

# Athanasia Petala

## List of Publications by Year in descending order

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37  
papers

1,349  
citations

331670

21  
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330143

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all docs

37  
docs citations

37  
times ranked

1834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Sawdust Derived Biochar as a Novel 3D Particle Electrode for Micropollutants Degradation. Water (Switzerland), 2022, 14, 357.	2.7	8
2	Sulfamethoxazole degradation by the CuOx/persulfate system. Catalysis Today, 2021, 361, 139-145.	4.4	32
3	Carbon Dioxide Hydrogenation over Supported Ni and Ru Catalysts. Catalysis Letters, 2021, 151, 888-900.	2.6	15
4	Heterogeneous activation of persulfate by lanthanum strontium cobaltite for sulfamethoxazole degradation. Catalysis Today, 2021, 361, 130-138.	4.4	24
5	Impact of water matrix on the photocatalytic removal of pharmaceuticals by visible light active materials. Current Opinion in Green and Sustainable Chemistry, 2021, 28, 100445.	5.9	12
6	Photocatalytic Degradation of Valsartan by MoS <sub>2</sub> /BiOCl Heterojunctions. Catalysts, 2021, 11, 650.	3.5	8
7	Support Effects on the Activity of Ni Catalysts for the Propane Steam Reforming Reaction. Nanomaterials, 2021, 11, 1948.	4.1	9
8	High-efficiency quasi-solid state dye-sensitized solar cells using a polymer blend electrolyte with $\text{e}^-$ polymer-in-salt $\text{e}^-$ conduction characteristics. Solar Energy, 2021, 222, 35-47.	6.1	22
9	Solar light induced photocatalytic removal of sulfamethoxazole from water and wastewater using BiOCl photocatalyst. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 963-972.	1.7	10
10	Recent Trends in Pharmaceuticals Removal from Water Using Electrochemical Oxidation Processes. Environments - MDPI, 2021, 8, 85.	3.3	22
11	Carbocatalytic activation of persulfate for the removal of drug diclofenac from aqueous matrices. Catalysis Today, 2020, 355, 937-944.	4.4	24
12	Effect of the nature of the support, operating and pretreatment conditions on the catalytic performance of supported Ni catalysts for the selective methanation of CO. Catalysis Today, 2020, 355, 832-843.	4.4	17
13	Photocatalytic hydrogen production over mixed Cd-Zn sulfide catalysts promoted with nickel or nickel phosphide. Catalysis Today, 2020, 355, 851-859.	4.4	13
14	Copper phosphide promoted BiVO <sub>4</sub> photocatalysts for the degradation of sulfamethoxazole in aqueous media. Journal of Environmental Chemical Engineering, 2020, 8, 104340.	6.7	21
15	Solar light induced photocatalytic degradation of methylparaben by $\text{C}_3\text{N}_4$ in different water matrices. Journal of Chemical Technology and Biotechnology, 2020, 95, 2811-2821.	3.2	11
16	Lanthanum Nickel Oxide: An Effective Heterogeneous Activator of Sodium Persulfate for Antibiotics Elimination. Catalysts, 2020, 10, 1373.	3.5	11
17	Persulfate activation by modified red mud for the oxidation of antibiotic sulfamethoxazole in water. Journal of Environmental Management, 2020, 270, 110820.	7.8	45
18	Photocatalytic Evaluation of Ag <sub>2</sub> CO <sub>3</sub> for Ethylparaben Degradation in Different Water Matrices. Water (Switzerland), 2020, 12, 1180.	2.7	19

#	ARTICLE	IF	CITATIONS
19	Nanoscale Mn <sub>3</sub> O <sub>4</sub> Thin Film Photoelectrodes Fabricated by a Vapor-Phase Route. ACS Applied Energy Materials, 2019, 2, 8294-8302.	5.1	6
20	Photocatalytic performance of Ag <sub>2</sub> O towards sulfamethoxazole degradation in environmental samples. Journal of Environmental Chemical Engineering, 2019, 7, 103177.	6.7	21
21	Controlled Surface Modification of ZnO Nanostructures with Amorphous TiO <sub>2</sub> for Photoelectrochemical Water Splitting. Advanced Sustainable Systems, 2019, 3, 1900046.	5.3	15
22	Copper phosphide and persulfate salt: A novel catalytic system for the degradation of aqueous phase micro-contaminants. Applied Catalysis B: Environmental, 2019, 244, 178-187.	20.2	88
23	Immobilized Ag <sub>3</sub> PO <sub>4</sub> photocatalyst for micro-pollutants removal in a continuous flow annular photoreactor. Catalysis Today, 2019, 328, 223-229.	4.4	31
24	Synthesis and characterization of CoOx/BiVO <sub>4</sub> photocatalysts for the degradation of propyl paraben. Journal of Hazardous Materials, 2019, 372, 52-60.	12.4	63
25	Evaluation of the limiting factors affecting large-sized, flexible, platinum-free dye-sensitized solar cells performance: a combined experimental and equivalent circuit analysis. Journal of Materials Science: Materials in Electronics, 2018, 29, 9621-9634.	2.2	11
26	Preparation of polyvinylpyrrolidone-based polymer electrolytes and their application by in-situ gelation in dye-sensitized solar cells. Electrochimica Acta, 2018, 271, 632-640.	5.2	32
27	Solar photocatalytic abatement of sulfamethoxazole over Ag <sub>3</sub> PO <sub>4</sub> /WO <sub>3</sub> composites. Applied Catalysis B: Environmental, 2018, 231, 73-81.	20.2	76
28	Methanation of CO <sub>2</sub> over alkali-promoted Ru/TiO <sub>2</sub> catalysts: I. Effect of alkali additives on catalytic activity and selectivity. Applied Catalysis B: Environmental, 2018, 224, 919-927.	20.2	109
29	Utilization of raw red mud as a source of iron activating the persulfate oxidation of paraben. Chemical Engineering Research and Design, 2018, 119, 311-319.	5.6	26
30	Solar light-induced degradation of ethyl paraben with CuO x /BiVO <sub>4</sub> : Statistical evaluation of operating factors and transformation by-products. Catalysis Today, 2017, 280, 122-131.	4.4	29
31	Fast photocatalytic degradation of bisphenol A by Ag <sub>3</sub> PO <sub>4</sub> /TiO <sub>2</sub> composites under solar radiation. Catalysis Today, 2017, 280, 99-107.	4.4	68
32	Solar photocatalytic degradation of bisphenol A with CuO x /BiVO <sub>4</sub> : Insights into the unexpectedly favorable effect of bicarbonates. Chemical Engineering Journal, 2017, 318, 39-49.	12.7	112
33	Photodegradation of ethyl paraben using simulated solar radiation and Ag <sub>3</sub> PO <sub>4</sub> photocatalyst. Journal of Hazardous Materials, 2017, 323, 478-488.	12.4	66
34	Photocatalytic degradation of bisphenol A over Rh/TiO <sub>2</sub> suspensions in different water matrices. Catalysis Today, 2017, 284, 59-66.	4.4	61
35	Hysteresis phenomena and rate fluctuations under conditions of glycerol photo-reforming reaction over CuOx/TiO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 2015, 178, 201-209.	20.2	62
36	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO <sub>2</sub> catalysts. Water Research, 2015, 81, 157-166.	11.3	102

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of N-doped TiO <sub>2</sub> photocatalysts with tunable response to solar radiation. Applied Surface Science, 2014, 305, 281-291.	6.1	48