

# Ryan Kisslinger

## List of Publications by Year in descending order

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24  
papers

717  
citations

566801

15  
h-index

642321

23  
g-index

24  
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24  
docs citations

24  
times ranked

1061  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.0	10
2	TiO <sub>2</sub> -HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. Catalysts, 2021, 11, 1374.	1.6	8
3	Noble Metal Free, Visible Light Driven Photocatalysis Using TiO <sub>2</sub> Nanotube Arrays Sensitized by P-doped C <sub>3</sub> N <sub>4</sub> Quantum Dots. Advanced Optical Materials, 2020, 8, 1901275.	3.6	48
4	Optical control of selectivity of high rate CO <sub>2</sub> photoreduction via interband- or hot electron Z-scheme reaction pathways in Au-TiO <sub>2</sub> plasmonic photonic crystal photocatalyst. Applied Catalysis B: Environmental, 2020, 267, 118644.	10.8	92
5	High rate CO <sub>2</sub> photoreduction using flame annealed TiO <sub>2</sub> nanotubes. Applied Catalysis B: Environmental, 2019, 243, 522-536.	10.8	123
6	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.	2.2	11
7	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.	2.4	30
8	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.	1.1	4
9	Nanophotonic enhancement and improved electron extraction in perovskite solar cells using near-horizontally aligned TiO <sub>2</sub> nanorods. Journal of Power Sources, 2019, 417, 176-187.	4.0	17
10	Remarkable self-organization and unusual conductivity behavior in cellulose nanocrystal-PEDOT: PSS nanocomposites. Journal of Materials Science: Materials in Electronics, 2019, 30, 1390-1399.	1.1	16
11	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.	1.3	17
12	Threshold hydrophobicity for inhibition of salt scale formation on SAM-modified titania nanotube arrays. Applied Surface Science, 2019, 473, 282-290.	3.1	15
13	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.	1.3	22
14	Arrays of TiO <sub>2</sub> nanorods embedded with fluorine doped carbon nitride quantum dots (CNFQDs) for visible light driven water splitting. Carbon, 2018, 137, 174-187.	5.4	70
15	All-solution processed, scalable superhydrophobic coatings on stainless steel surfaces based on functionalized discrete titania nanotubes. Chemical Engineering Journal, 2018, 351, 482-489.	6.6	24
16	100-fold improvement in carrier drift mobilities in alkanephosphonate-passivated monocrystalline TiO <sub>2</sub> nanowire arrays. Nanotechnology, 2017, 28, 144001.	1.3	23
17	Halide perovskite solar cells using monocrystalline TiO <sub>2</sub> nanorod arrays as electron transport layers: impact of nanorod morphology. Nanotechnology, 2017, 28, 274001.	1.3	67
18	Anodic copper oxide nanowire and nanopore arrays with mixed phase content: synthesis, characterization and optical limiting response. Journal of Physics Communications, 2017, 1, 045012.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Optical anisotropy in vertically oriented TiO <sub>2</sub> nanotube arrays. Nanotechnology, 2017, 28, 374001.	1.3	14
20	One-Dimensional Electron Transport Layers for Perovskite Solar Cells. Nanomaterials, 2017, 7, 95.	1.9	41
21	Bulk Heterojunction Solar Cells Based on Blends of Conjugated Polymers with II <sup>VI</sup> and IV <sup>VI</sup> Inorganic Semiconductor Quantum Dots. Polymers, 2017, 9, 35.	2.0	45
22	Optical Limiting in Cu/CuO Nanostructures Formed by Magnetic Field-Assisted Anodization. Journal of Nanoscience and Nanotechnology, 2017, 17, 5019-5023.	0.9	1
23	Microwave resonator sensor integrated with nanostructured semiconductor membranes for photodetection and carrier lifetime measurement. , 2016, , .		1
24	Charge transport, doping and luminescence in solution-processed, phosphorescent, air-stable tellurophene thin films. Organic Electronics, 2016, 39, 153-162.	1.4	10