

# Athanasia Petala

## List of Publications by Year in descending order

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37  
papers

1,349  
citations

331670

21  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar photocatalytic degradation of bisphenol A with CuO x /BiVO 4 : Insights into the unexpectedly favorable effect of bicarbonates. <i>Chemical Engineering Journal</i> , 2017, 318, 39-49.	12.7	112
2	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. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 919-927.	20.2	109
3	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO <sub>2</sub> catalysts. <i>Water Research</i> , 2015, 81, 157-166.	11.3	102
4	Copper phosphide and persulfate salt: A novel catalytic system for the degradation of aqueous phase micro-contaminants. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 178-187.	20.2	88
5	Solar photocatalytic abatement of sulfamethoxazole over Ag <sub>3</sub> PO <sub>4</sub> /WO <sub>3</sub> composites. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 73-81.	20.2	76
6	Fast photocatalytic degradation of bisphenol A by Ag <sub>3</sub> PO <sub>4</sub> /TiO <sub>2</sub> composites under solar radiation. <i>Catalysis Today</i> , 2017, 280, 99-107.	4.4	68
7	Photodegradation of ethyl paraben using simulated solar radiation and Ag <sub>3</sub> PO <sub>4</sub> photocatalyst. <i>Journal of Hazardous Materials</i> , 2017, 323, 478-488.	12.4	66
8	Synthesis and characterization of CoOx/BiVO <sub>4</sub> photocatalysts for the degradation of propyl paraben. <i>Journal of Hazardous Materials</i> , 2019, 372, 52-60.	12.4	63
9	Hysteresis phenomena and rate fluctuations under conditions of glycerol photo-reforming reaction over CuOx/TiO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 201-209.	20.2	62
10	Photocatalytic degradation of bisphenol A over Rh/TiO <sub>2</sub> suspensions in different water matrices. <i>Catalysis Today</i> , 2017, 284, 59-66.	4.4	61
11	Synthesis and characterization of N-doped TiO <sub>2</sub> photocatalysts with tunable response to solar radiation. <i>Applied Surface Science</i> , 2014, 305, 281-291.	6.1	48
12	Persulfate activation by modified red mud for the oxidation of antibiotic sulfamethoxazole in water. <i>Journal of Environmental Management</i> , 2020, 270, 110820.	7.8	45
13	Preparation of polyvinylpyrrolidone-based polymer electrolytes and their application by in-situ gelation in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2018, 271, 632-640.	5.2	32
14	Sulfamethoxazole degradation by the CuOx/persulfate system. <i>Catalysis Today</i> , 2021, 361, 139-145.	4.4	32
15	Immobilized Ag <sub>3</sub> PO <sub>4</sub> photocatalyst for micro-pollutants removal in a continuous flow annular photoreactor. <i>Catalysis Today</i> , 2019, 328, 223-229.	4.4	31
16	Solar light-induced degradation of ethyl paraben with CuO x /BiVO 4 : Statistical evaluation of operating factors and transformation by-products. <i>Catalysis Today</i> , 2017, 280, 122-131.	4.4	29
17	Utilization of raw red mud as a source of iron activating the persulfate oxidation of paraben. <i>Chemical Engineering Research and Design</i> , 2018, 119, 311-319.	5.6	26
18	Carbocatalytic activation of persulfate for the removal of drug diclofenac from aqueous matrices. <i>Catalysis Today</i> , 2020, 355, 937-944.	4.4	24

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19	Heterogeneous activation of persulfate by lanthanum strontium cobaltite for sulfamethoxazole degradation. <i>Catalysis Today</i> , 2021, 361, 130-138.	4.4	24
20	High-efficiency quasi-solid state dye-sensitized solar cells using a polymer blend electrolyte with $\alpha$ -polymer-in-salt conduction characteristics. <i>Solar Energy</i> , 2021, 222, 35-47.	6.1	22
21	Recent Trends in Pharmaceuticals Removal from Water Using Electrochemical Oxidation Processes. <i>Environments - MDPI</i> , 2021, 8, 85.	3.3	22
22	Photocatalytic performance of Ag <sub>2</sub> O towards sulfamethoxazole degradation in environmental samples. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103177.	6.7	21
23	Copper phosphide promoted BiVO <sub>4</sub> photocatalysts for the degradation of sulfamethoxazole in aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104340.	6.7	21
24	Photocatalytic Evaluation of Ag <sub>2</sub> CO <sub>3</sub> for Ethylparaben Degradation in Different Water Matrices. <i>Water (Switzerland)</i> , 2020, 12, 1180.	2.7	19
25	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. <i>Catalysis Today</i> , 2020, 355, 832-843.	4.4	17
26	Controlled Surface Modification of ZnO Nanostructures with Amorphous TiO <sub>2</sub> for Photoelectrochemical Water Splitting. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900046.	5.3	15
27	Carbon Dioxide Hydrogenation over Supported Ni and Ru Catalysts. <i>Catalysis Letters</i> , 2021, 151, 888-900.	2.6	15
28	Photocatalytic hydrogen production over mixed Cd-Zn sulfide catalysts promoted with nickel or nickel phosphide. <i>Catalysis Today</i> , 2020, 355, 851-859.	4.4	13
29	Impact of water matrix on the photocatalytic removal of pharmaceuticals by visible light active materials. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 28, 100445.	5.9	12
30	Evaluation of the limiting factors affecting large-sized, flexible, platinum-free dye-sensitized solar cells performance: a combined experimental and equivalent circuit analysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9621-9634.	2.2	11
31	Solar light-induced photocatalytic degradation of methylparaben by $\text{g-C}_3\text{N}_4$ in different water matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2811-2821.	3.2	11
32	Lanthanum Nickel Oxide: An Effective Heterogeneous Activator of Sodium Persulfate for Antibiotics Elimination. <i>Catalysts</i> , 2020, 10, 1373.	3.5	11
33	Solar light induced photocatalytic removal of sulfamethoxazole from water and wastewater using BiOCl photocatalyst. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 963-972.	1.7	10
34	Support Effects on the Activity of Ni Catalysts for the Propane Steam Reforming Reaction. <i>Nanomaterials</i> , 2021, 11, 1948.	4.1	9
35	Photocatalytic Degradation of Valsartan by MoS <sub>2</sub> /BiOCl Heterojunctions. <i>Catalysts</i> , 2021, 11, 650.	3.5	8
36	Using Sawdust Derived Biochar as a Novel 3D Particle Electrode for Micropollutants Degradation. <i>Water (Switzerland)</i> , 2022, 14, 357.	2.7	8

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37	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