

Bin Xue

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,494
citations

279487

23
h-index

315357

38
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44
all docs

44
docs citations

44
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact remnants rich in carbonaceous chondrites detected on the Moon by the Chang'e-4 rover. <i>Nature Astronomy</i> , 2022, 6, 207-213.	4.2	6
2	Plasmonic enhancement of exciton and trion photoluminescence in 2D MoS ₂ decorated with Au nanorods: Impact of nonspherical shape. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 140, 115213.	1.3	7
3	Design and Ground Verification for Multispectral Camera on the Mars Tianwen-1 Rover. <i>Space Science Reviews</i> , 2022, 218, .	3.7	6
4	A Laboratory Open-Set Martian Rock Classification Method Based on Spectral Signatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	2.7	4
5	Enhancement of Raman Scattering and Exciton/Trion Photoluminescence of Monolayer and Few-Layer MoS ₂ by Ag Nanoprisms and Nanoparticles: Shape and Size Effects. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4119-4132.	1.5	32
6	Temperature-Feedback Nanoplatfor for NIR-Modal Imaging-Guided Synergistic Photothermal Therapy and CAR-T Immunotherapy of Lung Cancer. <i>Small</i> , 2021, 17, e2101397.	5.2	38
7	Monitoring Cyanobacteria Bloom in Dianchi Lake Based on Ground-Based Multispectral Remote-Sensing Imaging: Preliminary Results. <i>Remote Sensing</i> , 2021, 13, 3970.	1.8	7
8	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. <i>Biomaterials</i> , 2020, 251, 120088.	5.7	58
9	Laser-Induced Periodic Ag Surface Structure with Au Nanorods Plasmonic Nanocavity Metasurface for Strong Enhancement of Adenosine Nucleotide Label-Free Photoluminescence Imaging. <i>ACS Omega</i> , 2020, 5, 14030-14039.	1.6	15
10	Switching off the SERS signal for highly sensitive and homogeneous detection of glucose by attenuating the electric field of the tips. <i>Applied Surface Science</i> , 2019, 493, 423-430.	3.1	13
11	Plasmonic Nanocavity Metasurface Based on Laser-Structured Silver Surface and Silver Nanoprisms for the Enhancement of Adenosine Nucleotide Photoluminescence. <i>ACS Applied Nano Materials</i> , 2019, 2, 7152-7161.	2.4	12
12	Regulating the color output and simultaneously enhancing the intensity of upconversion nanoparticles via a dye sensitization strategy. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8607-8615.	2.7	23
13	Topographic Evolution of Von K�rn Crater Revealed by the Lunar Rover Yutu-2. <i>Geophysical Research Letters</i> , 2019, 46, 12764-12770.	1.5	38
14	Near Infrared Light Sensitive Ultraviolet-Blue Nanophotoswitch for Imaging-Guided "Off-On" Therapy. <i>ACS Nano</i> , 2018, 12, 3217-3225.	7.3	113
15	An 800 nm driven NaErF ₄ @NaLuF ₄ upconversion platform for multimodality imaging and photodynamic therapy. <i>Nanoscale</i> , 2018, 10, 12356-12363.	2.8	62
16	Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures. <i>Angewandte Chemie</i> , 2018, 130, 3108-3112.	1.6	24
17	Highly effective and chemically stable surface enhanced Raman scattering substrates with flower-like 3D Ag-Au hetero-nanostructures. <i>Scientific Reports</i> , 2018, 8, 898.	1.6	27
18	Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3054-3058.	7.2	97

#	ARTICLE	IF	CITATIONS
19	Titelbild: Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures (Angew. Chem. 12/2018). Angewandte Chemie, 2018, 130, 3031-3031.	1.6	0
20	Compressed energy transfer distance for remarkable enhancement of the luminescence of Nd ³⁺ -sensitized upconversion nanoparticles. Journal of Materials Chemistry C, 2018, 6, 6597-6604.	2.7	17
21	Ultrastrong Absorption Meets Ultraweak Absorption: Unraveling the Energy-Dissipative Routes for Dye-Sensitized Upconversion Luminescence. Journal of Physical Chemistry Letters, 2018, 9, 4625-4631.	2.1	48
22	Semimetal-Semiconductor Transitions for Monolayer Antimonene Nanosheets and Their Application in Perovskite Solar Cells. Advanced Materials, 2018, 30, e1803244.	11.1	64
23	Temperature analysis of Cassegrain optical antenna for space laser communication. Optical Engineering, 2018, 57, 1.	0.5	3
24	Employing shells to eliminate concentration quenching in photonic upconversion nanostructure. Nanoscale, 2017, 9, 7941-7946.	2.8	140
25	Precise Photodynamic Therapy of Cancer via Subcellular Dynamic Tracing of Dual-loaded Upconversion Nanophotosensitizers. Scientific Reports, 2017, 7, 45633.	1.6	26
26	A SERS nano-tag-based fiber-optic strategy for in situ immunoassay in unprocessed whole blood. Biosensors and Bioelectronics, 2017, 92, 517-522.	5.3	38
27	Novel Au Catalysis Strategy for the Synthesis of Au@Pt Core-Shell Nanoelectrocatalyst with Self-Controlled Quasi-Monolayer Pt Skin. ACS Applied Materials & Interfaces, 2017, 9, 32688-32697.	4.0	23
28	Bcl-2 inhibitor uploaded upconversion nanophotosensitizers to overcome the photodynamic therapy resistance of cancer through adjuvant intervention strategy. Biomaterials, 2017, 144, 73-83.	5.7	38
29	One-step in situ solid-substrate-based whole blood immunoassay based on FRET between upconversion and gold nanoparticles. Biosensors and Bioelectronics, 2017, 92, 335-341.	5.3	31
30	Catalysis-reduction strategy for sensing inorganic and organic mercury based on gold nanoparticles. Biosensors and Bioelectronics, 2017, 92, 328-334.	5.3	27
31	Accurate Quantitative Sensing of Intracellular pH based on Self-ratiometric Upconversion Luminescent Nanoprobe. Scientific Reports, 2016, 6, 38617.	1.6	46
32	A facile and general route to synthesize silica-coated SERS tags with the enhanced signal intensity. Scientific Reports, 2015, 5, 14934.	1.6	21
33	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 1. Mineral abundances inferred from spectral reflectance. Geophysical Research Letters, 2015, 42, 6945-6950.	1.5	28
34	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 2. Photometric properties of the regolith. Geophysical Research Letters, 2015, 42, 8312-8319.	1.5	33
35	Towards high quality triangular silver nanoprisms: improved synthesis, six-tip based hot spots and ultra-high local surface plasmon resonance sensitivity. Nanoscale, 2015, 7, 8048-8057.	2.8	79
36	808 nm driven Nd ³⁺ -sensitized upconversion nanostructures for photodynamic therapy and simultaneous fluorescence imaging. Nanoscale, 2015, 7, 190-197.	2.8	161

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37	A versatile synthesis route for metal@SiO ₂ core-shell nanoparticles using 11-mercaptoundecanoic acid as primer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6355.	2.7	20
38	Design of the microlens arrays coupling with imaging fiber bundle. <i>Optoelectronics Letters</i> , 2013, 9, 169-172.	0.4	5
39	Design of a novel LED collimating element based on freeform surface. <i>Optoelectronics Letters</i> , 2013, 9, 9-12.	0.4	4
40	Facile synthesis of NaYF ₄ :Yb, Ln/NaYF ₄ :Yb core/shell upconversion nanoparticles via successive ion layer adsorption and one-pot reaction technique. <i>CrystEngComm</i> , 2013, 15, 4765.	1.3	20
41	Autonomous Star Identification for GEO Objects Orientation Based on Delaunay Triangulation. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2011, 54, 62-66.	0.4	0
42	A Sub-pixel Centroid Algorithm for Star Image Based on Gaussian Distribution. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2011, 53, 307-310.	0.4	6
43	Overall scheme and on-orbit images of Chang'e-2 lunar satellite CCD stereo camera. <i>Science China Technological Sciences</i> , 2011, 54, 2237-2242.	2.0	33