

Elio Padoan

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

667
citations

759233

12
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaccessibility and size distribution of metals in road dust and roadside soils along a peri-urban transect. <i>Science of the Total Environment</i> , 2017, 601-602, 89-98.	8.0	148
2	First Results of the "Carbonaceous Aerosol in Rome and Environs (CARE) Experiment: Beyond Current Standards for PM10. <i>Atmosphere</i> , 2017, 8, 249.	2.3	54
3	An empirical model to predict road dust emissions based on pavement and traffic characteristics. <i>Environmental Pollution</i> , 2018, 237, 713-720.	7.5	50
4	Spatial distribution and potential sources of trace elements in PM10 monitored in urban and rural sites of Piedmont Region. <i>Chemosphere</i> , 2016, 145, 495-507.	8.2	46
5	Soil particle size fraction and potentially toxic elements bioaccessibility: A review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111806.	6.0	43
6	Potentially toxic elements in the Middle East oldest oil refinery zone soils: source apportionment, speciation, bioaccessibility and human health risk assessment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40573-40591.	5.3	35
7	Incorporating oral bioaccessibility into human health risk assessment due to potentially toxic elements in extractive waste and contaminated soils from an abandoned mine site. <i>Chemosphere</i> , 2020, 255, 126927.	8.2	34
8	Linking oral bioaccessibility and solid phase distribution of potentially toxic elements in extractive waste and soil from an abandoned mine site: Case study in Campello Monti, NW Italy. <i>Science of the Total Environment</i> , 2019, 651, 2799-2810.	8.0	33
9	Characterization of Road Dust Emissions in Milan: Impact of Vehicle Fleet Speed. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2438-2449.	2.1	28
10	Physico-chemical characterization of playground sand dust, inhalable and bioaccessible fractions. <i>Chemosphere</i> , 2018, 190, 454-462.	8.2	22
11	The Suitability of Short Rotation Coppice Crops for Phytoremediation of Urban Soils. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 307.	2.5	21
12	Vertical and horizontal fall-off of black carbon and NO2 within urban blocks. <i>Science of the Total Environment</i> , 2019, 686, 236-245.	8.0	18
13	Metal Release under Anaerobic Conditions of Urban Soils of Four European Cities. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	13
14	Potential Release of Zinc and Cadmium From Mine-Affected Soils Under Flooding, a Mesocosm Study. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 79, 421-434.	4.1	13
15	A New Composite Biomaterial Made from Sunflower Proteins, Urea, and Soluble Polymers Obtained from Industrial and Municipal Biowastes to Perform as Slow Release Fertiliser. <i>Coatings</i> , 2021, 11, 43.	2.6	13
16	Vehicle Non-Exhaust Emissions. , 2018, , 21-65.		12
17	Bioaccessibility of metals in soils surrounding two dismissed mining sites in Northern Italy. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1349-1360.	3.5	11
18	Health risk assessment via ingestion and inhalation of soil PTE of an urban area. <i>Chemosphere</i> , 2021, 281, 130964.	8.2	11

#	ARTICLE	IF	CITATIONS
19	Soil PM10 emission potential under specific mechanical stress and particles characteristics. <i>Science of the Total Environment</i> , 2021, 779, 146468.	8.0	10
20	Environmental impacts, management and potential recovery of residual sludge from the stone industry: The piedmont case. <i>Resources Policy</i> , 2020, 65, 101562.	9.6	9
21	Constructed Technosols: A Strategy toward a Circular Economy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3432.	2.5	8
22	Waste Biopolymers for Eco-Friendly Agriculture and Safe Food Production. <i>Coatings</i> , 2022, 12, 239.	2.6	8
23	High Molecular Weight Biosurfactants from Mild Chemical Reactions of Fermented Municipal Biowastes. <i>ChemistrySelect</i> , 2020, 5, 2564-2576.	1.5	7
24	Evaluation of particulate matter (PM10) emissions and its chemical characteristics during rotary harrowing operations at different forward speeds and levelling bar heights. <i>Environmental Pollution</i> , 2020, 265, 115041.	7.5	6
25	Integrated Chemical Biochemical Technology to Reduce Ammonia Emission from Fermented Municipal Biowaste. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8402-8413.	6.7	6
26	Microplastics in industrial and urban areas in South-West Iran. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10199-10210.	3.5	6
27	Pyoluteorin Produced by the Biocontrol Agent <i>Pseudomonas protegens</i> Is Involved in the Inhibition of Heterobasidion Species Present in Europe. <i>Pathogens</i> , 2022, 11, 391.	2.8	2