

Siara Silvestri

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

996
citations

393982

19
h-index

454577

30
g-index

46
all docs

46
docs citations

46
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnAl ₂ O ₄ supported on lychee-biochar applied to ibuprofen photodegradation. Materials Research Bulletin, 2022, 145, 111530.	2.7	24
2	Sanitary sewage disinfection with ultraviolet radiation and ultrasound. International Journal of Environmental Science and Technology, 2022, 19, 11531-11538.	1.8	3
3	Biochar derived from yerba-mate (<i>Ilex paraguariensis</i>) as an alternative TiO ₂ support for enhancement of photocatalytic activity toward Rhodamine-B degradation in water. Chemical Engineering Communications, 2022, 209, 1334-1347.	1.5	7
4	Supported porphyrins for the photocatalytic degradation of organic contaminants in water: a review. Environmental Chemistry Letters, 2022, 20, 731-771.	8.3	25
5	A review of the occurrence, disposal, determination, toxicity and remediation technologies of the tetracycline antibiotic. Chemical Engineering Research and Design, 2022, 160, 25-40.	2.7	86
6	Preparation of a new green composite based on chitin biochar and ZnFe ₂ O ₄ for photo-Fenton degradation of Rhodamine B. Journal of Alloys and Compounds, 2022, 901, 163758.	2.8	32
7	A novel tin ferrite/polymer composite use in photo-Fenton reactions. International Journal of Environmental Science and Technology, 2021, 18, 1537-1548.	1.8	17
8	Toxicity of acrylamide after degradation by conjugated (UV/H ₂ O ₂) photolysis in microalgae. Environmental Science and Pollution Research, 2021, 28, 38085-38093.	2.7	4
9	Wastewater containing emerging contaminants treated by residues from the brewing industry based on biochar as a new CuFe ₂ O ₄ / biochar photocatalyst. Chemical Engineering Research and Design, 2021, 150, 497-509.	2.7	51
10	Degradation of ramipril by residues from the brewing industry: A new carbon-based photocatalyst compound. Chemosphere, 2021, 281, 130987.	4.2	16
11	Preparation of TiO ₂ supported on MDF biochar for simultaneous removal of methylene blue by adsorption and photocatalysis. Journal of Chemical Technology and Biotechnology, 2020, 95, 2723-2729.	1.6	44
12	Reactive oxygen species-induced heterogeneous photocatalytic degradation of organic pollutant Rhodamine B by copper and zinc aluminate spinels. Journal of Chemical Technology and Biotechnology, 2020, 95, 791-797.	1.6	33
13	Polypyrrole-TiO ₂ composite for removal of 4-chlorophenol and diclofenac. Reactive and Functional Polymers, 2020, 146, 104401.	2.0	33
14	Relationship of the physicochemical properties of novel ZnO/biochar composites to their efficiencies in the degradation of sulfamethoxazole and methyl orange. Science of the Total Environment, 2020, 748, 141381.	3.9	62
15	New composite of pecan nutshells biochar-ZnO for sequential removal of acid red 97 by adsorption and photocatalysis. Biomass and Bioenergy, 2020, 140, 105648.	2.9	57
16	Conversion of spent coffee grounds to biochar as promising TiO ₂ support for effective degradation of diclofenac in water. Applied Organometallic Chemistry, 2020, 34, e6001.	1.7	26
17	Investigation of the reaction pathway for degradation of emerging contaminant in water by photo-Fenton oxidation using fly ash as low-cost raw catalyst. International Journal of Environmental Research, 2020, 14, 427-438.	1.1	20
18	Application of a novel rGO-CuFeS ₂ composite catalyst conjugated to microwave irradiation for ultra-fast real textile wastewater treatment. Journal of Water Process Engineering, 2020, 36, 101397.	2.6	20

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19	Improved catalytic activity of EDTA-modified BiFeO ₃ powders for remarkable degradation of procion red by heterogeneous photo-Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103853.	3.3	17
20	Biological degradation coupled to photocatalysis by ZnO/polypyrrole composite for the treatment of real textile wastewater. <i>Journal of Water Process Engineering</i> , 2020, 35, 101230.	2.6	66
21	New insights into the mechanism of heterogeneous activation of nano-magnetite by microwave irradiation for use as Fenton catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103787.	3.3	26
22	Avaliação dos compostos CuFe ₂ O ₄ /Biochar e ZnFe ₂ O ₄ /Biochar na degradação de rodamina B via processo foto-Fenton. , 2020, , .		0
23	Improved Photocatalytic Performance for Rhodamine B Degradation by Porous Zn ₂ SnO ₄ Prepared with Carbon Black as a Pore-Forming Agent. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	2
24	TiO ₂ supported on <i>Salvinia molesta</i> biochar for heterogeneous photocatalytic degradation of Acid Orange 7 dye. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102879.	3.3	69
25	TiO ₂ nanoparticles coated with deep eutectic solvents: characterization and effect on photodegradation of organic dyes. <i>New Journal of Chemistry</i> , 2019, 43, 1415-1423.	1.4	26
26	Degradation of methylene blue using Zn ₂ SnO ₄ catalysts prepared with pore-forming agents. <i>Materials Research Bulletin</i> , 2019, 117, 56-62.	2.7	21
27	Photocatalytic properties of Zn ₂ SnO ₄ powders prepared by different modified hydrothermal routes. <i>Research on Chemical Intermediates</i> , 2019, 45, 4299-4313.	1.3	4
28	Synthesis of PPy-ZnO composite used as photocatalyst for the degradation of diclofenac under simulated solar irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 261-269.	2.0	65
29	Effect of thermal treatment on the catalytic activity of a Fe-rich bentonite for the photo-Fenton reaction. <i>Ceramica</i> , 2019, 65, 147-152.	0.3	7
30	Preparation of delafossite-type CuFeO ₂ powders by conventional and microwave-assisted hydrothermal routes for use as photo-Fenton catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102954.	3.3	24
31	Photocatalytic Efficiency of TiO ₂ Supported on Raw Red Clay Disks to Discolour Reactive Red 141. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	13
32	Preparation of Highly Efficient CoFe ₂ O ₄ /Zn ₂ SnO ₄ Composite Photocatalyst for the Degradation of Rhodamine B Dye from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	9
33	A Novel application of Cu ₂ FeSnS ₄ particles prepared by solvothermal route as solar photo-Fenton catalyst. <i>Materials Letters</i> , 2018, 228, 160-163.	1.3	11
34	Preparation and characterization of Fe ₂ O ₃ /TiO ₂ /clay plates and their use as photocatalysts. <i>Ceramics International</i> , 2017, 43, 14057-14062.	2.3	37
35	Doped and undoped anatase-based plates obtained from paper templates for photocatalytic oxidation of NO. <i>Ceramics International</i> , 2016, 42, 12074-12083.	2.3	10
36	PHOTOCATALYTIC EFFICIENCY OF TiO ₂ IN BIOTEMPLATES FORM IN THE DECOLORATION OF ORGANIC DYE AND INHIBITION OF E. COLI GROWTH. <i>Journal of Advances in Chemistry</i> , 2016, 12, 4247-4255.	0.1	2

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37	Synthesis of biomorphic paper-derived anatase. Materials Letters, 2015, 141, 275-279.	1.3	6
38	Optical Properties of the MoO ₃ -TiO ₂ Particulate System and Its Use as a Ceramic Pigment. Particulate Science and Technology, 2013, 31, 466-473.	1.1	9
39	Optical and morphological properties of Ce-doped TiO ₂ MoO ₃ ceramic matrix. Ceramics International, 2012, 38, 847-850.	2.3	10
40	TiO ₂ SUPORTADO EM VIDRO COMO FOTOCATALISADOR PARA DEGRADAÇÃO DE LARANJADO DE METILA. , 0, , 135-144.		0
41	DEGRADAÇÃO DE CORANTES ALIMENTÍCIOS UTILIZANDO LAFeO ₃ COMO CATALISADOR EM REAÇÃO FOTO-FENTON SOLAR. , 0, , 272-280.		0