

Troy K Townsend

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,424
citations

687220

13
h-index

752573

20
g-index

22
all docs

22
docs citations

22
times ranked

2806
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Postannealing Reduction via Aqueous Sodium Borohydride and Composition Optimization of Fully Solution-Processed Indium Tin Oxide Films. ACS Applied Materials & Interfaces, 2022, 14, 13516-13527.	4.0	3
2	Bathless Inorganic Composite Nickel Plating: Dry-Cell Stamping of Large Hygroscopic Phosphor Crystals. Advanced Materials Interfaces, 2020, 7, 1901282.	1.9	1
3	Localized Bathless Metal-Composite Plating via Electro stamping. Journal of Visualized Experiments, 2020, , .	0.2	1
4	Fabrication of Fully Solution Processed Inorganic Nanocrystal Photovoltaic Devices. Journal of Visualized Experiments, 2016, , .	0.2	1
5	Safer salts for CdTe nanocrystal solution processed solar cells: the dual roles of ligand exchange and grain growth. Journal of Materials Chemistry A, 2015, 3, 13057-13065.	5.2	16
6	Complete Water Splitting with Multi-Component Catalysts: Proposed Mechanism of Charge Transport in NiOx Loaded SrTiO3 Photocatalyst for Complete Water Splitting. Springer Theses, 2014, , 53-66.	0.0	1
7	The Hydrogen Evolution Reaction: Water Reduction Photocatalysis-Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. Springer Theses, 2014, , 9-25.	0.0	2
8	Fully solution processed all inorganic nanocrystal solar cells. Physical Chemistry Chemical Physics, 2014, 16, 16458-16464.	1.3	18
9	Impact of Nanocrystal Spray Deposition on Inorganic Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 7902-7909.	4.0	21
10	Sintered CdTe Nanocrystal Thin Films: Determination of Optical Constants and Application in Novel Inverted Heterojunction Solar Cells. IEEE Nanotechnology Magazine, 2014, 13, 551-556.	1.1	19
11	Inorganic Metal Oxide Nanocrystal Photocatalysts for Solar Fuel Generation from Water. Springer Theses, 2014, , .	0.0	9
12	Overall Photocatalytic Water Splitting with Suspended NiO-SrTiO3 Nanocrystals. Springer Theses, 2014, , 39-51.	0.0	0
13	Inorganic Photovoltaic Devices Fabricated Using Nanocrystal Spray Deposition. ACS Applied Materials & Interfaces, 2013, 5, 8828-8832.	4.0	16
14	Quantum confinement controlled photocatalytic water splitting by suspended CdSe nanocrystals. Chemical Communications, 2012, 48, 371-373.	2.2	200
15	Nanoscale Strontium Titanate Photocatalysts for Overall Water Splitting. ACS Nano, 2012, 6, 7420-7426.	7.3	236
16	Overall photocatalytic water splitting with NiOx-SrTiO3 a revised mechanism. Energy and Environmental Science, 2012, 5, 9543.	15.6	199
17	Single-Crystal Tungsten Oxide Nanosheets: Photochemical Water Oxidation in the Quantum Confinement Regime. Chemistry of Materials, 2012, 24, 698-704.	3.2	158
18	Photocatalytic water oxidation with suspended alpha-Fe2O3 particles-effects of nanoscaling. Energy and Environmental Science, 2011, 4, 4270.	15.6	209

#	ARTICLE	IF	CITATIONS
19	Photocatalytic Water Oxidation with Nonsensitized IrO ₂ Nanocrystals under Visible and UV Light. <i>Journal of the American Chemical Society</i> , 2011, 133, 7264-7267.	6.6	239
20	Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. <i>ChemSusChem</i> , 2011, 4, 185-190.	3.6	43
21	Assembly of Core-Shell Structures for Photocatalytic Hydrogen Evolution from Aqueous Methanol. <i>Chemistry of Materials</i> , 2010, 22, 3362-3368.	3.2	32