine-graphene oxide composites for visible light photocatalysis. Emergent Materials, 2021, 4, 1425-1439.	5.7	10
34	Self-forming Dynamic Membranes for Wastewater Treatment. Separation and Purification Reviews, 2022, 51, 195-211.	5.5	9
35	Patchwork of land use, tapestry of risk. Journal of Environmental Planning and Management, 2012, 55, 1-15.	4.5	8
36	Fouling Mitigation and Wastewater Treatment Enhancement through the Application of an Electro Moving Bed Membrane Bioreactor (eMB-MBR). Membranes, 2018, 8, 116.	3.0	7

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37	Remediation of cobalt from semiconductor wastewater in the frame of fluidized-bed homogeneous granulation process. Journal of Environmental Chemical Engineering, 2021, 9, 105936.	6.7	7
38	Instrumental Odour Monitoring System Classification Performance Optimization by Analysis of Different Pattern-Recognition and Feature Extraction Techniques. Sensors, 2021, 21, 114.	3.8	7
39	Material Recovery and Environmental Impact by Informal E-Waste Recycling Site in the Philippines. Ecoproduction, 2017, , 197-213.	0.8	6
40	Multi-Attribute Assessment of Waste-to-Energy Technologies for Medical, Industrial, and Electronic Residual Wastes. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	5
41	ODOUR EMISSION CAPACITY AS A SURROGATE PARAMETER FOR THE ASSESSMENT OF RIVER WATER QUALITY. WIT Transactions on Ecology and the Environment, 2017, , .	0.0	1
42	Advanced Configuration for Efficient Membrane Bioreactors. Handbook of Environmental Chemistry, 2022, , 101-145.	0.4	0
43	Electrochemical membrane bioreactors for wastewater treatment. , 2022, , 163-194.		0