

Mattia Pierpaoli

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

508
citations

759233
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all docs

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docs citations

29
times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the microbial community of treated wastewater, its year-round variability and impact on the receiver, using cultivation, microscopy and amplicon-based methods. <i>Science of the Total Environment</i> , 2022, 829, 154630.	8.0	6
2	Electrochemical oxidation of landfill leachate using boron-doped diamond anodes: pollution degradation rate, energy efficiency and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 65625-65641.	5.3	6
3	Electrochemical oxidation of PFOA and PFOS in landfill leachates at low and highly boron-doped diamond electrodes. <i>Journal of Hazardous Materials</i> , 2021, 403, 123606.	12.4	106
4	Carbon nanoarchitectures as high-performance electrodes for the electrochemical oxidation of landfill leachate. <i>Journal of Hazardous Materials</i> , 2021, 401, 123407.	12.4	35
5	The microbial community, its biochemical potential, and the antimicrobial resistance of <i>Enterococcus</i> spp. in Arctic lakes under natural and anthropogenic impact (West Spitsbergen). <i>Science of the Total Environment</i> , 2021, 763, 142998.	8.0	6
6	Mechanical, durability, depolluting and electrical properties of multifunctional mortars prepared with commercial or waste carbon-based fillers. <i>Construction and Building Materials</i> , 2021, 283, 122768.	7.2	6
7	Self-assembly of vertically orientated graphene nanostructures: Multivariate characterisation by Minkowski functionals and fractal geometry. <i>Acta Materialia</i> , 2021, 214, 116989.	7.9	24
8	Simultaneous opto-electrochemical monitoring of carbamazepine and its electro-oxidation by-products in wastewater. <i>Journal of Hazardous Materials</i> , 2021, 419, 126509.	12.4	15
9	Characterization and Filtration Efficiency of Sustainable PLA Fibers Obtained via a Hybrid 3D-Printed/Electrospinning Technique. <i>Materials</i> , 2021, 14, 6766.	2.9	6
10	Development of Microstructured Carbon Coatings by Substrate-Catalytic CVD. <i>Coatings</i> , 2021, 11, 1403.	2.6	1
11	Enhanced photocatalytic activity of transparent carbon nanowall/TiO ₂ heterostructures. <i>Materials Letters</i> , 2020, 262, 127155.	2.6	7
12	The Luminescence of 1,8-Diazafluoren-9-One/Titanium Dioxide Composite Thin Films for Optical Application. <i>Materials</i> , 2020, 13, 3014.	2.9	4
13	Preparation and Characterization of an Electrospun PLA-Cyclodextrins Composite for Simultaneous High-Efficiency PM and VOC Removal. <i>Journal of Composites Science</i> , 2020, 4, 79.	3.0	15
14	Multifunctional Lightweight Mortars for Indoor Applications to Improve Comfort and Health of Occupants: Thermal Properties and Photocatalytic Efficiency. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	8
15	Electrodes criticality: the impact of CRMs in the leachate electrochemical oxidation. <i>Manufacturing Review</i> , 2020, 7, 7.	1.5	2
16	Paving the Way for A Sustainable and Efficient SiO ₂ /TiO ₂ Photocatalytic Composite. <i>Environments - MDPI</i> , 2019, 6, 87.	3.3	13
17	Electroadsorptive Removal of Gaseous Pollutants. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1162.	2.5	2
18	Tailoring Electro/Optical Properties of Transparent Boron-Doped Carbon Nanowalls Grown on Quartz. <i>Materials</i> , 2019, 12, 547.	2.9	15

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19	Compressive Strength and Leaching Behavior of Mortars with Biomass Ash. Recycling, 2018, 3, 46.	5.0	11
20	A Novel Method for the Combined Photocatalytic Activity Determination and Bandgap Estimation. Methods and Protocols, 2018, 1, 22.	2.0	11
21	Indoor Air Quality: A Bibliometric Study. Sustainability, 2018, 10, 3830.	3.2	26
22	Efficiency of landfill leachate treatment in a MBR/UF system combined with NF, with a special focus on phthalates and bisphenol A removal. Waste Management, 2018, 78, 94-103.	7.4	52
23	Preparation and characterization of TiO ₂ /carbon nanowall composite on a transparent substrate. Photonics Letters of Poland, 2018, 10, 54.	0.4	4
24	Fate and significance of phthalates and bisphenol A in liquid by-products generated during municipal solid waste mechanical-biological pre-treatment and disposal. Waste Management, 2017, 64, 28-38.	7.4	33
25	Appraisal of a hybrid air cleaning process. Environmental Science and Pollution Research, 2017, 24, 12638-12645.	5.3	14
26	Non-Destructive Testing for the In Situ Assessment of the Ionic Flux in Cementitious Materials. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012108.	0.6	0
27	Influence of Binders and Lightweight Aggregates on the Properties of Cementitious Mortars: From Traditional Requirements to Indoor Air Quality Improvement. Materials, 2017, 10, 978.	2.9	38
28	Enhanced Adsorption of Organic Compounds over an Activated Carbon Cloth by an External-Applied Electric Field. Environments - MDPI, 2017, 4, 33.	3.3	5
29	A modern solid waste management strategy – the generation of new by-products. Waste Management, 2016, 49, 516-529.	7.4	37