

Saralyn Riddell

List of Publications by Year in descending order

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papers

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1305906

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all docs

12
docs citations

12
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot carrier photocatalysis using bimetallic Au@Pt hemispherical core-shell nanoislands. Journal of Materials Science: Materials in Electronics, 2022, 33, 18134-18155.	1.1	2
2	Revealing and Attenuating the Electrostatic Properties of Tubulin and Its Polymers. Small, 2021, 17, 2003560.	5.2	7
3	Nonlithographic Formation of Ta ₂ O ₅ 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
4	Asymmetric Multipole Plasmon-Mediated Catalysis Shifts the Product Selectivity of CO ₂ Photoreduction toward C ₂₊ Products. ACS Applied Materials & Interfaces, 2021, 13, 7248-7258.	4.0	40
5	Synthesis, characterization, and visible light photocatalytic activity of solution-processed free-standing 2D Bi ₂ O ₂ Se nanosheets. Nanotechnology, 2021, 32, 485602.	1.3	16
6	Harvesting Hot Holes in Plasmon-Coupled Ultrathin Photoanodes for High-Performance Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 42741-42752.	4.0	24
7	TiO ₂ -HfN Radial Nano-Heterojunction: A Hot Carrier Photoanode for Sunlight-Driven Water-Splitting. Catalysts, 2021, 11, 1374.	1.6	8
8	Consistently High <i>V_{oc}</i> Values in p-i-n Type Perovskite Solar Cells Using Ni ³⁺ -Doped NiO Nanomesh as the Hole Transporting Layer. ACS Applied Materials & Interfaces, 2020, 12, 11467-11478.	4.0	48
9	Plasmonic photocatalysis and SERS sensing using ellipsometrically modeled Ag nanoisland substrates. Nanotechnology, 2020, 31, 365301.	1.3	19
10	Optical control of selectivity of high rate CO ₂ photoreduction via interband- or hot electron Z-scheme reaction pathways in Au-TiO ₂ plasmonic photonic crystal photocatalyst. Applied Catalysis B: Environmental, 2020, 267, 118644.	10.8	92
11	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
12	Preferentially oriented TiO ₂ 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