

# Luis F O Silva

## List of Publications by Year in Descending Order

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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	Application of biowaste generated by the production chain of pitaya fruit ( <i>Hylocereus undatus</i> ) as an efficient adsorbent for removal of naproxen in water.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	
198	Application of arafruit husks ( <i>Psidium cattleianum</i> ) in the preparation of activated carbon with FeCl <sub>3</sub> for atrazine herbicide adsorption. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 180, 67-67	5.5	1
197	Effects of atmospheric pollutants on human health and deterioration of medieval historical architecture (North Africa, Tunisia). <i>Urban Climate</i> , <b>2022</b> , 41, 101046	6.8	1
196	Residual peel of pitaya fruit ( <i>Hylocereus undatus</i> ) as a precursor to obtaining an efficient carbon-based adsorbent for the removal of metanil yellow dye from water. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107006	6.8	0
195	COVID-19 mortality and exposure to airborne PM: A lag time correlation. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 151286	10.2	5
194	A review on the environmental impact of phosphogypsum and potential health impacts through the release of nanoparticles. <i>Chemosphere</i> , <b>2022</b> , 286, 131513	8.4	15
193	Diel dynamics of dissolved organic matter and heterotrophic prokaryotes reveal enhanced growth at the ocean's mesopelagic fish layer during daytime. <i>Science of the Total Environment</i> , <b>2022</b> , 804, 150098	10.2	3
192	High-Frequency Variability of Bacterioplankton in Response to Environmental Drivers in Red Sea Coastal Waters.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 780530	5.7	
191	Preparation of activated carbons from fruit residues for the removal of naproxen (NPX): Analytical interpretation via statistical physical model. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 356, 119021	6	0
190	Leaching of rare earth elements from phosphogypsum.. <i>Chemosphere</i> , <b>2022</b> , 301, 134661	8.4	3
189	Polishing of painting process effluents through adsorption with biochar from winemaking residues.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	
188	A review of the toxicology presence and removal of ketoprofen through adsorption technology. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107798	6.8	1
187	Geochemical, mineralogical, and petrological characteristics of the Cretaceous coal from the middle Benue Trough Basin, Nigeria: Implication for coal depositional environments. <i>Energy Geoscience</i> , <b>2022</b> , 3, 300-313	5.8	0
186	Efficient removal of naproxen from aqueous solution by highly porous activated carbon produced from Grapetree ( <i>Plinia cauliflora</i> ) fruit peels. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106820	6.8	2
185	One step acid modification of the residual bark from using HSO and application in the removal of 2,4-dichlorophenoxyacetic from aqueous solution. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2021</b> , 1-12	2.2	
184	Adsorption performance of Food Red 17 dye using an eco-friendly material based on <i>Luffa cylindrica</i> and chitosan. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 118144	6	0
183	Transforming agricultural waste into adsorbent: application of <i>Fagopyrum esculentum</i> wheat husks treated with H <sub>2</sub> SO <sub>4</sub> to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106872	6.8	0

182	Morphology, composition and mixing state of individual airborne particles: Effects of the 2017 Action Plan in Beijing, China. <i>Journal of Cleaner Production</i> , <b>2021</b> , 329, 129748	10.3	6
181	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> , <b>2021</b> , 9, 106843	6.8	4
180	Heterotrophic Bacterioplankton Growth and Physiological Properties in Red Sea Tropical Shallow Ecosystems With Different Dissolved Organic Matter Sources.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 784325	5.7	0
179	Woody residues of the grape production chain as an alternative precursor of high porous activated carbon with remarkable performance for naproxen uptake from water. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	0
178	The role of roots plants and soil characteristics in coal mining areas: Geochemical and nanomineralogy information still without details. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106539	6.8	1
177	Metals in the soil of urban cemeteries in Carazinho (South Brazil) in view of the increase in deaths from COVID-19: projects for cemeteries to mitigate environmental impacts. <i>Environment, Development and Sustainability</i> , <b>2021</b> , 1-24	4.5	2
176	Environmental and human health risks associated with exposure to hazardous elements present in urban dust from Barranquilla, Colombian Caribbean. <i>Journal of Environmental Quality</i> , <b>2021</b> , 50, 350-363	3.4	2
175	Volcanic emissions and atmospheric pollution: A study of nanoparticles. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 746-755	6	14
174	Nanoparticles in fossil and mineral fuel sectors and their impact on environment and human health: A review and perspective. <i>Gondwana Research</i> , <b>2021</b> , 92, 184-201	5.1	24
173	Metal-enriched nanoparticles and black carbon: A perspective from the Brazil railway system air pollution. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101129	6	8
172	Multiple relationships between aerosol and COVID-19: A framework for global studies. <i>Gondwana Research</i> , <b>2021</b> , 93, 243-251	5.1	26
171	A review on Pb-bearing nanoparticles, particulate matter and colloids released from mining and smelting activities. <i>Gondwana Research</i> , <b>2021</b> ,	5.1	2
170	Identification of hazardous nanoparticles present in the Caribbean Sea for the allocation of future preservation projects. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112425	6.7	5
169	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112444	6.7	3
168	A tool for realistic study of nanoparticulate coal rejects. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 121916	10.3	2
167	Portable dehumidifiers as an original matrix for the study of inhalable nanoparticles in school. <i>Chemosphere</i> , <b>2021</b> , 262, 127295	8.4	2
166	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> , <b>2021</b> , 279, 123668	10.3	11
165	Titanium nanoparticles in sedimented dust aggregates from urban children's parks around coal ashes wastes. <i>Fuel</i> , <b>2021</b> , 285, 119162	7.1	7

164	Evaluation of factors influencing road dust loadings in a Latin American urban center. <i>Journal of the Air and Waste Management Association</i> , <b>2021</b> , 71, 268-280	2.4	5
163	Soil contamination in Colombian playgrounds: effects of vehicles, construction, and traffic. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 166-176	5.1	7
162	Adsorption of ibuprofen, ketoprofen, and paracetamol onto activated carbon prepared from effluent treatment plant sludge of the beverage industry. <i>Chemosphere</i> , <b>2021</b> , 262, 128322	8.4	71
161	Hazardous elements in the soil of urban cemeteries; constructive solutions aimed at sustainability. <i>Chemosphere</i> , <b>2021</b> , 262, 128248	8.4	12
160	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> , <b>2021</b> , 751, 141628	10.2	9
159	Trapping of Ag <sup>+</sup> , Cu <sup>2+</sup> , and Co <sup>2+</sup> by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 1277127	14.7	13
158	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> , <b>2021</b> , 9, 104911	6.8	28
157	Oxidative chemical beneficiation of low-quality coals under low-energy ultrasonic and microwave irradiation: An environmental-friendly approach. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104830	6.8	2
156	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> , <b>2021</b> , 278, 123982	10.3	15
155	Indoor-outdoor relationships of airborne nanoparticles, BC and VOCs at rural and urban preschools. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115751	9.3	6
154	Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 1525-1543	13.3	14
153	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> , <b>2021</b> , 9, 104574	6.8	22
152	Environmental aspects of the depreciation of the culturally significant Wall of Cartagena de Indias - Colombia. <i>Chemosphere</i> , <b>2021</b> , 265, 129119	8.4	10
151	Sustainable Release of Macronutrients to Black Oat and Maize Crops from Organically-Altered Dacite Rock Powder. <i>Natural Resources Research</i> , <b>2021</b> , 30, 1941-1953	4.9	1
150	Nanoparticles and interfaces with toxic elements in fluvial suspended sediment. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112405	6.7	3
149	Characterization of Demolished Concretes with Three Different Strengths for Recycling as Coarse Aggregate. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 803	2.4	2
148	Nanoparticles as vectors of other contaminants in estuarine suspended sediments: Natural and real conditions. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 168, 112429	6.7	5
147	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> , <b>2021</b> , 9, 105421	6.8	13

146	Construction and Demolition Waste Recycling through Conventional Jig, Air Jig, and Sensor-Based Sorting: A Comparison. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 904	2.4	2
145	Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	0
144	Air pollutants and their degradation of a historic building in the largest metropolitan area in Latin America. <i>Chemosphere</i> , <b>2021</b> , 277, 130286	8.4	6
143	Dispersion of hazardous nanoparticles on beaches around phosphogypsum factories. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 169, 112493	6.7	3
142	Development of highly porous activated carbon from Jacaranda mimosifolia seed pods for remarkable removal of aqueous-phase ketoprofen. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105676	6.8	20
141	Spatial Distribution and Chemical Composition of Road Dust in Two High-Altitude Latin American Cities. <i>Atmosphere</i> , <b>2021</b> , 12, 1109	2.7	2
140	The impact of air pollutants on the degradation of two historic buildings in Bordeaux, France. <i>Urban Climate</i> , <b>2021</b> , 39, 100927	6.8	3
139	The role of airborne particles and environmental considerations in the transmission of SARS-CoV-2. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101189	6	14
138	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> , <b>2021</b> , 339, 117184	6	16
137	Comparative carbon emission assessments of recycled and natural aggregate concrete: Environmental influence of cement content. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101235	6	7
136	Rare earth elements study of Cretaceous coals from Benue Trough basin, Nigeria: Modes of occurrence for greater sustainability of mining. <i>Fuel</i> , <b>2021</b> , 304, 121468	7.1	1
135	Biophysical matter in a marine estuary identified by the Sentinel-3B OLCI satellite and the presence of terrestrial iron (Fe) nanoparticles. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 173, 112925	6.7	4
134	Nanomineralogy of evaporative precipitation of efflorescent compounds from coal mine drainage. <i>Geoscience Frontiers</i> , <b>2020</b> , 12, 101003-101003	6	6
133	Hazardous thoracic and ultrafine particles from road dust in a Caribbean industrial city. <i>Urban Climate</i> , <b>2020</b> , 33, 100655	6.8	19
132	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> , <b>2020</b> , 96,	4.3	12
131	Formation of carbon quantum dots and graphene nanosheets from different abundant carbonaceous materials. <i>Diamond and Related Materials</i> , <b>2020</b> , 106, 107813	3.5	25
130	A three-dimensional nanoscale study in selected coal mine drainage. <i>Chemosphere</i> , <b>2020</b> , 248, 125946	8.4	3
129	Nanometric particles of high economic value in coal fire region: Opportunities for social improvement. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120480	10.3	10

128	Rare Earth Elements and carbon nanotubes in coal mine around spontaneous combustions. <i>Journal of Cleaner Production</i> , <b>2020</b> , 253, 120068	10.3	13
127	Application of andesite rock as a clean source of fertilizer for eucalyptus crop: Evidence of sustainability. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120432	10.3	21
126	The impact of air pollution on the rate of degradation of the fortress of Florianópolis Island, Brazil. <i>Chemosphere</i> , <b>2020</b> , 251, 126838	8.4	16
125	Atmospheric nanocompounds on Lanzarote Island: Vehicular exhaust and igneous geologic formation interactions. <i>Chemosphere</i> , <b>2020</b> , 254, 126822	8.4	13
124	Implications of iron nanoparticles in spontaneous coal combustion and the effects on climatic variables. <i>Chemosphere</i> , <b>2020</b> , 254, 126814	8.4	9
123	Systems chemo-biology analysis of DNA damage response and cell cycle effects induced by coal exposure. <i>Genetics and Molecular Biology</i> , <b>2020</b> , 43, e20190134	2	4
122	Nanominerals assemblages and hazardous elements assessment in phosphogypsum from an abandoned phosphate fertilizer industry. <i>Chemosphere</i> , <b>2020</b> , 256, 127138	8.4	25
121	Environmental assessment of viticulture waste valorisation through composting as a biofertilisation strategy for cereal and fruit crops. <i>Environmental Pollution</i> , <b>2020</b> , 264, 114794	9.3	18
120	An analysis of vehicular exhaust derived nanoparticles and historical Belgium fortress building interfaces. <i>Geoscience Frontiers</i> , <b>2020</b> , 11, 2053-2060	6	13
119	Particulate matter geochemistry of a highly industrialized region in the Caribbean: Basis for future toxicological studies. <i>Geoscience Frontiers</i> , <b>2020</b> , 101115	6	3
118	Geochemical study of submicron particulate matter (PM1) in a metropolitan area. <i>Geoscience Frontiers</i> , <b>2020</b> , 13, 101130	6	4
117	Occurrence of carbon nanotubes and implication for the siting of elements in selected anthracites. <i>Fuel</i> , <b>2020</b> , 263, 116740	7.1	19
116	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> , <b>2020</b> , 147, 104874	4.8	23
115	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> , <b>2020</b> , 710, 136240	10.2	10
114	Geochemical fractionation of hazardous elements in fresh and drilled weathered South African coal fly ashes. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 42, 2771-2788	4.7	12
113	Measured data of (Diptera Drosophilidae) development and learning and memory behaviour after copper exposition. <i>Data in Brief</i> , <b>2020</b> , 28, 104986	1.2	1
112	Acid mine drainage in an Indian high-sulfur coal mining area: Cytotoxicity assay and remediation study. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 389, 121851	12.8	42
111	Atmospheric contaminations and bad conservation effects in Roman mosaics and mortars of Italica. <i>Journal of Cleaner Production</i> , <b>2020</b> , 248, 119250	10.3	15

110	Copper decreases associative learning and memory in <i>Drosophila melanogaster</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 710, 135306	10.2	19
109	Nanoparticles from evaporite materials in Colombian coal mine drainages. <i>International Journal of Coal Geology</i> , <b>2020</b> , 230, 103588	5.5	1
108	Destoning the Moatize Coal Seam, Mozambique, by Dry Jigging. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 771	2.4	4
107	Analysis of the influence of thickness on fire reaction performance in polyisocyanurate core sandwich panels. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 9487-9497	5.5	3
106	An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104546	6.8	28
105	Multiple hazardous elements in nanoparticulate matter from a Caribbean industrialized atmosphere. <i>Chemosphere</i> , <b>2020</b> , 239, 124776	8.4	25
104	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> , <b>2020</b> , 29, 1583-1600	4.9	12
103	Identification of mercury and nanoparticles in roots with different oxidation states of an abandoned coal mine. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 24380-24386	5.1	5
102	Multianalytical approach of stay-in-place polyvinyl chloride formwork concrete exposed to high temperatures. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 5045-5055	5.5	6
101	Obesity associated with coal ash inhalation triggers systemic inflammation and oxidative damage in the hippocampus of rats. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 133, 110766	4.7	25
100	Pollution from uncontrolled coal fires: Continuous gaseous emissions and nanoparticles from coal mines. <i>Journal of Cleaner Production</i> , <b>2019</b> , 215, 1140-1148	10.3	59
99	Environmental evaluation and nano-mineralogical study of fresh and unsaturated weathered coal fly ashes. <i>Science of the Total Environment</i> , <b>2019</b> , 663, 177-188	10.2	31
98	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> , <b>2019</b> , 378, 120747	12.8	45
97	Historic building materials from Alhambra: Nanoparticles and global climate change effects. <i>Journal of Cleaner Production</i> , <b>2019</b> , 232, 751-758	10.3	13
96	Experimental method for investigating the impact of the addition of polymer fibers on drying shrinkage and cracking of concretes. <i>Structural Concrete</i> , <b>2019</b> , 20, 1064-1075	2.6	12
95	Nanoparticles from construction wastes: A problem to health and the environment. <i>Journal of Cleaner Production</i> , <b>2019</b> , 219, 236-243	10.3	64
94	Exposure to nanometric pollutants in primary schools: Environmental implications. <i>Urban Climate</i> , <b>2019</b> , 27, 412-419	6.8	41
93	Cluster analysis of urban ultrafine particles size distributions. <i>Atmospheric Pollution Research</i> , <b>2019</b> , 10, 45-52	4.5	19

92	Hazardous elements and amorphous nanoparticles in historical estuary coal mining area. <i>Geoscience Frontiers</i> , <b>2019</b> , 10, 927-939	6	58
91	Fire resistance performance of concrete-PVC panels with polyvinyl chloride (PVC) stay in place (SIP) formwork. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 4094-4107	5.5	13
90	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> , <b>2019</b> , 41, 2039-2053	4.7	19
89	A realistic study of 3D composition of carbon nanotubes and carbonaceous nanocompounds from different soils around coal power plant. <i>Chemosphere</i> , <b>2019</b> , 237, 124534	8.4	4
88	River dynamics and nanopaticles formation: A comprehensive study on the nanoparticle geochemistry of suspended sediments in the Magdalena River, Caribbean Industrial Area. <i>Journal of Cleaner Production</i> , <b>2019</b> , 213, 819-824	10.3	42
87	Evaluating sulfates and nitrates as enemies of the recent constructions: Spectroscopic and thermodynamical study. <i>Journal of Raman Spectroscopy</i> , <b>2019</b> , 50, 436-446	2.3	3
86	Physicochemical characterization and sources of the thoracic fraction of road dust in a Latin American megacity. <i>Science of the Total Environment</i> , <b>2019</b> , 652, 434-446	10.2	55
85	Evaluation of the role of biocolonizations in the conservation state of Machu Picchu (Peru): The Sacred Rock. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 1379-1388	10.2	20
84	Chemical evaluation of by-products of the grape industry as potential agricultural fertilizers. <i>Journal of Cleaner Production</i> , <b>2019</b> , 208, 297-306	10.3	54
83	Low Abundances but High Growth Rates of Coastal Heterotrophic Bacteria in the Red Sea. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3244	5.7	25
82	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> , <b>2018</b> , 188, 662-669	10.3	44
81	Ambient nanoparticles/nanominerals and hazardous elements from coal combustion activity: Implications on energy challenges and health hazards. <i>Geoscience Frontiers</i> , <b>2018</b> , 9, 863-875	6	69
80	In vitro genotoxic effect of secondary minerals crystallized in rocks from coal mine drainage. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 346, 263-272	12.8	65
79	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> , <b>2018</b> , 625, 589-599	10.2	61
78	Chemical and nano-mineralogical study for determining potential uses of legal Colombian gold mine sludge: Experimental evidence. <i>Chemosphere</i> , <b>2018</b> , 191, 1048-1055	8.4	33
77	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> , <b>2018</b> , 146, 28-35	3.1	25
76	Treatment of effluent from re-refined lubricating oils by combined processes of coagulation, flocculation, and Fenton process. <i>Environmental Quality Management</i> , <b>2018</b> , 27, 135-141	0.8	1
75	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> , <b>2018</b> , 160, 562-567	7.9	47



74	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> , <b>2018</b> , 19, 1419-1427	2.6	11
73	Number concentrations and size distributions of nanoparticles during the use of hand tools in refurbishment activities. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	5
72	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> , <b>2018</b> , 165, 44-51	7	50
71	Spatio-temporal variations of sulfur dioxide concentrations in industrial and urban area via a new statistical approach. <i>Air Quality, Atmosphere and Health</i> , <b>2018</b> , 11, 801-813	5.6	15
70	Composition and porosity study of original and restoration materials included in a coastal historical construction. <i>Construction and Building Materials</i> , <b>2018</b> , 178, 384-392	6.7	28
69	Exposure to polycyclic aromatic hydrocarbons in atmospheric PM of urban environments: Carcinogenic and mutagenic respiratory health risk by age groups. <i>Environmental Pollution</i> , <b>2017</b> , 224, 158-170	9.3	114
68	The use of Mössbauer spectroscopy in environmental research. <i>Hyperfine Interactions</i> , <b>2017</b> , 238, 1	0.8	3
67	Environmental assessment and nano-mineralogical characterization of coal, overburden and sediment from Indian coal mining acid drainage. <i>Geoscience Frontiers</i> , <b>2017</b> , 8, 1285-1297	6	62
66	Coal emissions adverse human health effects associated with ultrafine/nano-particles role and resultant engineering controls. <i>Environmental Research</i> , <b>2017</b> , 158, 450-455	7.9	37
65	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> , <b>2017</b> , 24, 24333-24345	5.1	35
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