

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
g-index

44
all docs

44
docs citations

44
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	808 nm driven Nd ³⁺ -sensitized upconversion nanostructures for photodynamic therapy and simultaneous fluorescence imaging. <i>Nanoscale</i> , 2015, 7, 190-197.	2.8	161
2	Employing shells to eliminate concentration quenching in photonic upconversion nanostructure. <i>Nanoscale</i> , 2017, 9, 7941-7946.	2.8	140
3	Near Infrared Light Sensitive Ultraviolet-Blue Nanophotoswitch for Imaging-Guided Therapy. <i>ACS Nano</i> , 2018, 12, 3217-3225.	7.3	113
4	Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3054-3058.	7.2	97
5	Towards high quality triangular silver nanoprisms: improved synthesis, six-tip based hot spots and ultra-high local surface plasmon resonance sensitivity. <i>Nanoscale</i> , 2015, 7, 8048-8057.	2.8	79
6	Semimetal-Semiconductor Transitions for Monolayer Antimonene Nanosheets and Their Application in Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1803244.	11.1	64
7	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
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	Ultrastrong Absorption Meets Ultraweak Absorption: Unraveling the Energy-Dissipative Routes for Dye-Sensitized Upconversion Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4625-4631.	2.1	48
10	Accurate Quantitative Sensing of Intracellular pH based on Self-ratiometric Upconversion Luminescent Nanoprobe. <i>Scientific Reports</i> , 2016, 6, 38617.	1.6	46
11	A SERS nano-tag-based fiber-optic strategy for in situ immunoassay in unprocessed whole blood. <i>Biosensors and Bioelectronics</i> , 2017, 92, 517-522.	5.3	38
12	Bcl-2 inhibitor uploaded upconversion nanophotosensitizers to overcome the photodynamic therapy resistance of cancer through adjuvant intervention strategy. <i>Biomaterials</i> , 2017, 144, 73-83.	5.7	38
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	Temperature-Feedback Nanoplatfom for NIR-Modal Imaging-Guided Synergistic Photothermal Therapy and CAR-NK Immunotherapy of Lung Cancer. <i>Small</i> , 2021, 17, e2101397.	5.2	38
15	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
16	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 2. Photometric properties of the regolith. <i>Geophysical Research Letters</i> , 2015, 42, 8312-8319.	1.5	33
17	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
18	One-step in situ solid-substrate-based whole blood immunoassay based on FRET between upconversion and gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 92, 335-341.	5.3	31

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19	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 1. Mineral abundances inferred from spectral reflectance. <i>Geophysical Research Letters</i> , 2015, 42, 6945-6950.	1.5	28
20	Catalysis-reduction strategy for sensing inorganic and organic mercury based on gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 92, 328-334.	5.3	27
21	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
22	Precise Photodynamic Therapy of Cancer via Subcellular Dynamic Tracing of Dual-loaded Upconversion Nanophotosensitizers. <i>Scientific Reports</i> , 2017, 7, 45633.	1.6	26
23	Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures. <i>Angewandte Chemie</i> , 2018, 130, 3108-3112.	1.6	24
24	Novel Au Catalysis Strategy for the Synthesis of Au@Pt Core-Shell Nanoelectrocatalyst with Self-Controlled Quasi-Monolayer Pt Skin. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32688-32697.	4.0	23
25	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
26	A facile and general route to synthesize silica-coated SERS tags with the enhanced signal intensity. <i>Scientific Reports</i> , 2015, 5, 14934.	1.6	21
27	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
28	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
29	Compressed energy transfer distance for remarkable enhancement of the luminescence of Nd ³⁺ -sensitized upconversion nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6597-6604.	2.7	17
30	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
31	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
32	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
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Design and Ground Verification for Multispectral Camera on the Mars Tianwen-1 Rover. <i>Space Science Reviews</i> , 2022, 218, .	3.7	6
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	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
41	Temperature analysis of Cassegrain optical antenna for space laser communication. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	3
42	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
43	Titelbild: Precisely Tailoring Upconversion Dynamics via Energy Migration in Core-Shell Nanostructures (<i>Angew. Chem.</i> 12/2018). <i>Angewandte Chemie</i> , 2018, 130, 3031-3031.	1.6	0