Maria Jose Sampaio

List of Publications by Year in descending order

41 papers	1,938 citations	236925 25 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	2529 citing authors

#	Article	IF	Citations
1	Activated carbons treated with sulphuric acid: Catalysts for catalytic wet peroxide oxidation. Catalysis Today, 2010, 151, 153-158.	4.4	125
2	Metal-free g-C3N4 photocatalysis of organic micropollutants in urban wastewater under visible light. Applied Catalysis B: Environmental, 2019, 248, 184-192.	20.2	124
3	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. Chemical Engineering Journal, 2019, 355, 974-985.	12.7	124
4	Ag-loaded ZnO materials for photocatalytic water treatment. Chemical Engineering Journal, 2017, 318, 95-102.	12.7	105
5	Carbon nanotubeâ€“TiO2 thin films for photocatalytic applications. Catalysis Today, 2011, 161, 91-96.	4.4	93
6	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO2 catalysts. Applied Catalysis B: Environmental, 2015, 178, 82-90.	20.2	93
7	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. Science of the Total Environment, 2021, 796, 148914.	8.0	93
8	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. Catalysis Today, 2013, 209, 108-115.	4.4	88
9	Metal-free carbon nitride photocatalysis with in situ hydrogen peroxide generation for the degradation of aromatic compounds. Applied Catalysis B: Environmental, 2019, 252, 128-137.	20.2	85
10	Graphitic carbon nitride nanosheets as highly efficient photocatalysts for phenol degradation under high-power visible LED irradiation. Materials Research Bulletin, 2018, 100, 322-332.	5.2	75
11	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. Applied Catalysis B: Environmental, 2011, 106, 390-397.	20.2	73
12	Single-atom Ir and Ru anchored on graphitic carbon nitride for efficient and stable electrocatalytic/photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2022, 310, 121318.	20.2	72
13	Carbon-based TiO2 materials for the degradation of Microcystin-LA. Applied Catalysis B: Environmental, 2015, 170-171, 74-82.	20.2	66
14	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. Journal of Catalysis, 2014, 316, 182-190.	6.2	65
15	Photocatalytic activity of TiO2-coated glass raschig rings on the degradation of phenolic derivatives under simulated solar light irradiation. Chemical Engineering Journal, 2013, 224, 32-38.	12.7	61
16	Solar photocatalytic degradation of parabens using UiO-66-NH2. Separation and Purification Technology, 2022, 286, 120467.	7.9	58
17	Photocatalytic performance of Au/ZnO nanocatalysts for hydrogen production from ethanol. Applied Catalysis A: General, 2016, 518, 198-205.	4.3	50
18	Recent Strategies for Hydrogen Peroxide Production by Metal-Free Carbon Nitride Photocatalysts. Catalysts, 2019, 9, 990.	3.5	50

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19	Iridiumâ€“Iron Diatomic Active Sites for Efficient Bifunctional Oxygen Electrocatalysis. ACS Catalysis, 2022, 12, 9397-9409.	11.2	47
20	Photocatalytic synthesis of vanillin using N-doped carbon nanotubes/ZnO catalysts under UV-LED irradiation. Applied Catalysis A: General, 2018, 551, 71-78.	4.3	44
21	Magnetically recoverable Fe3O4/g-C3N4 composite for photocatalytic production of benzaldehyde under UV-LED radiation. Catalysis Today, 2019, 328, 293-299.	4.4	43
22	Nanodiamondâ€“TiO₂ composites for photocatalytic degradation of microcystin-LA in aqueous solutions under simulated solar light. RSC Advances, 2015, 5, 58363-58370.	3.6	39
23	Efficient removal of parabens from real water matrices by a metal-free carbon nitride photocatalyst. Science of the Total Environment, 2020, 716, 135346.	8.0	37
24	Carbon-nanotube/TiO2 materials synthesized by a one-pot oxidation/hydrothermal route for the photocatalytic production of hydrogen from biomass derivatives. Materials Science in Semiconductor Processing, 2020, 115, 105098.	4.0	28
25	Visible-light-induced self-cleaning functional fabrics using graphene oxide/carbon nitride materials. Applied Surface Science, 2019, 497, 143757.	6.1	27
26	Evaluation of solâ€“gel TiO 2 photocatalysts modified with carbon or boron compounds and crystallized in nitrogen or air atmospheres. Chemical Engineering Journal, 2015, 277, 11-20.	12.7	26
27	Photo-Fenton degradation assisted by in situ generation of hydrogen peroxide using a carbon nitride photocatalyst. Journal of Water Process Engineering, 2020, 37, 101467.	5.6	21
28	Tailoring the properties of immobilized titanium dioxide/carbon nanotube composites for photocatalytic water treatment. Journal of Environmental Chemical Engineering, 2013, 1, 945-953.	6.7	20
29	Synthesis of selected aromatic aldehydes under UV-LED irradiation over a hybrid photocatalyst of carbon nanofibers and zinc oxide. Catalysis Today, 2019, 328, 286-292.	4.4	16
30	Selective Production of Benzaldehyde Using Metalâ€Free Reduced Graphene Oxide/Carbon Nitride Hybrid Photocatalysts. ChemistrySelect, 2018, 3, 8070-8081.	1.5	14
31	Kinetic modelling for the photocatalytic degradation of phenol by using <scp>TiO₂</scp>â€coated glass raschig rings under simulated solar light. Journal of Chemical Technology and Biotechnology, 2016, 91, 346-352.	3.2	13
32	Outstanding response of carbon nitride photocatalysts for selective synthesis of aldehydes under UV-LED irradiation. Catalysis Today, 2020, 357, 32-38.	4.4	12
33	Aqueous solution photocatalytic synthesis of p-anisaldehyde by using graphite-like carbon nitride photocatalysts obtained via the hard-templating route. RSC Advances, 2020, 10, 19431-19442.	3.6	12
34	Sustainable production of value-added chemicals and fuels by using a citric acid-modified carbon nitride optical semiconductor. Applied Catalysis A: General, 2021, 609, 117912.	4.3	10
35	Light-driven oxygen evolution from water oxidation with immobilised TiO2 engineered for high performance. Scientific Reports, 2021, 11, 21306.	3.3	8
36	Efficiency and stability of metal-free carbon nitride in the photocatalytic ozonation of oxamic acid under visible light. Journal of Environmental Chemical Engineering, 2020, 8, 104172.	6.7	7

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37	Interactions of pharmaceutical compounds in water matrices under visible-driven photocatalysis. Journal of Environmental Chemical Engineering, 2021, 9, 104747.	6.7	6
38	Role of TiO2-based photocatalysts on the synthesis of the pharmaceutical precursor benzhydrol by UVA-LED radiation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112350.	3.9	4
39	Synthesis of Vitamin B3 through a Heterogeneous Photocatalytic Approach Using Metal-Free Carbon Nitride-Based Catalysts. Molecules, 2022, 27, 1295.	3.8	3
40	Sustainable Bleaching Process of Raw Cotton by TiO2 Light-Activated Nanoparticles. U Porto Journal of Engineering, 2020, 6, 11-21.	0.4	1
41	Synthesis and performance of a composite photocatalyst based on polyester-supported carbon nitride nanosheets for selective oxidation of anisyl alcohol. Surfaces and Interfaces, 2022, 30, 101938.	3.0	0