Konstantinos C Christoforidis

List of Publications by Year
in descending order

53 papers	2,774 citations	159585 30 h-index	197818 49 g-index
53 all docs	53 docs citations	53 times ranked	4258 citing authors

#	Article	IF	Citations
1	g-C₃N₄/Ag₃PO₄ based binary and ternary heterojunction for improved photocatalytic removal of organic pollutants. International Journal of Environmental Analytical Chemistry, 2023, 103, 3011-3026.	3.3	6
2	Two-Dimensional Photocatalysts for Energy and Environmental Applications. Solar, 2022, 2, 305-320.	1.8	1
3	Artificial photosynthesis by carbon nitride-based composite photocatalysts. , 2022, , 215-243.		0
4	A comparative study on modified graphitic carbon nitride: Synthesis, characterization, and applications. , 2021, , 629-670.		2
5	Promoting H2 photoproduction of TiO2-based materials by surface decoration with Pt nanoparticles and SnS2 nanoplatelets. Applied Catalysis B: Environmental, 2020, 277, 119246.	20.2	35
6	TiO2 polymorphs for hydrogen photoproduction. , 2020, , 127-140.		1
7	Photodynamic Therapy: Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy (Small 10/2020). Small, 2020, 16, 2070051.	10.0	2
8	2D materials for solar fuels production. , 2020, , 271-288.		0
9	Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. Small, 2020, 16, e1904619.	10.0	53
10	Photocatalysis for Hydrogen Production and CO₂ Reduction: The Case of Copperâ€Catalysts. ChemCatChem, 2019, 11, 368-382.	3.7	131
11	Photocatalytic Hydrogen Production by Boron Modified TiO₂/Carbon Nitride Heterojunctions. ChemCatChem, 2019, 11, 6408-6416.	3.7	35
12	The Effect of Materials Architecture in TiO₂/MOF Composites on CO₂ Photoreduction and Charge Transfer. Small, 2019, 15, e1805473.	10.0	72
13	MOFâ€Based Heterojunctions: The Effect of Materials Architecture in TiO₂/MOF Composites on CO₂ Photoreduction and Charge Transfer (Small 11/2019). Small, 2019, 15, 1970060.	10.0	3
14	Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. Chemical Engineering Journal, 2019, 359, 1427-1435.	12.7	37
15	Titanium dioxide/carbon nitride nanosheet nanocomposites for gas phase CO2 photoreduction under UV-visible irradiation. Applied Catalysis B: Environmental, 2019, 242, 369-378.	20.2	111
16	Gallic acid mediated oxidation of pentachlorophenol by the Fenton reaction under mild oxidative conditions. Journal of Chemical Technology and Biotechnology, 2018, 93, 1601-1610.	3.2	27
17	Tuning Thermally Treated Graphitic Carbon Nitride for H₂ Evolution and CO₂ Photoreduction: The Effects of Material Properties and Mid-Gap States. ACS Applied Energy Materials, 2018, 1, 6524-6534.	5.1	33
18	Metal-free dual-phase full organic carbon nanotubes/g-C3N4 heteroarchitectures for photocatalytic hydrogen production. Nano Energy, 2018, 50, 468-478.	16.0	133

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19	Halloysite and sepiolite â€“TiO2 nanocomposites: Synthesis characterization and photocatalytic activity in three aquatic wastes. Materials Science in Semiconductor Processing, 2018, 85, 1-8.	4.0	44
20	Photocatalytic Hydrogen Production: A Rift into the Future Energy Supply. ChemCatChem, 2017, 9, 1523-1544.	3.7	396
21	CO 2 capture and photocatalytic reduction using bifunctional TiO 2 /MOF nanocomposites under UVâ€“vis irradiation. Applied Catalysis B: Environmental, 2017, 210, 131-140.	20.2	288
22	Layer-by-Layer Photocatalytic Assembly for Solar Light-Activated Self-Decontaminating Textiles. ACS Applied Materials & Interfaces, 2016, 8, 34438-34445.	8.0	15
23	Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C₃N₄ heteroarchitectures. RSC Advances, 2016, 6, 86617-86626.	3.6	50
24	Axial ligand effect on the catalytic activity of biomimetic Fe-porphyrin catalyst: An experimental and DFT study. Journal of Catalysis, 2016, 344, 768-777.	6.2	20
25	Synthesis and photocatalytic application of visible-light active Î² -Fe 2 O 3 /g-C 3 N 4 hybrid nanocomposites. Applied Catalysis B: Environmental, 2016, 187, 171-180.	20.2	194
26	Photoactivity and charge trapping sites in copper and vanadium doped anatase TiO₂ nano-materials. Catalysis Science and Technology, 2016, 6, 1094-1105.	4.1	46
27	Effect of humic acid on chemical oxidation of organic pollutants by iron(II) and H2O2: A dual mechanism. Journal of Environmental Chemical Engineering, 2015, 3, 2991-2996.	6.7	10
28	Single-Step Synthesis of SnS₂ Nanosheet-Decorated TiO₂ Anatase Nanofibers as Efficient Photocatalysts for the Degradation of Gas-Phase Diethylsulfide. ACS Applied Materials & Interfaces, 2015, 7, 19324-19334.	8.0	105
29	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. Carbon, 2014, 67, 424-433.	10.3	7
30	Three-phase nanocomposites of two nanoclays and TiO2: Synthesis, characterization and photacatalytic activities. Applied Catalysis B: Environmental, 2014, 147, 526-533.	20.2	40
31	Role of TiO2 morphological characteristics in EVOHâ€“TiO2 nanocomposite films: self-degradation and self-cleaning properties. RSC Advances, 2013, 3, 8541.	3.6	10
32	Palygorskiteâ€“TiO2 nanocomposites: Part 2. photocatalytic activities in decomposing air and organic pollutants. Applied Clay Science, 2013, 83-84, 198-202.	5.2	20
33	Halloysiteâ€“TiO2 nanocomposites: Synthesis, characterization and photocatalytic activity. Applied Catalysis B: Environmental, 2013, 132-133, 416-422.	20.2	98
34	Structure and activity of iron-doped TiO₂-anatase nanomaterials for gas-phase toluene photo-oxidation. Catalysis Science and Technology, 2013, 3, 626-634.	4.1	35
35	Innovative insights in a plug flow microreactor foroperandoX-ray studies. Journal of Applied Crystallography, 2013, 46, 1523-1527.	4.5	15
36	A structural and surface approach to size and shape control of sulfur-modified undoped and Fe-doped TiO2 anatase nano-materials. Physical Chemistry Chemical Physics, 2012, 14, 5628.	2.8	14

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37	Ironâ€“sulfur codoped TiO2 anatase nano-materials: UV and sunlight activity for toluene degradation. Applied Catalysis B: Environmental, 2012, 117-118, 310-316.	20.2	44
38	A general mechanism of interaction of carbonates with non-polar S-containing pesticides. Geoderma, 2011, 169, 13-19.	5.1	2
39	Mechanism of catalytic degradation of 2,4,6-trichlorophenol by a Fe-porphyrin catalyst. Applied Catalysis B: Environmental, 2011, 101, 417-424.	20.2	33
40	Mechanism of catalytic decomposition of pentachlorophenol by a highly recyclable heterogeneous SiO2â€“[Fe-porphyrin] catalyst. Journal of Catalysis, 2010, 270, 153-162.	6.2	40
41	Complete dechlorination of pentachlorophenol by a heterogeneous SiO2â€“Feâ€“porphyrin catalyst. Applied Catalysis B: Environmental, 2010, 95, 297-302.	20.2	47
42	The catalytic function of SiO2-immobilized Mn(II)-complexes for alkene epoxidation with H2O2. Journal of Molecular Catalysis A, 2010, 319, 58-65.	4.8	34
43	Hydrocarbon oxidation by homogeneous and heterogeneous non-heme iron (III) catalysts with H2O2. Catalysis Today, 2010, 157, 101-106.	4.4	36
44	Substrate and co-catalyst effects on the local coordination environment of a Feâ€“porphyrin catalyst. Chemical Physics Letters, 2010, 494, 289-294.	2.6	8
45	Effect of Metal Ions on the Indigenous Radicals of Humic Acids: High Field Electron Paramagnetic Resonance Study. Environmental Science & Technology, 2010, 44, 7011-7016.	10.0	26
46	Epoxidation of olefins with H2O2 catalyzed by new symmetrical acetylacetone-based Schiff bases/Mn(II) homogeneous systems: A catalytic and EPR study. Journal of Molecular Catalysis A, 2009, 297, 44-53.	4.8	36
47	Biological studies of new organotin(IV) complexes of thioamide ligands. European Journal of Medicinal Chemistry, 2008, 43, 327-335.	5.5	124
48	Semiquinone in Molecularly Imprinted Hybrid Amino Acidâ˜SiO₂Biomimetic Materials. An Experimental and Theoretical Study. Journal of Physical Chemistry C, 2008, 112, 12841-12852.	3.1	17
49	Structure-Catalytic Function Relationship of SiO₂-Immobilized Mononuclear Cu Complexes:â€‰ An EPR Study. Langmuir, 2007, 23, 10407-10418.	3.5	65
50	High-Field 285 GHz Electron Paramagnetic Resonance Study of Indigenous Radicals of Humic Acids. Journal of Physical Chemistry A, 2007, 111, 11860-11866.	2.5	54
51	EPR study of a novel [Feâ€“porphyrin] catalyst. Molecular Physics, 2007, 105, 2185-2194.	1.7	26
52	Effects of Dissolved Carboxylates and Carbonates on the Adsorption Properties of Thiuram Disulfate Pesticides. Environmental Science & Technology, 2006, 40, 221-227.	10.0	21
53	Influence of Pb(II) on the Radical Properties of Humic Substances and Model Compounds. Journal of Physical Chemistry A, 2005, 109, 2223-2232.	2.5	72