## Ryan Kisslinger

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8357097/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	High rate CO2 photoreduction using flame annealed TiO2 nanotubes. Applied Catalysis B: Environmental, 2019, 243, 522-536.	20.2	123
2	Optical control of selectivity of high rate CO2 photoreduction via interband- or hot electron Z-scheme reaction pathways in Au-TiO2 plasmonic photonic crystal photocatalyst. Applied Catalysis B: Environmental, 2020, 267, 118644.	20.2	92
3	Arrays of TiO2 nanorods embedded with fluorine doped carbon nitride quantum dots (CNFQDs) for visible light driven water splitting. Carbon, 2018, 137, 174-187.	10.3	70
4	Halide perovskite solar cells using monocrystalline TiO <sub>2</sub> nanorod arrays as electron transport layers: impact of nanorod morphology. Nanotechnology, 2017, 28, 274001.	2.6	67
5	Noble Metal Free, Visible Light Driven Photocatalysis Using TiO 2 Nanotube Arrays Sensitized by Pâ€Doped C 3 N 4 Quantum Dots. Advanced Optical Materials, 2020, 8, 1901275.	7.3	48
6	Bulk Heterojunction Solar Cells Based on Blends of Conjugated Polymers with II–VI and IV–VI Inorganic Semiconductor Quantum Dots. Polymers, 2017, 9, 35.	4.5	45
7	One-Dimensional Electron Transport Layers for Perovskite Solar Cells. Nanomaterials, 2017, 7, 95.	4.1	41
8	Vapor Deposition of Semiconducting Phosphorus Allotropes into TiO <sub>2</sub> Nanotube Arrays for Photoelectrocatalytic Water Splitting. ACS Applied Nano Materials, 2019, 2, 3358-3367.	5.0	30
9	All-solution processed, scalable superhydrophobic coatings on stainless steel surfaces based on functionalized discrete titania nanotubes. Chemical Engineering Journal, 2018, 351, 482-489.	12.7	24
10	100-fold improvement in carrier drift mobilities in alkanephosphonate-passivated monocrystalline TiO <sub>2</sub> nanowire arrays. Nanotechnology, 2017, 28, 144001.	2.6	23
11	Heterojunctions of mixed phase TiO <sub>2</sub> nanotubes with Cu, CuPt, and Pt nanoparticles: interfacial band alignment and visible light photoelectrochemical activity. Nanotechnology, 2018, 29, 014002.	2.6	22
12	Nanophotonic enhancement and improved electron extraction in perovskite solar cells using near-horizontally aligned TiO2 nanorods. Journal of Power Sources, 2019, 417, 176-187.	7.8	17
13	Preferentially oriented TiO <sub>2</sub> nanotube arrays on non-native substrates and their improved performance as electron transporting layer in halide perovskite solar cells. Nanotechnology, 2019, 30, 204003.	2.6	17
14	Remarkable self-organization and unusual conductivity behavior in cellulose nanocrystal-PEDOT: PSS nanocomposites. Journal of Materials Science: Materials in Electronics, 2019, 30, 1390-1399.	2.2	16
15	Threshold hydrophobicity for inhibition of salt scale formation on SAM-modified titania nanotube arrays. Applied Surface Science, 2019, 473, 282-290.	6.1	15
16	Optical anisotropy in vertically oriented TiO <sub>2</sub> nanotube arrays. Nanotechnology, 2017, 28, 374001.	2.6	14
17	Vapor growth of binary and ternary phosphorus-based semiconductors into TiO <sub>2</sub> nanotube arrays and application in visible light driven water splitting. Nanoscale Advances, 2019, 1, 2881-2890.	4.6	11
18	Charge transport, doping and luminescence in solution-processed, phosphorescent, air-stable tellurophene thin films. Organic Electronics, 2016, 39, 153-162.	2.6	10

#	Article	IF	CITATIONS
19	Nonlithographic Formation of Ta <sub>2</sub> O <sub>5</sub> Nanodimple Arrays Using Electrochemical Anodization and Their Use in Plasmonic Photocatalysis for Enhancement of Local Field and Catalytic Activity. ACS Applied Materials & Interfaces, 2021, 13, 4340-4351.	8.0	10
20	Anodic copper oxide nanowire and nanopore arrays with mixed phase content: synthesis, characterization and optical limiting response. Journal of Physics Communications, 2017, 1, 045012.	1.2	8
21	TiO2-HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. Catalysts, 2021, 11, 1374.	3.5	8
22	Transparent nanoporous P-type NiO films grown directly on non-native substrates by anodization. Journal of Materials Science: Materials in Electronics, 2019, 30, 11327-11335.	2.2	4
23	Microwave resonator sensor integrated with nanostructured semiconductor membranes for photodetection and carrier lifetime measurement. , 2016, , .		1
24	Optical Limiting in Cu/CuO Nanostructures Formed by Magnetic Field-Assisted Anodization. Journal of Nanoscience and Nanotechnology, 2017, 17, 5019-5023.	0.9	1