

Konstantinos C Christoforidis

List of Publications by Year in descending order

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53
papers

2,774
citations

159358

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197535

49
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53
all docs

53
docs citations

53
times ranked

4258
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Photocatalytic Hydrogen Production: A Rift into the Future Energy Supply. <i>ChemCatChem</i> , 2017, 9, 1523-1544. | 1.8 | 396 |
| 2 | CO ₂ capture and photocatalytic reduction using bifunctional TiO ₂ /MOF nanocomposites under UV-vis irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 131-140. | 10.8 | 288 |
| 3 | Synthesis and photocatalytic application of visible-light active Fe^{2+} -Fe ₂ O ₃ /g-C ₃ N ₄ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 171-180. | 10.8 | 194 |
| 4 | Metal-free dual-phase full organic carbon nanotubes/g-C ₃ N ₄ heteroarchitectures for photocatalytic hydrogen production. <i>Nano Energy</i> , 2018, 50, 468-478. | 8.2 | 133 |
| 5 | Photocatalysis for Hydrogen Production and CO ₂ Reduction: The Case of Copper Catalysts. <i>ChemCatChem</i> , 2019, 11, 368-382. | 1.8 | 131 |
| 6 | Biological studies of new organotin(IV) complexes of thioamide ligands. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 327-335. | 2.6 | 124 |
| 7 | Titanium dioxide/carbon nitride nanosheet nanocomposites for gas phase CO ₂ photoreduction under UV-visible irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 369-378. | 10.8 | 111 |
| 8 | Single-Step Synthesis of SnS ₂ Nanosheet-Decorated TiO ₂ Anatase Nanofibers as Efficient Photocatalysts for the Degradation of Gas-Phase Diethylsulfide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19324-19334. | 4.0 | 105 |
| 9 | Halloysite-TiO ₂ nanocomposites: Synthesis, characterization and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 416-422. | 10.8 | 98 |
| 10 | Influence of Pb(II) on the Radical Properties of Humic Substances and Model Compounds. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2223-2232. | 1.1 | 72 |
| 11 | The Effect of Materials Architecture in TiO ₂ /MOF Composites on CO ₂ Photoreduction and Charge Transfer. <i>Small</i> , 2019, 15, e1805473. | 5.2 | 72 |
| 12 | Structure-Catalytic Function Relationship of SiO ₂ -Immobilized Mononuclear Cu Complexes: An EPR Study. <i>Langmuir</i> , 2007, 23, 10407-10418. | 1.6 | 65 |
| 13 | High-Field 285 GHz Electron Paramagnetic Resonance Study of Indigenous Radicals of Humic Acids. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11860-11866. | 1.1 | 54 |
| 14 | Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. <i>Small</i> , 2020, 16, e1904619. | 5.2 | 53 |
| 15 | Solar and visible light photocatalytic enhancement of halloysite nanotubes/g-C ₃ N ₄ heteroarchitectures. <i>RSC Advances</i> , 2016, 6, 86617-86626. | 1.7 | 50 |
| 16 | Complete dechlorination of pentachlorophenol by a heterogeneous SiO ₂ -Fe porphyrin catalyst. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 297-302. | 10.8 | 47 |
| 17 | Photoactivity and charge trapping sites in copper and vanadium doped anatase TiO ₂ nano-materials. <i>Catalysis Science and Technology</i> , 2016, 6, 1094-1105. | 2.1 | 46 |
| 18 | Iron-sulfur codoped TiO ₂ anatase nano-materials: UV and sunlight activity for toluene degradation. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 310-316. | 10.8 | 44 |

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|----|---|------|-----------|
| 19 | Halloysite and sepiolite TiO_2 nanocomposites: Synthesis characterization and photocatalytic activity in three aquatic wastes. <i>Materials Science in Semiconductor Processing</i> , 2018, 85, 1-8. | 1.9 | 44 |
| 20 | Mechanism of catalytic decomposition of pentachlorophenol by a highly recyclable heterogeneous SiO_2 -[Fe-porphyrin] catalyst. <i>Journal of Catalysis</i> , 2010, 270, 153-162. | 3.1 | 40 |
| 21 | Three-phase nanocomposites of two nanoclays and TiO_2 : Synthesis, characterization and photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 526-533. | 10.8 | 40 |
| 22 | Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. <i>Chemical Engineering Journal</i> , 2019, 359, 1427-1435. | 6.6 | 37 |
| 23 | Epoxidation of olefins with H_2O_2 catalyzed by new symmetrical acetylacetonate-based Schiff bases/Mn(II) homogeneous systems: A catalytic and EPR study. <i>Journal of Molecular Catalysis A</i> , 2009, 297, 44-53. | 4.8 | 36 |
| 24 | Hydrocarbon oxidation by homogeneous and heterogeneous non-heme iron (III) catalysts with H_2O_2 . <i>Catalysis Today</i> , 2010, 157, 101-106. | 2.2 | 36 |
| 25 | Structure and activity of iron-doped TiO_2 -anatase nanomaterials for gas-phase toluene photo-oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 626-634. | 2.1 | 35 |
| 26 | Photocatalytic Hydrogen Production by Boron Modified TiO_2 /Carbon Nitride Heterojunctions. <i>ChemCatChem</i> , 2019, 11, 6408-6416. | 1.8 | 35 |
| 27 | Promoting H_2 photoproduction of TiO_2 -based materials by surface decoration with Pt nanoparticles and SnS_2 nanoplatelets. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119246. | 10.8 | 35 |
| 28 | The catalytic function of SiO_2 -immobilized Mn(II)-complexes for alkene epoxidation with H_2O_2 . <i>Journal of Molecular Catalysis A</i> , 2010, 319, 58-65. | 4.8 | 34 |
| 29 | Mechanism of catalytic degradation of 2,4,6-trichlorophenol by a Fe-porphyrin catalyst. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 417-424. | 10.8 | 33 |
| 30 | Tuning Thermally Treated Graphitic Carbon Nitride for H_2 Evolution and CO_2 Photoreduction: The Effects of Material Properties and Mid-Gap States. <i>ACS Applied Energy Materials</i> , 2018, 1, 6524-6534. | 2.5 | 33 |
| 31 | Gallic acid mediated oxidation of pentachlorophenol by the Fenton reaction under mild oxidative conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1601-1610. | 1.6 | 27 |
| 32 | EPR study of a novel [Fe-porphyrin] catalyst. <i>Molecular Physics</i> , 2007, 105, 2185-2194. | 0.8 | 26 |
| 33 | Effect of Metal Ions on the Indigenous Radicals of Humic Acids: High Field Electron Paramagnetic Resonance Study. <i>Environmental Science & Technology</i> , 2010, 44, 7011-7016. | 4.6 | 26 |
| 34 | Effects of Dissolved Carboxylates and Carbonates on the Adsorption Properties of Thiuram Disulfate Pesticides. <i>Environmental Science & Technology</i> , 2006, 40, 221-227. | 4.6 | 21 |
| 35 | Palygorskite- TiO_2 nanocomposites: Part 2. photocatalytic activities in decomposing air and organic pollutants. <i>Applied Clay Science</i> , 2013, 83-84, 198-202. | 2.6 | 20 |
| 36 | Axial ligand effect on the catalytic activity of biomimetic Fe-porphyrin catalyst: An experimental and DFT study. <i>Journal of Catalysis</i> , 2016, 344, 768-777. | 3.1 | 20 |

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|----|--|-----|-----------|
| 37 | Semiquinone in Molecularly Imprinted Hybrid Amino Acid-SiO ₂ Biomimetic Materials. An Experimental and Theoretical Study. Journal of Physical Chemistry C, 2008, 112, 12841-12852. | 1.5 | 17 |
| 38 | Innovative insights in a plug flow microreactor for <i>operando</i> X-ray studies. Journal of Applied Crystallography, 2013, 46, 1523-1527. | 1.9 | 15 |
| 39 | Layer-by-Layer Photocatalytic Assembly for Solar Light-Activated Self-Decontaminating Textiles. ACS Applied Materials & Interfaces, 2016, 8, 34438-34445. | 4.0 | 15 |
| 40 | A structural and surface approach to size and shape control of sulfur-modified undoped and Fe-doped TiO ₂ anatase nano-materials. Physical Chemistry Chemical Physics, 2012, 14, 5628. | 1.3 | 14 |
| 41 | Role of TiO ₂ morphological characteristics in EVOH-TiO ₂ nanocomposite films: self-degradation and self-cleaning properties. RSC Advances, 2013, 3, 8541. | 1.7 | 10 |
| 42 | Effect of humic acid on chemical oxidation of organic pollutants by iron(II) and H ₂ O ₂ : A dual mechanism. Journal of Environmental Chemical Engineering, 2015, 3, 2991-2996. | 3.3 | 10 |
| 43 | Substrate and co-catalyst effects on the local coordination environment of a Fe-porphyrin catalyst. Chemical Physics Letters, 2010, 494, 289-294. | 1.2 | 8 |
| 44 | Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. Carbon, 2014, 67, 424-433. | 5.4 | 7 |
| 45 | g-C ₃ N ₄ /Ag ₃ PO ₄ based binary and ternary heterojunction for improved photocatalytic removal of organic pollutants. International Journal of Environmental Analytical Chemistry, 2023, 103, 3011-3026. | 1.8 | 6 |
| 46 | MOF-Based Heterojunctions: The Effect of Materials Architecture in TiO ₂ /MOF Composites on CO ₂ Photoreduction and Charge Transfer (Small 11/2019). Small, 2019, 15, 1970060. | 5.2 | 3 |
| 47 | A general mechanism of interaction of carbonates with non-polar S-containing pesticides. Geoderma, 2011, 169, 13-19. | 2.3 | 2 |
| 48 | 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. | 5.2 | 2 |
| 49 | A comparative study on modified graphitic carbon nitride: Synthesis, characterization, and applications. , 2021, , 629-670. | | 2 |
| 50 | TiO ₂ polymorphs for hydrogen photoproduction. , 2020, , 127-140. | | 1 |
| 51 | Two-Dimensional Photocatalysts for Energy and Environmental Applications. Solar, 2022, 2, 305-320. | 0.9 | 1 |
| 52 | 2D materials for solar fuels production. , 2020, , 271-288. | | 0 |
| 53 | Artificial photosynthesis by carbon nitride-based composite photocatalysts. , 2022, , 215-243. | | 0 |