

# Troy K Townsend

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/148309/publications.pdf>

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	Photocatalytic Water Oxidation with Nonsensitized IrO <sub>2</sub> Nanocrystals under Visible and UV Light. <i>Journal of the American Chemical Society</i> , 2011, 133, 7264-7267.	6.6	239
2	Nanoscale Strontium Titanate Photocatalysts for Overall Water Splitting. <i>ACS Nano</i> , 2012, 6, 7420-7426.	7.3	236
3	Photocatalytic water oxidation with suspended alpha-Fe <sub>2</sub> O <sub>3</sub> particles-effects of nanoscaling. <i>Energy and Environmental Science</i> , 2011, 4, 4270.	15.6	209
4	Quantum confinement controlled photocatalytic water splitting by suspended CdSe nanocrystals. <i>Chemical Communications</i> , 2012, 48, 371-373.	2.2	200
5	Overall photocatalytic water splitting with NiO/SrTiO <sub>3</sub> a revised mechanism. <i>Energy and Environmental Science</i> , 2012, 5, 9543.	15.6	199
6	Single-Crystal Tungsten Oxide Nanosheets: Photochemical Water Oxidation in the Quantum Confinement Regime. <i>Chemistry of Materials</i> , 2012, 24, 698-704.	3.2	158
7	Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. <i>ChemSusChem</i> , 2011, 4, 185-190.	3.6	43
8	Assembly of Core-Shell Structures for Photocatalytic Hydrogen Evolution from Aqueous Methanol. <i>Chemistry of Materials</i> , 2010, 22, 3362-3368.	3.2	32
9	Impact of Nanocrystal Spray Deposition on Inorganic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 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. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 551-556.	1.1	19
11	Fully solution processed all inorganic nanocrystal solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16458-16464.	1.3	18
12	Inorganic Photovoltaic Devices Fabricated Using Nanocrystal Spray Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8828-8832.	4.0	16
13	Safer salts for CdTe nanocrystal solution processed solar cells: the dual roles of ligand exchange and grain growth. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13057-13065.	5.2	16
14	Inorganic Metal Oxide Nanocrystal Photocatalysts for Solar Fuel Generation from Water. <i>Springer Theses</i> , 2014, , .	0.0	9
15	Room-Temperature Postannealing Reduction via Aqueous Sodium Borohydride and Composition Optimization of Fully Solution-Processed Indium Tin Oxide Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13516-13527.	4.0	3
16	The Hydrogen Evolution Reaction: Water Reduction Photocatalysis-Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. <i>Springer Theses</i> , 2014, , 9-25.	0.0	2
17	Complete Water Splitting with Multi-Component Catalysts: Proposed Mechanism of Charge Transport in NiOx Loaded SrTiO <sub>3</sub> Photocatalyst for Complete Water Splitting. <i>Springer Theses</i> , 2014, , 53-66.	0.0	1
18	Fabrication of Fully Solution Processed Inorganic Nanocrystal Photovoltaic Devices. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	1

#	ARTICLE	IF	CITATIONS
19	Bathless Inorganic Composite Nickel Plating: Dry-Cell Stamping of Large Hygroscopic Phosphor Crystals. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901282.	1.9	1
20	Localized Bathless Metal-Composite Plating via Electro stamping. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
21	Overall Photocatalytic Water Splitting with Suspended NiO-SrTiO <sub>3</sub> Nanocrystals. <i>Springer Theses</i> , 2014, , 39-51.	0.0	0