

Jun-le Qu

List of Publications by Year in descending order

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414
papers

14,325
citations

25031

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33889

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all docs

423
docs citations

423
times ranked

17081
citing authors

#	ARTICLE	IF	CITATIONS
1	Crucial breakthrough of second near-infrared biological window fluorophores: design and synthesis toward multimodal imaging and theranostics. <i>Chemical Society Reviews</i> , 2018, 47, 4258-4278.	38.1	737
2	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1229-1233.	13.8	505
3	Fluorescence Ratiometry and Fluorescence Lifetime Imaging: Using a Single Molecular Sensor for Dual Mode Imaging of Cellular Viscosity. <i>Journal of the American Chemical Society</i> , 2011, 133, 6626-6635.	13.7	375
4	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. <i>Chemical Reviews</i> , 2019, 119, 9559-9656.	47.7	368
5	Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability. <i>Advanced Functional Materials</i> , 2018, 28, 1705833.	14.9	348
6	Sensitivity Enhancement of Transition Metal Dichalcogenides/Silicon Nanostructure-based Surface Plasmon Resonance Biosensor. <i>Scientific Reports</i> , 2016, 6, 28190.	3.3	299
7	Biodegradable Manganese-Doped Calcium Phosphate Nanotheranostics for Traceable Cascade Reaction-Enhanced Anti-Tumor Therapy. <i>ACS Nano</i> , 2019, 13, 13985-13994.	14.6	299
8	Oriented collagen fibers direct tumor cell intravasation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11208-11213.	7.1	279
9	Precise Two-Photon Photodynamic Therapy using an Efficient Photosensitizer with Aggregation-Induced Emission Characteristics. <i>Advanced Materials</i> , 2017, 29, 1701076.	21.0	258
10	Biocompatible and biodegradable inorganic nanostructures for nanomedicine: Silicon and black phosphorus. <i>Nano Today</i> , 2019, 25, 135-155.	11.9	240
11	NIR-Triggered Phototherapy and Immunotherapy via an Antigen-Capturing Nanoplatfor for Metastatic Cancer Treatment. <i>Advanced Science</i> , 2019, 6, 1802157.	11.2	221
12	Super-resolution fluorescent materials: an insight into design and bioimaging applications. <i>Chemical Society Reviews</i> , 2016, 45, 4651-4667.	38.1	195
13	Core-Satellite Polydopamine-Gadolinium-Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1701013.	21.0	185
14	Programming cell pyroptosis with biomimetic nanoparticles for solid tumor immunotherapy. <i>Biomaterials</i> , 2020, 254, 120142.	11.4	173
15	Programmable NIR-Photothermal-Enhanced Starvation-Primed Chemodynamic Therapy using Glucose Oxidase-Functionalized Ancient Pigment Nanosheets. <i>Small</i> , 2020, 16, e2001518.	10.0	150
16	High Affinity to Skeleton Rare Earth Doped Nanoparticles for Near-Infrared II Imaging. <i>Nano Letters</i> , 2019, 19, 2985-2992.	9.1	141
17	Near-Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800466.	7.3	139
18	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 5864-5872.	14.6	136

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19	Recent advances in surface plasmon resonance imaging: detection speed, sensitivity, and portability. <i>Nanophotonics</i> , 2017, 6, 1017-1030.	6.0	128
20	Optical windows for head tissues in near-infrared and short-wave infrared regions: Approaching transcranial light applications. <i>Journal of Biophotonics</i> , 2018, 11, e201800141.	2.3	128
21	Tumor pH-responsive metastable-phase manganese sulfide nanotheranostics for traceable hydrogen sulfide gas therapy primed chemodynamic therapy. <i>Theranostics</i> , 2020, 10, 2453-2462.	10.0	120
22	BSA-bioinspired gold nanorods loaded with immunoadjuvant for the treatment of melanoma by combined photothermal therapy and immunotherapy. <i>Nanoscale</i> , 2018, 10, 21640-21647.	5.6	118
23	Antimonene: From Experimental Preparation to Practical Application. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1574-1584.	13.8	111
24	Recent Advances in Perovskite Photodetectors for Image Sensing. <i>Small</i> , 2021, 17, e2005606.	10.0	111
25	Interfacial Passivation of the p-Doped Hole-Transporting Layer Using General Insulating Polymers for High-Performance Inverted Perovskite Solar Cells. <i>Small</i> , 2018, 14, e1704007.	10.0	105
26	Fluorescent Probes for Nanoscopic Imaging of Mitochondria. <i>CheM</i> , 2019, 5, 1697-1726.	11.7	104
27	Two-Dimensional Transition Metal Dichalcogenide Enhanced Phase-Sensitive Plasmonic Biosensors: Theoretical Insight. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6282-6289.	3.1	101
28	Bandgap-Tunable Preparation of Smooth and Large Two-Dimensional Antimonene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8668-8673.	13.8	101
29	High-sensitivity strain sensor based on in-fiber rectangular air bubble. <i>Scientific Reports</i> , 2015, 5, 7624.	3.3	100
30	Nanomaterial designing strategies related to cell lysosome and their biomedical applications: A review. <i>Biomaterials</i> , 2019, 211, 25-47.	11.4	92
31	The design of room-temperature-phosphorescent carbon dots and their application as a security ink. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10605-10612.	5.5	88
32	A simple Schiff base as dual-responsive fluorescent sensor for bioimaging recognition of Zn ²⁺ and Al ³⁺ in living cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5435-5442.	5.8	87
33	General Nondestructive Passivation by 4-Fluoroaniline for Perovskite Solar Cells with Improved Performance and Stability. <i>Small</i> , 2018, 14, e1803350.	10.0	82
34	Efficient Erbium-Sensitized Core/Shell Nanocrystals for Short Wave Infrared Bioimaging. <i>Advanced Optical Materials</i> , 2018, 6, 1800690.	7.3	80
35	Exciton and trion in few-layer MoS ₂ : Thickness- and temperature-dependent photoluminescence. <i>Applied Surface Science</i> , 2020, 515, 146033.	6.1	79
36	Mitochondrial dynamics quantitatively revealed by STED nanoscopy with an enhanced squaraine variant probe. <i>Nature Communications</i> , 2020, 11, 3699.	12.8	78

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37	Multi-enzyme mimetic ultrasmall iridium nanozymes as reactive oxygen/nitrogen species scavengers for acute kidney injury management. <i>Biomaterials</i> , 2021, 271, 120706.	11.4	78
38	Dual mode monitoring probe for mitochondrial viscosity in single cell. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 685-693.	7.8	75
39	Photo-activated chemo-immunotherapy for metastatic cancer using a synergistic graphene nanosystem. <i>Biomaterials</i> , 2021, 265, 120421.	11.4	75
40	All-inorganic CsPbBr ₃ perovskite quantum dots embedded in dual-mesoporous silica with moisture resistance for two-photon-pumped plasmonic nanoLasers. <i>Nanoscale</i> , 2018, 10, 6704-6711.	5.6	74
41	High-Efficiency All-Polymer Solar Cells with Poly-Small-Molecule Acceptors Having π -Extended Units with Broad Near-IR Absorption. <i>ACS Energy Letters</i> , 2021, 6, 728-738.	17.4	74
42	Study on the effects of catalysts on the immobilization efficiency and mechanism of heavy metals during the microwave pyrolysis of sludge. <i>Waste Management</i> , 2018, 77, 131-139.	7.4	73
43	Fast fluorescence lifetime imaging techniques: A review on challenge and development. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	1.0	73
44	Biocompatible carbon dots with low-saturation-intensity and high-photobleaching-resistance for STED nanoscopy imaging of the nucleolus and tunneling nanotubes in living cells. <i>Nano Research</i> , 2019, 12, 3075-3084.	10.4	73
45	Mulberry fruit prevents LPS-induced NF- κ B/pERK/MAPK signals in macrophages and suppresses acute colitis and colorectal tumorigenesis in mice. <i>Scientific Reports</i> , 2015, 5, 17348.	3.3	72
46	Progress Report on Property, Preparation, and Application of Bi ₂ O ₂ Se. <i>Advanced Functional Materials</i> , 2020, 30, 2004480.	14.9	72
47	Enhancing Light and X-ray Charging in Persistent Luminescence Nanocrystals for Orthogonal Afterglow Anti-counterfeiting. <i>Advanced Functional Materials</i> , 2021, 31, 2009920.	14.9	72
48	Glucose-responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-like/Gas Therapy. <i>Angewandte Chemie</i> , 2017, 129, 1249-1253.	2.0	70
49	Enhanced photoluminescence of CsPbBr ₃ @Ag hybrid perovskite quantum dots. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8187-8193.	5.5	68
50	Inorganic Nanomaterials with Intrinsic Singlet Oxygen Generation for Photodynamic Therapy. <i>Advanced Science</i> , 2021, 8, e2102587.	11.2	66
51	Functionalized gold nanorods for nanomedicine: Past, present and future. <i>Coordination Chemistry Reviews</i> , 2017, 352, 15-66.	18.8	65
52	Low-saturation-intensity, High-photostability, and High-resolution STED Nanoscopy Assisted by CsPbBr ₃ Quantum Dots. <i>Advanced Materials</i> , 2018, 30, e1800167.	21.0	64
53	Improvement of red light harvesting ability and open circuit voltage of Cu:NiOx based p-i-n planar perovskite solar cells boosted by cysteine enhanced interface contact. <i>Nano Energy</i> , 2018, 45, 471-479.	16.0	64
54	Semimetal-semiconductor Transitions for Monolayer Antimonene Nanosheets and Their Application in Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1803244.	21.0	64

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55	Nanoliposomes Co-Encapsulating CT Imaging Contrast Agent and Photosensitizer for Enhanced, Imaging Guided Photodynamic Therapy of Cancer. <i>Theranostics</i> , 2019, 9, 1323-1335.	10.0	64
56	Cascade Reactions Catalyzed by Planar Metal-Organic Framework Hybrid Architecture for Combined Cancer Therapy. <i>Small</i> , 2020, 16, e2004016.	10.0	64
57	Dual-functional fluorescent molecular rotor for endoplasmic reticulum microviscosity imaging during reticulophagy. <i>Chemical Communications</i> , 2019, 55, 2453-2456.	4.1	63
58	Highly anisotropic black phosphorous-graphene hybrid architecture for ultrasensitive plasmonic biosensing: Theoretical insight. <i>2D Materials</i> , 2018, 5, 025015.	4.4	61
59	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000607.	7.6	61
60	Immunologically modified MnFe ₂ O ₄ nanoparticles to synergize photothermal therapy and immunotherapy for cancer treatment. <i>Chemical Engineering Journal</i> , 2020, 396, 125239.	12.7	59
61	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. <i>Biomaterials</i> , 2020, 251, 120088.	11.4	58
62	Tuning upconversion through a sensitizer/activator-isolated NaYF ₄ core/shell structure. <i>Nanoscale</i> , 2015, 7, 3976-3984.	5.6	57
63	ICG-Sensitized NaYF ₄ :Er Nanostructure for Theranostics. <i>Advanced Optical Materials</i> , 2018, 6, 1701142.	7.3	56
64	Redefining the photo-stability of common fluorophores with triplet state quenchers: mechanistic insights and recent updates. <i>Chemical Communications</i> , 2019, 55, 8695-8704.	4.1	54
65	Black Phosphorus Nanosheets for Mild Hyperthermia-Enhanced Chemotherapy and Chemo-Photothermal Combination Therapy. <i>Nanotheranostics</i> , 2017, 1, 208-216.	5.2	52
66	The Long Noncoding RNA LncRPT Is Regulated by PDGF-BB and Modulates the Proliferation of Pulmonary Artery Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 181-193.	2.9	52
67	Fluorescence Lifetime of Fluorescent Proteins as an Intracellular Environment Probe Sensing the Cell Cycle Progression. <i>ACS Chemical Biology</i> , 2012, 7, 1385-1392.	3.4	51
68	Bandgap-Tunable Preparation of Smooth and Large Two-Dimensional Antimonene. <i>Angewandte Chemie</i> , 2018, 130, 8804-8809.	2.0	51
69	Solution-Phase Synthesis of Few-Layer Hexagonal Antimonene Nanosheets via Anisotropic Growth. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9891-9896.	13.8	50
70	A BODIPY-based two-photon fluorescent probe validates tyrosinase activity in live cells. <i>Chemical Communications</i> , 2017, 53, 11213-11216.	4.1	49
71	Core-Shell Structured LaTaON ₂ Transformed from LaKNaTaO ₅ Plates for Enhanced Photocatalytic H ₂ Evolution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10666-10670.	13.8	49
72	Enhanced photocatalytic performance of Ag/TiO ₂ nanohybrid sensitized by black phosphorus nanosheets in visible and near-infrared light. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 1-11.	9.4	49

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73	Transplantation of Induced Pluripotent Stem Cells Improves Functional Recovery in Huntington's Disease Rat Model. <i>PLoS ONE</i> , 2014, 9, e101185.	2.5	48
74	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.	4.6	48
75	The Reproductive Toxicity of CdSe/ZnS Quantum Dots on the in vivo Ovarian Function and in vitro Fertilization. <i>Scientific Reports</i> , 2016, 6, 37677.	3.3	47
76	Resolution improvement in STED super-resolution microscopy at low power using a phasor plot approach. <i>Nanoscale</i> , 2018, 10, 16252-16260.	5.6	46
77	Optical limiting properties of a few-layer MoS ₂ /PMMA composite under excitation of ultrafast laser pulses. <i>Journal of Materials Chemistry C</i> , 2019, 7, 495-502.	5.5	46
78	Near-IR responsive nanostructures for nanobiophotonics: emerging impacts on nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 771-788.	3.3	45
79	Strong Coupling in Microcavity Structures: Principle, Design, and Practical Application. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800219.	8.7	45
80	Reactive Oxygen Species Activatable Heterodimeric Prodrug as Tumor-Selective Nanotheranostics. <i>ACS Nano</i> , 2020, 14, 16875-16886.	14.6	45
81	Review of Stimulated Raman Scattering Microscopy Techniques and Applications in the Biosciences. <i>Advanced Biology</i> , 2021, 5, e2000184.	2.5	45
82	Single Cell Assay for Molecular Diagnostics and Medicine: Monitoring Intracellular Concentrations of Macromolecules by Two-photon Fluorescence Lifetime Imaging. <i>Theranostics</i> , 2015, 5, 919-930.	10.0	44
83	Aggregation-induced near-infrared emitting platinum(II) terpyridyl complex: cellular characterisation and lysosome-specific localisation. <i>Chemical Communications</i> , 2018, 54, 11144-11147.	4.1	44
84	Single nanoparticle detection using a photonic nanojet. <i>Nanoscale</i> , 2018, 10, 14182-14189.	5.6	44
85	Emergent Field-Driven Robot Swarm States. <i>Physical Review Letters</i> , 2021, 126, 108002.	7.8	44
86	Nitric oxide release activated near-Infrared photothermal agent for synergistic tumor treatment. <i>Biomaterials</i> , 2021, 276, 121017.	11.4	44
87	Recent progress of electronic materials based on 2,1,3-benzothiadiazole and its derivatives: synthesis and their application in organic light-emitting diodes. <i>Science China Chemistry</i> , 2021, 64, 341-357.	8.2	44
88	Synergistic interventional photothermal therapy and immunotherapy using an iron oxide nanoplatform for the treatment of pancreatic cancer. <i>Acta Biomaterialia</i> , 2022, 138, 453-462.	8.3	44
89	Growth of Amorphous Passivation Layer Using Phenethylammonium Iodide for High-Performance Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900243.	5.8	43
90	Organic fluorescent probes for stochastic optical reconstruction microscopy (STORM): Recent highlights and future possibilities. <i>Coordination Chemistry Reviews</i> , 2019, 380, 17-34.	18.8	42

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91	Phasor-Fluorescence Lifetime Imaging Microscopy Analysis to Monitor Intercellular Drug Release from a pH-Sensitive Polymeric Nanocarrier. <i>Analytical Chemistry</i> , 2018, 90, 2170-2177.	6.5	41
92	Heterostructures in Two-Dimensional CdSe Nanoplatelets: Synthesis, Optical Properties, and Applications. <i>Chemistry of Materials</i> , 2020, 32, 9490-9507.	6.7	41
93	Novel Magnetic-Luminescent Janus Nanoparticles for Cell Labeling and Tumor Photothermal Therapy. <i>Small</i> , 2017, 13, 1701129.	10.0	40
94	Achieving efficient inverted perovskite solar cells with excellent electron transport and stability by employing a ladder-conjugated perylene diimide dimer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24191-24198.	10.3	40
95	In Vivo Chemoselective Photoacoustic Imaging of Copper(II) in Plant and Animal Subjects. <i>Small</i> , 2019, 15, e1803866.	10.0	40
96	Solo Smart Fluorogenic Probe for Potential Cancer Diagnosis and Tracking in Vivo Tumorous Lymphatic Systems via Distinct Emission Signals. <i>Analytical Chemistry</i> , 2020, 92, 1541-1548.	6.5	40
97	Controllable emission bands and morphologies of high-quality CsPbX ₃ perovskite nanocrystals prepared in octane. <i>Nano Research</i> , 2018, 11, 4654-4663.	10.4	39
98	Enhancing Type I Photochemistry in Photodynamic Therapy Under Near Infrared Light by Using Antenna-Fullerene Complexes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 997-1003.	1.5	39
99	Extremely Robust Gas-Quenching Deposition of Halide Perovskites on Top of Hydrophobic Hole Transport Materials for Inverted (p-n) Solar Cells by Targeting the Precursor Wetting Issue. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40172-40179.	8.0	39
100	MiR-328 targeting PIM-1 inhibits proliferation and migration of pulmonary arterial smooth muscle cells in PDGFβ signaling pathway. <i>Oncotarget</i> , 2016, 7, 54998-55011.	1.8	38
101	Phasor-FLIM as a Screening Tool for the Differential Diagnosis of Actinic Keratosis, Bowen's Disease, and Basal Cell Carcinoma. <i>Analytical Chemistry</i> , 2017, 89, 8104-8111.	6.5	38
102	MXene and black phosphorus based 2D nanomaterials in bioimaging and biosensing: progress and perspectives. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5195-5220.	5.8	38
103	Dicyanostilbene-Derived Two-Photon Fluorescence Probe for Free Zinc Ions in Live Cells and Tissues with a Large Two-Photon Action Cross Section. <i>Organic Letters</i> , 2011, 13, 1462-1465.	4.6	37
104	The microtubule associated protein syntabulin is required for glucose-stimulated and cAMP-potentiated insulin secretion. <i>FEBS Letters</i> , 2012, 586, 3674-3680.	2.8	37
105	Functionalized MoS ₂ Nanosheets as Multi-Gene Delivery Vehicles for In Vivo Pancreatic Cancer Therapy. <i>Nanotheranostics</i> , 2018, 2, 371-386.	5.2	37
106	Photonic hooks from Janus microcylinders. <i>Optics Express</i> , 2019, 27, 37771.	3.4	37
107	Coherent Anti-Stokes Raman Scattering Microscopy and Its Applications. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	37
108	Coherent optical adaptive technique improves the spatial resolution of STED microscopy in thick samples. <i>Photonics Research</i> , 2017, 5, 176.	7.0	36

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109	Free-space creation of ultralong anti-diffracting beam with multiple energy oscillations adjusted using optical pen. <i>Nature Communications</i> , 2018, 9, 5035.	12.8	36
110	Recent Advances in Self-Exciting Photodynamic Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 594491.	4.1	36
111	Low temperature synthesis of high-quality all-inorganic cesium lead halide perovskite nanocrystals in open air and their upconversion luminescence. <i>Journal of Alloys and Compounds</i> , 2018, 730, 62-70.	5.5	35
112	Percolative polymer composites for dielectric capacitors: a brief history, materials, and multilayer interface design. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18515-18537.	10.3	35
113	AIE-active two-photon fluorescent nanoprobe with NIR-II light excitability for highly efficient deep brain vasculature imaging. <i>Theranostics</i> , 2021, 11, 2137-2148.	10.0	34
114	Catalase Nanocrystals Loaded with Methylene Blue as Oxygen Self-Supplied, Imaging-Guided Platform for Photodynamic Therapy of Hypoxic Tumors. <i>Small</i> , 2021, 17, e2103569.	10.0	34
115	Aggregation-induced emission luminogen-assisted stimulated emission depletion nanoscopy for super-resolution mitochondrial visualization in live cells. <i>Nano Research</i> , 2018, 11, 6023-6033.	10.4	33
116	Red and near-infrared light evokes Ca ²⁺ influx, endoplasmic reticulum release and membrane depolarization in neurons and cancer cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 214, 112088.	3.8	33
117	Dicyanostilbene-based two-photon thermo-solvatochromic fluorescence probes with large two-photon absorption cross sections: Detection of solvent polarities, viscosities, and temperature. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 521-529.	7.8	32
118	Effect of Surface Coating of Gold Nanoparticles on Cytotoxicity and Cell Cycle Progression. <i>Nanomaterials</i> , 2018, 8, 1063.	4.1	32
119	Technique and model for modifying the saturable absorption (SA) properties of 2D nanofilms by considering interband exciton recombination. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7501-7511.	5.5	32
120	Ultra-high light confinement and ultra-long propagation distance design for integratable optical chips based on plasmonic technology. <i>Nanoscale</i> , 2019, 11, 4601-4613.	5.6	32
121	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.	3.1	32
122	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100039.	21.0	32
123	2D van der Waals Heterojunction Nanophotonic Devices: From Fabrication to Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2104260.	14.9	32
124	Prussian blue-based theranostics for ameliorating acute kidney injury. <i>Journal of Nanobiotechnology</i> , 2021, 19, 266.	9.1	32
125	Phosphatidylinositol 3-Kinase-DNA Methyltransferase 1-miR-1281-Histone Deacetylase 4 Regulatory Axis Mediates Platelet-Derived Growth Factor-Induced Proliferation and Migration of Pulmonary Artery Smooth Muscle Cells. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	31
126	Achieving NIR Emission for Donor-Acceptor Type Platinum(II) Complexes by Adjusting Coordination Position with Isomeric Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 14208-14217.	4.0	31

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127	Interface engineering with a novel n-type small organic molecule for efficient inverted perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020, 392, 123677.	12.7	31
128	A novel perylene diimide-based zwitterion as the cathode interlayer for high-performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18117-18124.	10.3	31
129	Applications of fluorescence lifetime imaging in clinical medicine. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 11, .	1.0	30
130	Support Vector Machine Classification of Nonmelanoma Skin Lesions Based on Fluorescence Lifetime Imaging Microscopy. <i>Analytical Chemistry</i> , 2019, 91, 10640-10647.	6.5	30
131	Label-free whole-colony imaging and metabolic analysis of metastatic pancreatic cancer by an autoregulating flexible optical system. <i>Theranostics</i> , 2020, 10, 1849-1860.	10.0	30
132	Cancer nanotheranostics in the second near-infrared window. <i>View</i> , 2021, 2, 20200075.	5.3	29
133	Clinically translatable gold nanozymes with broad spectrum antioxidant and anti-inflammatory activity for alleviating acute kidney injury. <i>Theranostics</i> , 2021, 11, 9904-9917.	10.0	29
134	Biodegradable Self-Assembled Ultrasmall Nanodots as Reactive Oxygen/Nitrogen Species Scavengers for Theranostic Application in Acute Kidney Injury. <i>Small</i> , 2021, 17, e2005113.	10.0	28
135	Spin Hall effect of light based on a surface plasmonic platform. <i>Nanophotonics</i> , 2021, 10, 3031-3048.	6.0	28
136	Naphthalene imide dimer as interface engineering material: An efficient strategy for achieving high-performance perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020, 395, 125062.	12.7	27
137	Deep learning autofluorescence-harmonic microscopy. <i>Light: Science and Applications</i> , 2022, 11, 76.	16.6	27
138	Halogen-doped phosphorescent carbon dots for grayscale patterning. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	27
139	Aberration correction for improving the image quality in STED microscopy using the genetic algorithm. <i>Nanophotonics</i> , 2018, 7, 1971-1980.	6.0	26
140	Cycles of protein condensation and discharge in nuclear organelles studied by fluorescence lifetime imaging. <i>Nature Communications</i> , 2019, 10, 455.	12.8	26
141	Rational design of high efficiency green to deep red/near-infrared emitting materials based on isomeric donor-acceptor chromophores. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1880-1887.	5.5	26
142	Red and near-infrared light induces intracellular Ca ²⁺ flux via the activation of glutamate N-methyl-D-aspartate receptors. <i>Journal of Cellular Physiology</i> , 2019, 234, 15989-16002.	4.1	26
143	Ultrafast Yb-Doped Fiber Laser Using Few Layers of PdS ₂ Saturable Absorber. <i>Nanomaterials</i> , 2020, 10, 2441.	4.1	26
144	An all-graphene quantum dot Förster resonance energy transfer (FRET) probe for ratiometric detection of HE4 ovarian cancer biomarker. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111458.	5.0	26

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