# Ryan Kisslinger

List of Publications by Year
in descending order



| 24 | 717 | 566801 15 | 642321 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 1061 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High rate CO2 photoreduction using flame annealed TiO2 nanotubes. Applied Catalysis B: Environmental, 2019, 243, 522-536. | 10.8 | 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. | 10.8 | 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. | 5.4 | 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. | 1.3 | 67 |
| 5 | Noble Metal Free, Visible Light Driven Photocatalysis Using TiO 2 Nanotube Arrays Sensitized by Pâ€Đoped C 3 N 4 Quantum Dots. Advanced Optical Materials, 2020, 8, 1901275. | 3.6 | 48 |
| 6 | Bulk Heterojunction Solar Cells Based on Blends of Conjugated Polymers with IIâ€“VI and IVâ€“VI Inorganic Semiconductor Quantum Dots. Polymers, 2017, 9, 35. | 2.0 | 45 |
| 7 | One-Dimensional Electron Transport Layers for Perovskite Solar Cells. Nanomaterials, 2017, 7, 95. | 1.9 | 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. | 2.4 | 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. | 6.6 | 24 |
| 10 | 100-fold improvement in carrier drift mobilities in alkanephosphonate-passivated monocrystalline TiO<sub>2</sub> nanowire arrays. Nanotechnology, 2017, 28, 144001. | 1.3 | 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. | 1.3 | 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. | 4.0 | 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. | 1.3 | 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. | 1.1 | 16 |
| 15 | Threshold hydrophobicity for inhibition of salt scale formation on SAM-modified titania nanotube arrays. Applied Surface Science, 2019, 473, 282-290. | 3.1 | 15 |
| 16 | Optical anisotropy in vertically oriented TiO<sub>2</sub>nanotube arrays. Nanotechnology, 2017, 28, 374001. | 1.3 | 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. | 2.2 | 11 |
| 18 | Charge transport, doping and luminescence in solution-processed, phosphorescent, air-stable tellurophene thin films. Organic Electronics, 2016, 39, 153-162. | 1.4 | 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. | 4.0 | 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. | 0.5 | 8 |
| 21 | TiO2-HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. Catalysts, 2021, 11, 1374. | 1.6 | 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. | 1.1 | 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 |