

Ioannis T Papadas

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,347
citations

361296

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345118

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42
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42
docs citations

42
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective capture of hexavalent chromium from an anion-exchange column of metal organic resin- α -alginate composite. <i>Chemical Science</i> , 2016, 7, 2427-2436.	3.7	158
2	Visible-Light Photocatalytic H ₂ Production Activity of $\text{Ni}(\text{OH})_2$ -Modified CdS Mesoporous Nanoheterojunction Networks. <i>ACS Catalysis</i> , 2018, 8, 8726-8738.	5.5	102
3	Rapid, green and inexpensive synthesis of high quality UiO-66 amino-functionalized materials with exceptional capability for removal of hexavalent chromium from industrial waste. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 635-644.	3.0	97
4	A high surface area ordered mesoporous BiFeO_3 semiconductor with efficient water oxidation activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1587-1593.	5.2	87
5	The effect of hole transporting layer in charge accumulation properties of p-i-n perovskite solar cells. <i>APL Materials</i> , 2017, 5, .	2.2	80
6	Low-Temperature Combustion Synthesis of a Spinel NiCo_2O_4 Hole Transport Layer for Perovskite Photovoltaics. <i>Advanced Science</i> , 2018, 5, 1701029.	5.6	78
7	Alkaline Earth Metal Ion/Dihydroxy-Terephthalate MOFs: Structural Diversity and Unusual Luminescent Properties. <i>Inorganic Chemistry</i> , 2015, 54, 5813-5826.	1.9	71
8	Controllable Synthesis of Mesoporous Iron Oxide Nanoparticle Assemblies for Chemoselective Catalytic Reduction of Nitroarenes. <i>Chemistry - A European Journal</i> , 2016, 22, 4600-4607.	1.7	60
9	Kinetics of pure cultures of hydrogen-oxidizing denitrifying bacteria and modeling of the interactions among them in mixed cultures. <i>Biotechnology and Bioengineering</i> , 2006, 95, 513-525.	1.7	51
10	Mesoporous assembled structures of Cu_2O and TiO_2 nanoparticles for highly efficient photocatalytic hydrogen generation from water. <i>RSC Advances</i> , 2016, 6, 54848-54855.	1.7	42
11	Templated assembly of BiFeO_3 nanocrystals into 3D mesoporous networks for catalytic applications. <i>Nanoscale</i> , 2015, 7, 5737-5743.	2.8	41
12	Employing surfactant-assisted hydrothermal synthesis to control CuGaO_2 nanoparticle formation and improved carrier selectivity of perovskite solar cells. <i>Materials Today Energy</i> , 2018, 8, 57-64.	2.5	35
13	Mesoporous implantable Pt/SrTiO ₃ :C,N nanocuboids delivering enhanced photocatalytic H ₂ -production activity via plasmon-induced interfacial electron transfer. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 338-347.	10.8	35
14	Room temperature nanoparticulate interfacial layers for perovskite solar cells <i>via</i> solvothermal synthesis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20381-20389.	5.2	33
15	Synthesis of Ordered Mesoporous CuO/CeO_2 Composite Frameworks as Anode Catalysts for Water Oxidation. <i>Nanomaterials</i> , 2015, 5, 1971-1984.	1.9	32
16	Templated Self-Assembly of Colloidal Nanocrystals into Three-Dimensional Mesoscopic Structures: A Perspective on Synthesis and Catalytic Prospects. <i>Chemistry of Materials</i> , 2016, 28, 2886-2896.	3.2	30
17	Inverted Perovskite Photovoltaics Using Flame Spray Pyrolysis Solution Based $\text{CuAlO}_2/\text{CuO}$ Hole-Selective Contact. <i>ACS Applied Energy Materials</i> , 2019, 2, 2276-2287.	2.5	29
18	Long Thermal Stability of Inverted Perovskite Photovoltaics Incorporating Fullerene-Based Diffusion Blocking Layer. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800280.	1.9	23

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19	Surface decoration of carbon nanosheets with amino-functionalized organosilica nanoparticles. Applied Surface Science, 2012, 258, 3703-3709.	3.1	22
20	Effects of Acetate on Cation Exchange Capacity of a Zn-Containing Montmorillonite: Physicochemical Significance and Metal Uptake. Langmuir, 2009, 25, 6825-6833.	1.6	21
21	Enhanced photovoltaic performance of perovskite solar cells by Co-doped spinel nickel cobaltite hole transporting layer. APL Materials, 2019, 7, .	2.2	20
22	Interface Engineering of MoS ₂ -Modified Graphitic Carbon Nitride Nano-photocatalysts for an Efficient Hydrogen Evolution Reaction. ChemPlusChem, 2020, 85, 1379-1388.	1.3	19
23	Monitoring and Modeling of Metal Concentration Distributions in Anoxic Basins: Aitoliko Lagoon, Greece. Aquatic Geochemistry, 2013, 19, 77-95.	1.5	18
24	Development of enhanced surface area LaFeO ₃ perovskites using amino acids as templating agents. Materials Research Bulletin, 2016, 83, 491-501.	2.7	18
25	Mesoporous spinel CoFe ₂ O ₄ as an efficient adsorbent for arsenite removal from water: high efficiency via control of the particle assemblage configuration. Environmental Science: Nano, 2019, 6, 1156-1167.	2.2	16
26	Ternary [Al ₂ O ₃ -electrolyte-Cu ²⁺] species: EPR spectroscopy and surface complexation modeling. Journal of Colloid and Interface Science, 2009, 339, 19-30.	5.0	15
27	Antimony doped tin oxide/polyethylenimine electron selective contact for reliable and light soaking-free high performance inverted organic solar cells. APL Materials, 2019, 7, .	2.2	13
28	Nanoparticulate Metal Oxide Top Electrode Interface Modification Improves the Thermal Stability of Inverted Perovskite Photovoltaics. Nanomaterials, 2019, 9, 1616.	1.9	13
29	Surface defect engineering of mesoporous Cu/ZnS nanocrystal-linked networks for improved visible-light photocatalytic hydrogen production. Inorganic Chemistry Frontiers, 2020, 7, 4687-4700.	3.0	11
30	A theoretical and experimental physicochemical study of sulfur species in the anoxic lagoon of Aitoliko-Greece. Chemosphere, 2009, 74, 1011-1017.	4.2	10
31	Ordered Mesoporous Polyoxometalate-Organosilica Frameworks as Efficient Photocatalysts of the Hydrogen Evolution Reaction. ChemPlusChem, 2016, 81, 947-954.	1.3	10
32	Boosting photochemical activity by Ni doping of mesoporous CoO nanoparticle assemblies. Inorganic Chemistry Frontiers, 2019, 6, 765-774.	3.0	10
33	Mesoporous Composite Networks of Linked MnFe ₂ O ₄ and ZnFe ₂ O ₄ Nanoparticles as Efficient Photocatalysts for the Reduction of Cr(VI). Catalysts, 2021, 11, 199.	1.6	9
34	Surface Treatment of Cu:NiOx Hole-Transporting Layer Using β -Alanine for Hysteresis-Free and Thermally Stable Inverted Perovskite Solar Cells. Nanomaterials, 2020, 10, 1961.	1.9	8
35	Nanoporous polystyrene-porphyrin nanoparticles for selective gas separation. Polymer Chemistry, 2016, 7, 3026-3033.	1.9	7
36	Bottom Contact Metal Oxide Interface Modification Improving the Efficiency of Organic Light Emitting Diodes. Materials, 2020, 13, 5082.	1.3	6

#	ARTICLE	IF	CITATIONS
37	All-Inorganic p-n Heterojunction Solar Cells by Solution Combustion Synthesis Using N-type FeMnO ₃ Perovskite Photoactive Layer. <i>Frontiers in Chemistry</i> , 2021, 9, 754487.	1.8	6
38	Thermal Analysis of Metal-Organic Precursors for Functional Cu:InO _x Hole Transporting Layer in Inverted Perovskite Solar Cells: Role of Solution Combustion Chemistry in Cu:InO _x Thin Films Processing. <i>Nanomaterials</i> , 2021, 11, 3074.	1.9	1
39	Light degradation mechanism of non-fullerene acceptor Organic Photovoltaics incorporating PM6:Y6 based Active Layer. , 0, , .		0