

Taeho Shin

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

381
citations

759233

12
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19
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27
all docs

27
docs citations

27
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced visible light-driven photocatalysis of iron-oxide/titania composite: Norfloxacin degradation mechanism and toxicity study. <i>Journal of Hazardous Materials</i> , 2021, 412, 125330.	12.4	54
2	Dual echelon femtosecond single-shot spectroscopy. <i>Review of Scientific Instruments</i> , 2014, 85, 083115.	1.3	40
3	Highly efficient visible light driven photocatalytic activity of zinc/ferrite: Carbamazepine degradation, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2021, 416, 126209.	12.4	39
4	Enhanced visible light-driven photocatalytic activity of reduced graphene oxide/cadmium sulfide composite: Methylparaben degradation mechanism and toxicity. <i>Chemosphere</i> , 2021, 264, 128481.	8.2	35
5	Extended two-temperature model for ultrafast thermal response of band gap materials upon impulsive optical excitation. <i>Journal of Chemical Physics</i> , 2015, 143, 194705.	3.0	30
6	Photocatalytic degradation of tetracycline using hybrid Ag/Ag ₂ S@BiOI nanowires: Degradation mechanism and toxicity evaluation. <i>Chemosphere</i> , 2022, 303, 135091.	8.2	21
7	Real-Time Observation of a Coherent Lattice Transformation into a High-Symmetry Phase. <i>Physical Review X</i> , 2018, 8, .	8.9	19
8	Improved visible-light-driven photocatalytic removal of Bisphenol A using V ₂ O ₅ /WO ₃ decorated over Zeolite: Degradation mechanism and toxicity. <i>Environmental Research</i> , 2022, 212, 113136.	7.5	19
9	Highly efficient visible light photocatalysis of Ni Zn Fe ₂ O ₄ (x= 0, 0.3, 0.7) nanoparticles: Diclofenac degradation mechanism and eco-toxicity. <i>Chemosphere</i> , 2022, 301, 134699.	8.2	19
10	A Facile Preparative Route of Nanoscale Perovskites over Mesoporous Metal Oxide Films and Their Applications to Photosensitizers and Light Emitters. <i>Advanced Functional Materials</i> , 2018, 28, 1803801.	14.9	17
11	Carrier confinement and bond softening in photoexcited bismuth films. <i>Physical Review B</i> , 2015, 92, .	3.2	15
12	Nickel decorated manganese oxynitride over graphene nanosheets as highly efficient visible light driven photocatalysts for acetylsalicylic acid degradation. <i>Environmental Pollution</i> , 2021, 289, 117864.	7.5	14
13	Nanoscale Perovskite-Sensitized Solar Cell Revisited: Dye-Cell or Perovskite-Cell?. <i>ChemSusChem</i> , 2020, 13, 2571-2576.	6.8	10
14	Directed Nanoscale Self-Assembly of Natural Photosystems on Nitrogen-Doped Carbon Nanotubes for Solar-Energy Harvesting. <i>ACS Applied Bio Materials</i> , 2019, 2, 2109-2115.	4.6	8
15	Surface plasmon enhanced Organic color image sensor with Ag nanoparticles coated with silicon oxynitride. <i>Scientific Reports</i> , 2020, 10, 219.	3.3	7
16	Pd@PdS core shell nanocubes for photocatalytic degradation of methylparaben. <i>Materials Letters</i> , 2022, 309, 131444.	2.6	7
17	Femtosecond reflectivity study of photoacoustic responses in bismuth thin films. <i>Thin Solid Films</i> , 2018, 666, 108-112.	1.8	6
18	Direct observation of the conformational transitions of single pyridine molecules on a Ag(110) surface induced by long-range repulsive intermolecular interactions. <i>Journal of Chemical Physics</i> , 2017, 146, 014706.	3.0	4

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19	Enhancement of Piezoelectricity in Dimensionally Engineered Metal-Halide Perovskites Induced by Deep Level Defects. <i>Advanced Energy Materials</i> , 0, , 2200181.	19.5	4
20	Unprecedented green-emissive boranyl-hydrazone supramolecular assemblies and their in vitro diagnostic applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111553.	3.8	3
21	Effective Preparation of Nanoscale $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Photosensitizers for Mesoporous TiO_2 -Based Solar Cells by Successive Precursor Layer Adsorption and Reaction Process. <i>Energy Technology</i> , 2020, 8, 1901186.	3.8	3
22	Long-lived photoinduced response observed under extreme photoexcitation densities in a one-dimensional Peierls insulator. <i>Physical Review B</i> , 2018, 98, .	3.2	2
23	Femtosecond reflectivity study of coherent phonons in doubly photoexcited bismuth. <i>Current Applied Physics</i> , 2019, 19, 256-259.	2.4	2
24	Nanoscale Lead(II) Iodide-sensitized Solar Cell. <i>Chemistry Letters</i> , 2019, 48, 144-147.	1.3	1
25	Size-dependent energy spacing and surface defects of CdSe quantum dots in strong confinement regime. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3297-3302.	3.1	1
26	Orientation-specific switching of inelastic electron tunneling in an oxygen-pyridine complex adsorbed onto an Ag(110) surface. <i>Journal of Chemical Physics</i> , 2019, 151, 114703.	3.0	0