

Luis F O Silva

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

6,668
citations

55
h-index

73
g-index

207
ext. papers

7,740
ext. citations

6.9
avg, IF

6.47
L-index

#	Paper	IF	Citations
199	Changes in mobility of hazardous elements during coal combustion in Santa Catarina power plant (Brazil). <i>Fuel</i> , 2012 , 94, 495-503	7.1	168
198	Identification of nanominerals and nanoparticles in burning coal waste piles from Portugal. <i>Science of the Total Environment</i> , 2010 , 408, 6032-41	10.2	159
197	Chemical composition and minerals in pyrite ash of an abandoned sulphuric acid production plant. <i>Science of the Total Environment</i> , 2012 , 430, 34-47	10.2	128
196	Mineralogy and leaching characteristics of beneficiated coal products from Santa Catarina, Brazil. <i>International Journal of Coal Geology</i> , 2012 , 94, 314-325	5.5	115
195	Exposure to polycyclic aromatic hydrocarbons in atmospheric PM of urban environments: Carcinogenic and mutagenic respiratory health risk by age groups. <i>Environmental Pollution</i> , 2017 , 224, 158-170	9.3	114
194	Study of environmental pollution and mineralogical characterization of sediment rivers from Brazilian coal mining acid drainage. <i>Science of the Total Environment</i> , 2013 , 447, 169-78	10.2	109
193	Time of flight secondary ion mass spectrometry and high-resolution transmission electron microscopy/energy dispersive spectroscopy: a preliminary study of the distribution of Cu ²⁺ and Cu ²⁺ /Pb ²⁺ on a Bt horizon surfaces. <i>Journal of Hazardous Materials</i> , 2011 , 195, 422-31	12.8	106
192	Effects of vegetation on chemical and mineralogical characteristics of soils developed on a decantation bank from a copper mine. <i>Science of the Total Environment</i> , 2012 , 421-422, 220-9	10.2	105
191	Gaseous emissions and sublimates from the Truman Shepherd coal fire, Floyd County, Kentucky: A re-investigation following attempted mitigation of the fire. <i>International Journal of Coal Geology</i> , 2013 , 116-117, 63-74	5.5	103
190	An introductory TEM study of Fe-nanominerals within coal fly ash. <i>Science of the Total Environment</i> , 2009 , 407, 4972-4	10.2	103
189	Mineral speciation and fate of some hazardous contaminants in coal waste pile from anthracite mining in Portugal. <i>International Journal of Coal Geology</i> , 2013 , 109-110, 15-23	5.5	100
188	Direct identification of hazardous elements in ultra-fine and nanominerals from coal fly ash produced during diesel co-firing. <i>Science of the Total Environment</i> , 2014 , 470-471, 444-52	10.2	98
187	A mineralogical and geochemical study of three Brazilian coal cleaning rejects: Demonstration of electron beam applications. <i>International Journal of Coal Geology</i> , 2014 , 130, 33-52	5.5	96
186	Brazilian coal mining residues and sulphide oxidation by Fenton's reaction: an accelerated weathering procedure to evaluate possible environmental impact. <i>Journal of Hazardous Materials</i> , 2011 , 186, 516-25	12.8	96
185	Leaching of potential hazardous elements of coal cleaning rejects. <i>Environmental Monitoring and Assessment</i> , 2011 , 175, 109-26	3.1	93
184	A preliminary study of coal mining drainage and environmental health in the Santa Catarina region, Brazil. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 55-65	4.7	92
183	Nanominerals and ultrafine particles from coal fires from Santa Catarina, South Brazil. <i>International Journal of Coal Geology</i> , 2014 , 122, 50-60	5.5	90

182	Assessment of perfluoroalkyl substances in food items at global scale. <i>Environmental Research</i> , 2014 , 135, 181-9	7.9	89
181	Nanominerals and ultrafine particles in sublimates from the Ruth Mullins coal fire, Perry County, Eastern Kentucky, USA. <i>International Journal of Coal Geology</i> , 2011 , 85, 237-245	5.5	89
180	The occurrence of hazardous volatile elements and nanoparticles in Bulgarian coal fly ashes and the effect on human health exposure. <i>Science of the Total Environment</i> , 2012 , 416, 513-26	10.2	82
179	Geochemistry of ultra-fine and nano-compounds in coal gasification ashes: a synoptic view. <i>Science of the Total Environment</i> , 2013 , 456-457, 95-103	10.2	82
178	Nanomineralogy in the real world: A perspective on nanoparticles in the environmental impacts of coal fire. <i>Chemosphere</i> , 2016 , 147, 439-43	8.4	81
177	Geochemistry and nano-mineralogy of two medium-sulfur northeast Indian coals. <i>International Journal of Coal Geology</i> , 2014 , 121, 26-34	5.5	81
176	Assessment of nitro-polycyclic aromatic hydrocarbons in PM ₁₀ near an area of heavy-duty traffic. <i>Science of the Total Environment</i> , 2014 , 479-480, 57-65	10.2	81
175	Nano-mineralogy of suspended sediment during the beginning of coal rejects spill. <i>Chemosphere</i> , 2016 , 145, 142-7	8.4	80
174	Geochemistry and nano-mineralogy of feed coals, mine overburden, and coal-derived fly ashes from Assam (North-east India): a multi-faceted analytical approach. <i>International Journal of Coal Geology</i> , 2015 , 137, 19-37	5.5	78
173	Liquid chromatography-atmospheric pressure photoionization-Orbitrap analysis of fullerene aggregates on surface soils and river sediments from Santa Catarina (Brazil). <i>Science of the Total Environment</i> , 2015 , 505, 172-9	10.2	78
172	Extensive FE-SEM/EDS, HR-TEM/EDS and ToF-SIMS studies of micron- to nano-particles in anthracite fly ash. <i>Science of the Total Environment</i> , 2013 , 452-453, 98-107	10.2	78
171	Evaluation of the potential of volcanic rock waste from southern Brazil as a natural soil fertilizer. <i>Journal of Cleaner Production</i> , 2017 , 142, 2700-2706	10.3	78
170	Fate of hazardous elements in agricultural soils surrounding a coal power plant complex from Santa Catarina (Brazil). <i>Science of the Total Environment</i> , 2015 , 508, 374-82	10.2	77
169	Multianalytical approaches to the characterisation of minerals associated with coals and the diagnosis of their potential risk by using combined instrumental microspectroscopic techniques and thermodynamic speciation. <i>Fuel</i> , 2012 , 94, 52-63	7.1	77
168	Partitioning of mineralogical and inorganic geochemical components of coals from Santa Catarina, Brazil, by industrial beneficiation processes. <i>International Journal of Coal Geology</i> , 2013 , 116-117, 75-92	5.5	74
167	Nanominerals and nanoparticles in feed coal and bottom ash: implications for human health effects. <i>Environmental Monitoring and Assessment</i> , 2011 , 174, 187-97	3.1	74
166	FTIR analysis and evaluation of carcinogenic and mutagenic risks of nitro-polycyclic aromatic hydrocarbons in PM _{1.0} . <i>Science of the Total Environment</i> , 2016 , 541, 1151-1160	10.2	73
165	Coal cleaning residues and Fe-minerals implications. <i>Environmental Monitoring and Assessment</i> , 2011 , 172, 367-78	3.1	72

164	Observations and Assessment of Fly Ashes from High-Sulfur Bituminous Coals and Blends of High-Sulfur Bituminous and Subbituminous Coals: Environmental Processes Recorded at the Macro- and Nanometer Scale. <i>Energy & Fuels</i> , 2015 , 29, 7168-7177	4.1	71
163	Characterization of Santa Catarina (Brazil) coal with respect to human health and environmental concerns. <i>Environmental Geochemistry and Health</i> , 2009 , 31, 475-85	4.7	71
162	Adsorption of ibuprofen, ketoprofen, and paracetamol onto activated carbon prepared from effluent treatment plant sludge of the beverage industry. <i>Chemosphere</i> , 2021 , 262, 128322	8.4	71
161	Quantitative trace analysis of fullerenes in river sediment from Spain and soils from Saudi Arabia. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5915-23	4.4	70
160	Ambient nanoparticles/nanominerals and hazardous elements from coal combustion activity: Implications on energy challenges and health hazards. <i>Geoscience Frontiers</i> , 2018 , 9, 863-875	6	69
159	Nano-mineralogical investigation of coal and fly ashes from coal-based captive power plant (India): an introduction of occupational health hazards. <i>Science of the Total Environment</i> , 2014 , 468-469, 1128-37	10.2	69
158	Soil interaction and fractionation of added cadmium in some Galician soils. <i>Microchemical Journal</i> , 2013 , 110, 681-690	4.8	67
157	In vitro genotoxic effect of secondary minerals crystallized in rocks from coal mine drainage. <i>Journal of Hazardous Materials</i> , 2018 , 346, 263-272	12.8	65
156	Nanoparticles from construction wastes: A problem to health and the environment. <i>Journal of Cleaner Production</i> , 2019 , 219, 236-243	10.3	64
155	Effective removal of sulfur components from Brazilian power-coals by ultrasonication (40kHz) in presence of H ₂ O ₂ . <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 147-157	8.9	63
154	Environmental assessment and nano-mineralogical characterization of coal, overburden and sediment from Indian coal mining acid drainage. <i>Geoscience Frontiers</i> , 2017 , 8, 1285-1297	6	62
153	Intratracheal instillation of coal and coal fly ash particles in mice induces DNA damage and translocation of metals to extrapulmonary tissues. <i>Science of the Total Environment</i> , 2018 , 625, 589-599	10.2	61
152	Pollution from uncontrolled coal fires: Continuous gaseous emissions and nanoparticles from coal mines. <i>Journal of Cleaner Production</i> , 2019 , 215, 1140-1148	10.3	59
151	A preliminary evaluation of volcanic rock powder for application in agriculture as soil a remineralizer. <i>Science of the Total Environment</i> , 2015 , 512-513, 371-380	10.2	59
150	Hazardous elements and amorphous nanoparticles in historical estuary coal mining area. <i>Geoscience Frontiers</i> , 2019 , 10, 927-939	6	58
149	Nanominerals and potentially hazardous elements from coal cleaning rejects of abandoned mines: Environmental impact and risk assessment. <i>Chemosphere</i> , 2017 , 169, 725-733	8.4	56
148	Geochemistry of carbon nanotube assemblages in coal fire soot, Ruth Mullins fire, Perry County, Kentucky. <i>International Journal of Coal Geology</i> , 2012 , 94, 206-213	5.5	55
147	Complex nanominerals and ultrafine particles assemblages in phosphogypsum of the fertilizer industry and implications on human exposure. <i>Science of the Total Environment</i> , 2010 , 408, 5117-22	10.2	55

146	Potential utilization for the evaluation of particulate and gaseous pollutants at an urban site near a major highway. <i>Science of the Total Environment</i> , 2016 , 543, 161-170	10.2	55
145	Physicochemical characterization and sources of the thoracic fraction of road dust in a Latin American megacity. <i>Science of the Total Environment</i> , 2019 , 652, 434-446	10.2	55
144	Chemical evaluation of by-products of the grape industry as potential agricultural fertilizers. <i>Journal of Cleaner Production</i> , 2019 , 208, 297-306	10.3	54
143	Applied investigation on the interaction of hazardous elements binding on ultrafine and nanoparticles in Chinese anthracite-derived fly ash. <i>Science of the Total Environment</i> , 2012 , 419, 250-64	10.2	53
142	The mobilization of hazardous elements after a tropical storm event in a polluted estuary. <i>Science of the Total Environment</i> , 2016 , 565, 721-729	10.2	51
141	Obese rats are more vulnerable to inflammation, genotoxicity and oxidative stress induced by coal dust inhalation than non-obese rats. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 44-51	7	50
140	Nanoparticulate mineral matter from basalt dust wastes. <i>Chemosphere</i> , 2016 , 144, 2013-7	8.4	49
139	Multifaceted processes controlling the distribution of hazardous compounds in the spontaneous combustion of coal and the effect of these compounds on human health. <i>Environmental Research</i> , 2018 , 160, 562-567	7.9	47
138	Evidence of mercury sequestration by carbon nanotubes and nanominerals present in agricultural soils from a coal fired power plant exhaust. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120747	12.8	45
137	Modification, adsorption, and geochemistry processes on altered minerals and amorphous phases on the nanometer scale: examples from copper mining refuse, Touro, Spain. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6535-45	5.1	45
136	Study of coal cleaning rejects by FIB and sample preparation for HR-TEM: Mineral surface chemistry and nanoparticle-aggregation control for health studies. <i>Journal of Cleaner Production</i> , 2018 , 188, 662-669	10.3	44
135	Cytotoxicity and genotoxicity induced by coal and coal fly ash particles samples in V79 cells. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24019-24031	5.1	44
134	Synthesis of Cyclic α -Amino Acids for Foldamers and Peptide Nanotubes. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3477-3493	3.2	44
133	The properties of the nano-minerals and hazardous elements: Potential environmental impacts of Brazilian coal waste fire. <i>Science of the Total Environment</i> , 2016 , 544, 892-900	10.2	43
132	Acid mine drainage in an Indian high-sulfur coal mining area: Cytotoxicity assay and remediation study. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121851	12.8	42
131	River dynamics and nanoparticles formation: A comprehensive study on the nanoparticle geochemistry of suspended sediments in the Magdalena River, Caribbean Industrial Area. <i>Journal of Cleaner Production</i> , 2019 , 213, 819-824	10.3	42
130	Chemical characterization, nano-particle mineralogy and particle size distribution of basalt dust wastes. <i>Science of the Total Environment</i> , 2016 , 539, 560-565	10.2	41
129	Exposure to nanometric pollutants in primary schools: Environmental implications. <i>Urban Climate</i> , 2019 , 27, 412-419	6.8	41

128	Coal emissions adverse human health effects associated with ultrafine/nano-particles role and resultant engineering controls. <i>Environmental Research</i> , 2017 , 158, 450-455	7.9	37
127	Are children playgrounds safe play areas? Inorganic analysis and lead isotope ratios for contamination assessment in recreational (Brazilian) parks. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 24333-24345	5.1	35
126	Effect of firing temperature on the photocatalytic activity of anatase ceramic glazes. <i>Powder Technology</i> , 2015 , 276, 60-65	5.2	34
125	Chemical and nano-mineralogical study for determining potential uses of legal Colombian gold mine sludge: Experimental evidence. <i>Chemosphere</i> , 2018 , 191, 1048-1055	8.4	33
124	Environmental evaluation and nano-mineralogical study of fresh and unsaturated weathered coal fly ashes. <i>Science of the Total Environment</i> , 2019 , 663, 177-188	10.2	31
123	Atmospheric particle number concentration and size distribution in a traffic impacted area. <i>Atmospheric Pollution Research</i> , 2015 , 6, 877-885	4.5	30
122	Mineralogy and Leaching Characteristics of Coal Ash from a Major Brazilian Power Plant. <i>Coal Combustion and Gasification Products</i> , 2010 , 2, 51-65		30
121	Vanadium and Nickel Speciation in Pulverized Coal and Petroleum Coke Co-combustion. <i>Energy & Fuels</i> , 2013 , 27, 1194-1203	4.1	28
120	An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104546	6.8	28
119	High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (<i>Syagrus romanzoffiana</i>). <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104911	6.8	28
118	Composition and porosity study of original and restoration materials included in a coastal historical construction. <i>Construction and Building Materials</i> , 2018 , 178, 384-392	6.7	28
117	Copper distribution in surface and subsurface soil horizons. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10997-1008	5.1	27
116	Treatment of Effluent from the Agate Dyeing Industry Using Photodegradation and Electrodialysis Processes. <i>Separation Science and Technology</i> , 2015 , 50, 142-147	2.5	26
115	Multiple relationships between aerosol and COVID-19: A framework for global studies. <i>Gondwana Research</i> , 2021 , 93, 243-251	5.1	26
114	Obesity associated with coal ash inhalation triggers systemic inflammation and oxidative damage in the hippocampus of rats. <i>Food and Chemical Toxicology</i> , 2019 , 133, 110766	4.7	25
113	Low Abundances but High Growth Rates of Coastal Heterotrophic Bacteria in the Red Sea. <i>Frontiers in Microbiology</i> , 2018 , 9, 3244	5.7	25
112	Formation of carbon quantum dots and graphene nanosheets from different abundant carbonaceous materials. <i>Diamond and Related Materials</i> , 2020 , 106, 107813	3.5	25
111	In-situ analytical study of bricks exposed to marine environment using hand-held X-ray fluorescence spectrometry and related laboratory techniques. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 146, 28-35	3.1	25

110	Water quality assessment of the Tubarō River through chemical analysis and biomarkers in the Neotropical fish <i>Geophagus brasiliensis</i> . <i>Environmental Science and Pollution Research</i> , 2014 , 21, 9145-60 ^{5.1}	25
109	Nanominerals assemblages and hazardous elements assessment in phosphogypsum from an abandoned phosphate fertilizer industry. <i>Chemosphere</i> , 2020 , 256, 127138	8.4 25
108	Multiple hazardous elements in nanoparticulate matter from a Caribbean industrialized atmosphere. <i>Chemosphere</i> , 2020 , 239, 124776	8.4 25
107	Nanoparticles in fossil and mineral fuel sectors and their impact on environment and human health: A review and perspective. <i>Gondwana Research</i> , 2021 , 92, 184-201	5.1 24
106	A comprehensive study of biofilms growing on the built heritage of a Caribbean industrial city in correlation with construction materials. <i>International Biodeterioration and Biodegradation</i> , 2020 , 147, 104874	4.8 23
105	Transforming shrub waste into a high-efficiency adsorbent: Application of <i>Physalis peruviana</i> chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104574	6.8 22
104	Application of andesite rock as a clean source of fertilizer for eucalyptus crop: Evidence of sustainability. <i>Journal of Cleaner Production</i> , 2020 , 256, 120432	10.3 21
103	Evaluation of the role of biocolonizations in the conservation state of Machu Picchu (Peru): The Sacred Rock. <i>Science of the Total Environment</i> , 2019 , 654, 1379-1388	10.2 20
102	Development of highly porous activated carbon from <i>Jacaranda mimosifolia</i> seed pods for remarkable removal of aqueous-phase ketoprofen. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105676	6.8 20
101	Hazardous thoracic and ultrafine particles from road dust in a Caribbean industrial city. <i>Urban Climate</i> , 2020 , 33, 100655	6.8 19
100	Cluster analysis of urban ultrafine particles size distributions. <i>Atmospheric Pollution Research</i> , 2019 , 10, 45-52	4.5 19
99	Occurrence of carbon nanotubes and implication for the siting of elements in selected anthracites. <i>Fuel</i> , 2020 , 263, 116740	7.1 19
98	Copper decreases associative learning and memory in <i>Drosophila melanogaster</i> . <i>Science of the Total Environment</i> , 2020 , 710, 135306	10.2 19
97	Air quality and PM-associated poly-aromatic hydrocarbons around the railway traffic area: statistical and air mass trajectory approaches. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 2039-2053 ^{4.7}	19
96	Environmental assessment of viticulture waste valorisation through composting as a biofertilisation strategy for cereal and fruit crops. <i>Environmental Pollution</i> , 2020 , 264, 114794	9.3 18
95	The impact of air pollution on the rate of degradation of the fortress of Florianópolis Island, Brazil. <i>Chemosphere</i> , 2020 , 251, 126838	8.4 16
94	Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from <i>Butia capitata</i> endocarp. <i>Journal of Molecular Liquids</i> , 2021 , 339, 117184	6 16
93	Atmospheric contaminations and bad conservation effects in Roman mosaics and mortars of Italica. <i>Journal of Cleaner Production</i> , 2020 , 248, 119250	10.3 15

92	A review on the environmental impact of phosphogypsum and potential health impacts through the release of nanoparticles. <i>Chemosphere</i> , 2022 , 286, 131513	8.4	15
91	Nanomineralogy of mortars and ceramics from the Forum of Caesar and Nerva (Rome, Italy): The protagonist of black crusts produced on historic buildings. <i>Journal of Cleaner Production</i> , 2021 , 278, 123982	10.3	15
90	Spatio-temporal variations of sulfur dioxide concentrations in industrial and urban area via a new statistical approach. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 801-813	5.6	15
89	Volcanic emissions and atmospheric pollution: A study of nanoparticles. <i>Geoscience Frontiers</i> , 2021 , 12, 746-755	6	14
88	Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1525-1543	13.3	14
87	The role of airborne particles and environmental considerations in the transmission of SARS-CoV-2. <i>Geoscience Frontiers</i> , 2021 , 12, 101189	6	14
86	Historic building materials from Alhambra: Nanoparticles and global climate change effects. <i>Journal of Cleaner Production</i> , 2019 , 232, 751-758	10.3	13
85	Rare Earth Elements and carbon nanotubes in coal mine around spontaneous combustions. <i>Journal of Cleaner Production</i> , 2020 , 253, 120068	10.3	13
84	Atmospheric nanocompounds on Lanzarote Island: Vehicular exhaust and igneous geologic formation interactions. <i>Chemosphere</i> , 2020 , 254, 126822	8.4	13
83	Fire resistance performance of concrete-PVC panels with polyvinyl chloride (PVC) stay in place (SIP) formwork. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 4094-4107	5.5	13
82	An analysis of vehicular exhaust derived nanoparticles and historical Belgium fortress building interfaces. <i>Geoscience Frontiers</i> , 2020 , 11, 2053-2060	6	13
81	Trapping of Ag ⁺ , Cu ²⁺ , and Co ²⁺ by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. <i>Chemical Engineering Journal</i> , 2021 , 420, 127747	14.7	13
80	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105421	6.8	13
79	Experimental method for investigating the impact of the addition of polymer fibers on drying shrinkage and cracking of concretes. <i>Structural Concrete</i> , 2019 , 20, 1064-1075	2.6	12
78	Weekly variations of viruses and heterotrophic nanoflagellates and their potential impact on bacterioplankton in shallow waters of the central Red Sea. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	12
77	Geochemical fractionation of hazardous elements in fresh and drilled weathered South African coal fly ashes. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 2771-2788	4.7	12
76	Evaluation of Soil Re-mineralizer from By-Product of Volcanic Rock Mining: Experimental Proof Using Black Oats and Maize Crops. <i>Natural Resources Research</i> , 2020 , 29, 1583-1600	4.9	12
75	Hazardous elements in the soil of urban cemeteries; constructive solutions aimed at sustainability. <i>Chemosphere</i> , 2021 , 262, 128248	8.4	12

74	Release kinetics of multi-nutrients from volcanic rock mining by-products: Evidences for their use as a soil remineralizer. <i>Journal of Cleaner Production</i> , 2021 , 279, 123668	10.3	11
73	Determination of volume and distribution of pores of concretes according to different exposure classes through 3D microtomography and mercury intrusion porosimetry. <i>Structural Concrete</i> , 2018 , 19, 1419-1427	2.6	11
72	Nanometric particles of high economic value in coal fire region: Opportunities for social improvement. <i>Journal of Cleaner Production</i> , 2020 , 256, 120480	10.3	10
71	Understanding the mobility of potential nutrients in rock mining by-products: An opportunity for more sustainable agriculture and mining. <i>Science of the Total Environment</i> , 2020 , 710, 136240	10.2	10
70	Environmental aspects of the depreciation of the culturally significant Wall of Cartagena de Indias - Colombia. <i>Chemosphere</i> , 2021 , 265, 129119	8.4	10
69	Implications of iron nanoparticles in spontaneous coal combustion and the effects on climatic variables. <i>Chemosphere</i> , 2020 , 254, 126814	8.4	9
68	Heterotrophic bacterioplankton responses in coral- and algae-dominated Red Sea reefs show they might benefit from future regime shift. <i>Science of the Total Environment</i> , 2021 , 751, 141628	10.2	9
67	Metal-enriched nanoparticles and black carbon: A perspective from the Brazil railway system air pollution. <i>Geoscience Frontiers</i> , 2021 , 12, 101129	6	8
66	Zinc Speciation in Power Plant Burning Mixtures of Coal and Tires. <i>Coal Combustion and Gasification Products</i> , 2011 , 3, 41-50		7
65	Titanium nanoparticles in sedimented dust aggregates from urban children's parks around coal ashes wastes. <i>Fuel</i> , 2021 , 285, 119162	7.1	7
64	Soil contamination in Colombian playgrounds: effects of vehicles, construction, and traffic. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 166-176	5.1	7
63	Comparative carbon emission assessments of recycled and natural aggregate concrete: Environmental influence of cement content. <i>Geoscience Frontiers</i> , 2021 , 12, 101235	6	7
62	Nanomineralogy of evaporative precipitation of efflorescent compounds from coal mine drainage. <i>Geoscience Frontiers</i> , 2020 , 12, 101003-101003	6	6
61	Morphology, composition and mixing state of individual airborne particles: Effects of the 2017 Action Plan in Beijing, China. <i>Journal of Cleaner Production</i> , 2021 , 329, 129748	10.3	6
60	Multianalytical approach of stay-in-place polyvinyl chloride formwork concrete exposed to high temperatures. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5045-5055	5.5	6
59	Indoor-outdoor relationships of airborne nanoparticles, BC and VOCs at rural and urban preschools. <i>Environmental Pollution</i> , 2021 , 268, 115751	9.3	6
58	Air pollutants and their degradation of a historic building in the largest metropolitan area in Latin America. <i>Chemosphere</i> , 2021 , 277, 130286	8.4	6
57	COVID-19 mortality and exposure to airborne PM: A lag time correlation. <i>Science of the Total Environment</i> , 2022 , 806, 151286	10.2	5

56	Identification of hazardous nanoparticles present in the Caribbean Sea for the allocation of future preservation projects. <i>Marine Pollution Bulletin</i> , 2021 , 168, 112425	6.7	5
55	Identification of mercury and nanoparticles in roots with different oxidation states of an abandoned coal mine. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 24380-24386	5.1	5
54	Evaluation of factors influencing road dust loadings in a Latin American urban center. <i>Journal of the Air and Waste Management Association</i> , 2021 , 71, 268-280	2.4	5
53	Number concentrations and size distributions of nanoparticles during the use of hand tools in refurbishment activities. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	5
52	Nanoparticles as vectors of other contaminants in estuarine suspended sediments: Natural and real conditions. <i>Marine Pollution Bulletin</i> , 2021 , 168, 112429	6.7	5
51	Systems chemo-biology analysis of DNA damage response and cell cycle effects induced by coal exposure. <i>Genetics and Molecular Biology</i> , 2020 , 43, e20190134	2	4
50	Preparation of activated carbon from the residues of the mushroom (<i>Agaricus bisporus</i>) production chain for the adsorption of the 2,4-dichlorophenoxyacetic herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106843	6.8	4
49	Geochemical study of submicron particulate matter (PM1) in a metropolitan area. <i>Geoscience Frontiers</i> , 2020 , 13, 101130	6	4
48	Destoning the Moatize Coal Seam, Mozambique, by Dry Jigging. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 771	2.4	4
47	A realistic study of 3D composition of carbon nanotubes and carbonaceous nanocompounds from different soils around coal power plant. <i>Chemosphere</i> , 2019 , 237, 124534	8.4	4
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