Jun Song

List of Publications by Year
in descending order

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206	6,708	61945	88593
papers	citations	43 h-index	70 g-index

208	208	208	8955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crucial breakthrough of second near-infrared biological window fluorophores: design and synthesis toward multimodal imaging and theranostics. Chemical Society Reviews, 2018, 47, 4258-4278.	18.7	737
2	NIRâ€Triggered Phototherapy and Immunotherapy via an Antigenâ€Capturing Nanoplatform for Metastatic Cancer Treatment. Advanced Science, 2019, 6, 1802157.	5.6	221
3	Programming cell pyroptosis with biomimetic nanoparticles for solid tumor immunotherapy. Biomaterials, 2020, 254, 120142.	5.7	173
4	High Affinity to Skeleton Rare Earth Doped Nanoparticles for Near-Infrared II Imaging. Nano Letters, 2019, 19, 2985-2992.	4.5	141
5	Nearâ€Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. Advanced Optical Materials, 2018, 6, 1800466.	3.6	139
6	In-situ crosslinked hydrogel based on amidated pectin/oxidized chitosan as potential wound dressing for skin repairing. Carbohydrate Polymers, 2021, 251, 117005.	5.1	127
7	BSA-bioinspired gold nanorods loaded with immunoadjuvant for the treatment of melanoma by combined photothermal therapy and immunotherapy. Nanoscale, 2018, 10, 21640-21647.	2.8	118
8	Antimonene: From Experimental Preparation to Practical Application. Angewandte Chemie - International Edition, 2019, 58, 1574-1584.	7.2	111
9	Recent Advances in Perovskite Photodetectors for Image Sensing. Small, 2021, 17, e2005606.	5.2	111
10	Interfacial Passivation of the pâ€Doped Holeâ€Transporting Layer Using General Insulating Polymers for Highâ€Performance Inverted Perovskite Solar Cells. Small, 2018, 14, e1704007.	5.2	105
11	Bandgapâ€Tunable Preparation of Smooth and Large Twoâ€Dimensional Antimonene. Angewandte Chemie - International Edition, 2018, 57, 8668-8673.	7.2	101
12	SERS-based ultrasensitive sensing platform: An insight into design and practical applications. Coordination Chemistry Reviews, 2017, 337, 1-33.	9.5	97
13	The design of room-temperature-phosphorescent carbon dots and their application as a security ink. Journal of Materials Chemistry C, 2019, 7, 10605-10612.	2.7	88
14	A simple Schiff base as dual-responsive fluorescent sensor for bioimaging recognition of Zn²⁺ and Al³⁺ in living cells. Journal of Materials Chemistry B, 2018, 6, 5435-5442.	2.9	87
15	Porous poly(Lâ€“lactic acid)/chitosan nanofibres for copper ion adsorption. Carbohydrate Polymers, 2020, 227, 115343.	5.1	87
16	Film-through large perovskite grains formation via a combination of sequential thermal and solvent treatment. Journal of Materials Chemistry A, 2016, 4, 8554-8561.	5.2	80
17	Hierarchical Porous Poly(<scp>l</scp>-lactic acid) Nanofibrous Membrane for Ultrafine Particulate Aerosol Filtration. ACS Applied Materials & Interfaces, 2019, 11, 46261-46268.	4.0	77
18	All-inorganic CsPbBr₃ perovskite quantum dots embedded in dual-mesoporous silica with moisture resistance for two-photon-pumped plasmonic nanoLasers. Nanoscale, 2018, 10, 6704-6711.	2.8	74

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19	High-Efficiency All-Polymer Solar Cells with Poly-Small-Molecule Acceptors Having Ï€-Extended Units with Broad Near-IR Absorption. ACS Energy Letters, 2021, 6, 728-738.	8.8	74
20	Biocompatible carbon dots with low-saturation-intensity and high-photobleaching-resistance for STED nanoscopy imaging of the nucleolus and tunneling nanotubes in living cells. Nano Research, 2019, 12, 3075-3084.	5.8	73
21	Progress Report on Property, Preparation, and Application of Bi₂O₂Se. Advanced Functional Materials, 2020, 30, 2004480.	7.8	72
22	Enhanced photoluminescence of CsPbBr₃@Ag hybrid perovskite quantum dots. Journal of Materials Chemistry C, 2017, 5, 8187-8193.	2.7	68
23	Cartilage regeneration using arthroscopic flushing fluid-derived mesenchymal stem cells encapsulated in a one-step rapid cross-linked hydrogel. Acta Biomaterialia, 2018, 79, 202-215.	4.1	65
24	Lowâ€Saturationâ€Intensity, Highâ€Photostability, and Highâ€Resolution STED Nanoscopy Assisted by CsPbBr₃ Quantum Dots. Advanced Materials, 2018, 30, e1800167.	11.1	64
25	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. Nano Energy, 2018, 45, 471-479.	8.2	64
26	Semimetalâ€“Semiconductor Transitions for Monolayer Antimonene Nanosheets and Their Application in Perovskite Solar Cells. Advanced Materials, 2018, 30, e1803244.	11.1	64
27	Nanoliposomes Co-Encapsulating CT Imaging Contrast Agent and Photosensitizer for Enhanced, Imaging Guided Photodynamic Therapy of Cancer. Theranostics, 2019, 9, 1323-1335.	4.6	64
28	Highly anisotropic black phosphorous-graphene hybrid architecture for ultrassensitive plasmonic biosensing: Theoretical insight. 2D Materials, 2018, 5, 025015.	2.0	61
29	Immunologically modified MnFe2O4 nanoparticles to synergize photothermal therapy and immunotherapy for cancer treatment. Chemical Engineering Journal, 2020, 396, 125239.	6.6	59
30	Protein-Based Nanomedicine for Therapeutic Benefits of Cancer. ACS Nano, 2021, 15, 8001-8038.	7.3	59
31	Optical trapping-assisted SERS platform for chemical and biosensing applications: Design perspectives. Coordination Chemistry Reviews, 2017, 339, 138-152.	9.5	58
32	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. Biomaterials, 2020, 251, 120088.	5.7	58
33	Halide Perovskiteâ€“Lead Chalcohalide Nanocrystal Heterostructures. Journal of the American Chemical Society, 2021, 143, 1435-1446.	6.6	55
34	Sizeâ€Transformable Nanostructures: From Design to Biomedical Applications. Advanced Materials, 2020, 32, e2003752.	11.1	52
35	Promising near-infrared plasmonic biosensor employed for specific detection of SARS-CoV-2 and its spike glycoprotein. New Journal of Physics, 2020, 22, 103046.	1.2	52
36	Bandgapâ€Tunable Preparation of Smooth and Large Twoâ€Dimensional Antimonene. Angewandte Chemie, 2018, 130, 8804-8809.	1.6	51

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37	Chiral Phosphoric Acid-Catalyzed Remote Control of Axial Chirality at Boronâ€“Carbon Bond. Journal of the American Chemical Society, 2021, 143, 12924-12929.	6.6	51
38	Solutionâ€Phase Synthesis of Fewâ€Layer Hexagonal Antimonene Nanosheets via Anisotropic Growth. Angewandte Chemie - International Edition, 2019, 58, 9891-9896.	7.2	50
39	Coreâ€“Shellâ€Structured LaTaON₂ Transformed from LaKNaTaO₅ Plates for Enhanced Photocatalytic H₂ Evolution. Angewandte Chemie - International Edition, 2019, 58, 10666-10670.	7.2	49
40	Enhanced photocatalytic performance of Ag/TiO2 nanohybrid sensitized by black phosphorus nanosheets in visible and near-infrared light. Journal of Colloid and Interface Science, 2019, 534, 1-11.	5.0	49
41	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
42	sec-Butyl alcohol assisted pinhole-free perovskite film growth for high-performance solar cells. Journal of Materials Chemistry A, 2016, 4, 3438-3445.	5.2	46
43	Near-IR responsive nanostructures for nanobiophotonics: emerging impacts on nanomedicine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 771-788.	1.7	45
44	Strong Coupling in Microcavity Structures: Principle, Design, and Practical Application. Laser and Photonics Reviews, 2019, 13, 1800219.	4.4	45
45	Aggregation-induced near-infrared emitting platinum(<scp>ii</scp>) terpyridyl complex: cellular characterisation and lysosome-specific localisation. Chemical Communications, 2018, 54, 11144-11147.	2.2	44
46	Single nanoparticle detection using a photonic nanojet. Nanoscale, 2018, 10, 14182-14189.	2.8	44
47	Recent progress of electronic materials based on 2,1,3-benzothiadiazole and its derivatives: synthesis and their application in organic light-emitting diodes. Science China Chemistry, 2021, 64, 341-357.	4.2	44
48	Growth of Amorphous Passivation Layer Using Phenethylammonium Iodide for Highâ€Performance Inverted Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900243.	3.1	43
49	Phasorâ€“Fluorescence Lifetime Imaging Microscopy Analysis to Monitor Intercellular Drug Release from a pH-Sensitive Polymeric Nanocarrier. Analytical Chemistry, 2018, 90, 2170-2177.	3.2	41
50	Heterostructures in Two-Dimensional CdSe Nanoplatelets: Synthesis, Optical Properties, and Applications. Chemistry of Materials, 2020, 32, 9490-9507.	3.2	41
51	Bandgap Engineering of Hydroxyâ€Functionalized Borophene for Superior Photoâ€Electrochemical Performance. Angewandte Chemie - International Edition, 2020, 59, 23559-23563.	7.2	41
52	Novel Magneticâ€Luminescent Janus Nanoparticles for Cell Labeling and Tumor Photothermal Therapy. Small, 2017, 13, 1701129.	5.2	40
53	A simple amide fluorescent sensor based on quinoline for selective and sensitive recognition of zinc(II) ions and bioimaging in living cells. Dyes and Pigments, 2018, 158, 312-318.	2.0	40
54	Achieving efficient inverted perovskite solar cells with excellent electron transport and stability by employing a ladder-conjugated perylene diimide dimer. Journal of Materials Chemistry A, 2019, 7, 24191-24198.	5.2	40

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55	Controlled reduction of graphene oxide laminate and its applications for ultra-wideband microwave absorption. Carbon, 2020, 160, 307-316.	5.4	40
56	Controllable emission bands and morphologies of high-quality CsPbX3 perovskite nanocrystals prepared in octane. Nano Research, 2018, 11, 4654-4663.	5.8	39
57	Extremely Robust Gas-Quenching Deposition of Halide Perovskites on Top of Hydrophobic Hole Transport Materials for Inverted (pâ€“iâ€“n) Solar Cells by Targeting the Precursor Wetting Issue. ACS Applied Materials & Interfaces, 2019, 11, 40172-40179.	4.0	39
58	Two-dimensional semiconducting antimonene in nanophotonic applications â€“ A review. Chemical Engineering Journal, 2021, 406, 126876.	6.6	38
59	Photonic hooks from Janus microcylinders. Optics Express, 2019, 27, 37771.	1.7	37
60	N-Doped Graphene Supported Cu Single Atoms: Highly Efficient Recyclable Catalyst for Enhanced Câ€“N Coupling Reactions. ACS Nano, 2022, 16, 1142-1149.	7.3	36
61	The U-box family genes in Medicago truncatula: Key elements in response to salt, cold, and drought stresses. PLoS ONE, 2017, 12, e0182402.	1.1	35
62	Low temperature synthesis of high-quality all-inorganic cesium lead halide perovskite nanocrystals in open air and their upconversion luminescence. Journal of Alloys and Compounds, 2018, 730, 62-70.	2.8	35
63	Facile synthesis of layered V2O5/ZnV2O6 heterostructures with enhanced sensing performance. Applied Surface Science, 2018, 447, 569-575.	3.1	34
64	Photoinduced Palladium-Catalyzed Intermolecular Radical Cascade Cyclization of N-Arylacrylamides with Unactivated Alkyl Bromides. Organic Letters, 2021, 23, 5631-5635.	2.4	33
65	Highâ€Performance Organic Electrochemical Transistors and Neuromorphic Devices Comprising Naphthalenediimideâ€Dialkoxybithiazole Copolymers Bearing Glycol Ether Pendant Groups. Advanced Functional Materials, 2022, 32, .	7.8	33
66	Ultra-high light confinement and ultra-long propagation distance design for integratable optical chips based on plasmonic technology. Nanoscale, 2019, 11, 4601-4613.	2.8	32
67	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacousticâ€Imagingâ€Guided Synergistic Photothermal/Immunotherapy. Advanced Materials, 2021, 33, e2100039.	11.1	32
68	2D van der Waals Heterojunction Nanophotonic Devices: From Fabrication to Performance. Advanced Functional Materials, 2021, 31, 2104260.	7.8	32
69	Achieving NIR Emission for Donorâ€“Acceptor Type Platinum(II) Complexes by Adjusting Coordination Position with Isomeric Ligands. Inorganic Chemistry, 2018, 57, 14208-14217.	1.9	31
70	Interface engineering with a novel n-type small organic molecule for efficient inverted perovskite solar cells. Chemical Engineering Journal, 2020, 392, 123677.	6.6	31
71	A novel perylene diimide-based zwitterion as the cathode interlayer for high-performance perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 18117-18124.	5.2	31
72	Facile fabrication of polyurethane microcapsules carriers for tracing cellular internalization and intracellular pH-triggered drug release. Colloids and Surfaces B: Biointerfaces, 2017, 153, 160-167.	2.5	30

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73	Spin Hall effect of light based on a surface plasmonic platform. Nanophotonics, 2021, 10, 3031-3048.	2.9	28
74	Tunable Graphene/Nitrocellulose Temperature Alarm Sensors. ACS Applied Materials & Interfaces, 2022, 14, 13790-13800.	4.0	28
75	Naphthalene imide dimer as interface engineering material: An efficient strategy for achieving high-performance perovskite solar cells. Chemical Engineering Journal, 2020, 395, 125062.	6.6	27
76	Adaptive Biosensing and Neuromorphic Classification Based on an Ambipolar Organic Mixed Ionicâ€“Electronic Conductor. Advanced Materials, 2022, 34, e2200393.	11.1	27
77	Photochemically grown silver nanodecahedra with precise tuning of plasmonic resonance. Nanoscale, 2015, 7, 12706-12712.	2.8	26
78	Fabrication of high-performance and low-hysteresis lead halide perovskite solar cells by utilizing a versatile alcohol-soluble bispyridinium salt as an efficient cathode modifier. Journal of Materials Chemistry A, 2017, 5, 17943-17953.	5.2	26
79	In-situ reduction and deposition of Ag nanoparticles on black phosphorus nanosheets co-loaded with graphene oxide as a broad spectrum photocatalyst for enhanced photocatalytic performance. Journal of Alloys and Compounds, 2018, 769, 316-324.	2.8	26
80	Rational design of high efficiency green to deep red/near-infrared emitting materials based on isomeric donorâ€“acceptor chromophores. Journal of Materials Chemistry C, 2019, 7, 1880-1887.	2.7	26
81	EcoFlex Sponge with Ultrahigh Oil Absorption Capacity. ACS Applied Materials & Interfaces, 2019, 11, 20037-20044.	4.0	26
82	Uridylation and adenylation of RNAs. Science China Life Sciences, 2015, 58, 1057-1066.	2.3	25
83	Long-wavelength excitation of carbon dots as the probe for real-time imaging of the living-cell cycle process. Sensors and Actuators B: Chemical, 2020, 311, 127891.	4.0	25
84	Ultra-compact, low-loss terahertz waveguide based on graphene plasmonic technology. 2D Materials, 2020, 7, 015016.	2.0	24
85	Hierarchical porous silk fibroin/poly(L-lactic acid) fibrous membranes towards vascular scaffolds. International Journal of Biological Macromolecules, 2021, 166, 1111-1120.	3.6	24
86	Enhanced perovskite morphology and crystallinity for high performance perovskite solar cells using a porous hole transport layer from polystyrene nanospheres. Physical Chemistry Chemical Physics, 2016, 18, 32903-32909.	1.3	23
87	Regulating the color output and simultaneously enhancing the intensity of upconversion nanoparticles via a dye sensitization strategy. Journal of Materials Chemistry C, 2019, 7, 8607-8615.	2.7	23
88	An ultrasensitive Fano resonance biosensor using two dimensional hexagonal boron nitride nanosheets: theoretical analysis. RSC Advances, 2019, 9, 29805-29812.	1.7	23
89	Ultrafast bone-like apatite formation on highly porous poly(l-lactic acid)-hydroxyapatite fibres. Materials Science and Engineering C, 2020, 116, 111168.	3.8	23
90	Revisiting the Luminescence Decay Kinetics of Energy Transfer Upconversion. Journal of Physical Chemistry Letters, 2020, 11, 3672-3680.	2.1	23

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91	Fluorescence enhancement of small squaraine dye and its two-photon excited fluorescence in long-term near-infrared I&II bioimaging. Optics Express, 2019, 27, 12360.	1.7	23
92	A Multivariateâ€Gated DNA Nanodevice for Spatioselective Imaging of Proâ€metastatic Targets in Extracellular Microenvironment. Angewandte Chemie - International Edition, 2022, 61, .	7.2	23
93	Significant field enhancements in an individual silver nanoparticle near a substrate covered with a thin gain film. Nanoscale, 2014, 6, 13994-14001.	2.8	22
94	Overstepping the upper refractive index limit to form ultra-narrow photonic nanojets. Scientific Reports, 2017, 7, 5635.	1.6	22
95	Mechanistic Investigation of Upconversion Photoluminescence in All-Inorganic Perovskite CsPbBrI₂ Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 3152-3156.	1.5	22
96	Biodegradable pH-responsive amorphous calcium carbonate nanoparticles as immunoadjuvants for multimodal imaging and enhanced photoimmunotherapy. Journal of Materials Chemistry B, 2020, 8, 8261-8270.	2.9	22
97	Soft-template assisted synthesis of hexagonal antimonene and bismuthene in colloidal solutions. Nanoscale, 2020, 12, 20945-20951.	2.8	22
98	Achieving Highâ€Performance Solutionâ€Processed Deepâ€Red/Nearâ€Infrared Organic Lightâ€Emitting Diodes with a Phenanthrolineâ€Based and Wedgeâ€Shaped Fluorophore. Advanced Electronic Materials, 2019, 5, 1800677.	2.6	22
99	Hierarchical Porous Recycled PET Nanofibers for High-Efficiency Aerosols and Virus Capturing. ACS Applied Materials & Interfaces, 2021, 13, 49380-49389.	4.0	22
100	A linear conjugated tetramer as a surface-modification layer to increase perovskite solar cell performance and stability. Journal of Materials Chemistry A, 2020, 8, 11728-11733.	5.2	21
101	Hybrid low-permittivity slot-rib plasmonic waveguide based on monolayer two dimensional transition metal dichalcogenide with ultra-high energy confinement. Optics Express, 2018, 26, 15819.	1.7	20
102	Enhancing Photoacoustic Intensity of Upconversion Nanoparticles by Photoswitchable Azobenzeneâ€Containing Polymers for Dual NIRâ€II and Photoacoustic Imaging In Vivo. Advanced Optical Materials, 2019, 7, 1900045.	3.6	20
103	Solarâ€Driven Hydrogen Generation Catalyzed by gâ€C₃N₄ with Poly(platinaynes) as Efficient Electron Donor at Low Platinum Content. Advanced Science, 2021, 8, 2002465.	5.6	20
104	Optoelectronic devices based on the integration of halide perovskites with silicon-based materials. Journal of Materials Chemistry A, 2021, 9, 20919-20940.	5.2	19
105	High strength and strain alginate fibers by a novel wheel spinning technique for knitting stretchable and biocompatible wound-care materials. Materials Science and Engineering C, 2021, 127, 112204.	3.8	19
106	NIRâ€II Jâ€Aggregated Pt(II)â€Porphyrinâ€Based Phosphorescent Probe for Tumorâ€Hypoxia Imaging. Advanced Healthcare Materials, 2022, 11, e2200467.	3.9	19
107	Breaking the diffraction barrier using coherent anti-Stokes Raman scattering difference microscopy. Optics Express, 2017, 25, 10276.	1.7	18
108	Compressed energy transfer distance for remarkable enhancement of the luminescence of Nd3+-sensitized upconversion nanoparticles. Journal of Materials Chemistry C, 2018, 6, 6597-6604.	2.7	17

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109	Self-powered photodetectors based on CsxDMA1-xPbI3 perovskite films with high detectivity and stability. Nano Energy, 2020, 71, 104611.	8.2	17
110	A New Strategy for Increasing the Efficiency of Inverted Perovskite Solar Cells to More than 21%: Highâ€Humidity Induced Selfâ€Passivation of Perovskite Films. Solar Rrl, 2020, 4, 2000149.	3.1	17
111	Gasâ€“Liquidâ€“Solid Triphase Interfacial Chemical Reactions Associated with Gas Wettability. Advanced Materials Interfaces, 2021, 8, 2001636.	1.9	17
112	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics. Nature Communications, 2022, 13, 539.	5.8	17
113	One-pot synthesis of dispersible thermally stable organic downconversion materials under DBU catalyzation for high performance hybrid-LED lamps. Green Chemistry, 2018, 20, 3557-3565.	4.6	16
114	Efficient Naphthalene Imide-Based Interface Engineering Materials for Enhancing Perovskite Photovoltaic Performance and Stability. ACS Applied Materials & Interfaces, 2020, 12, 42348-42356.	4.0	16
115	Access to Alleneâ€Containing Molecules via Enantioselective Reactions of Azolium Cumulenolate Intermediates. Angewandte Chemie - International Edition, 2021, 60, 14817-14823.	7.2	16
116	Controllable release of vascular endothelial growth factor (VEGF) by wheel spinning alginate/silk fibroin fibers for wound healing. Materials and Design, 2021, 212, 110231.	3.3	16
117	High-efficiency organic electroluminescent materials based on the Dâ€“Aâ€“D type with sterically hindered methyl groups. Journal of Materials Chemistry C, 2020, 8, 6851-6860.	2.7	15
118	Flexible Plasmonic Pressure Sensor Based on Layered Two-Dimensional Heterostructures. Journal of Lightwave Technology, 2018, 36, 5678-5684.	2.7	14
119	Preparation of low dimensional antimonene oxides and their application in Cu:NiOx based planar p-i-n perovskite solar cells. Journal of Power Sources, 2019, 435, 226819.	4.0	14
120	Novel fluorescence probe based on bright emitted carbon dots for ClOâ¯ detection in real water samples and living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118592.	2.0	14
121	Hierarchical porous poly(l-lactic acid)/SiO2 nanoparticles fibrous membranes for oil/water separation. Journal of Materials Science, 2020, 55, 16096-16110.	1.7	13
122	Ultrasensitive Surface Plasmon Resonance Biosensor Using Blue Phosphorusâ€“Graphene Architecture. Sensors, 2020, 20, 3326.	2.1	13
123	Solventâ€Additive Engineeringâ€Assisted Improvement of Interface Contact for Producing Highly Efficient Inverted Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100190.	3.1	13
124	Design of a Polarization-Insensitive Echelle Grating Demultiplexer Based on Silicon Nanophotonic Wires. IEEE Photonics Technology Letters, 2008, 20, 860-862.	1.3	12
125	Polymer-assisted room-temperature synthesis of highly luminescent perovskite nanocrystals with superior water resistance for WLED. Materials Letters, 2018, 232, 138-141.	1.3	12
126	Achieving high-resolution of 21â€‰nm for STED nanoscopy assisted by CdSe@ZnS quantum dots. Applied Physics Letters, 2020, 116, .	1.5	12

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127	Polarization performance analysis of etched diffraction grating demultiplexer using boundary element method. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 224-231.	1.9	11
128	Lithium nitrate-assisted hydrothermal synthesis of ultrathin Bi₂O₂Se nanosheets and their photoelectrochemical performance. Journal of Materials Chemistry C, 2020, 8, 14711-14717.	2.7	11
129	Bifunctional Effects of Trichloro(octyl)silane Modification on the Performance and Stability of a Perovskite Solar Cell via Microscopic Characterization Techniques. ACS Applied Energy Materials, 2020, 3, 3302-3309.	2.5	11
130	Comparison of surface-passivation ability of the BAI salt and its induced 2D perovskite for high-performance inverted perovskite solar cells. RSC Advances, 2021, 11, 23249-23258.	1.7	11
131	Noval Dual-Emission Fluorescence Carbon Dots as a Ratiometric Probe for Cu2+ and ClOâ¯ Detection. Nanomaterials, 2021, 11, 1232.	1.9	11
132	A Highly Sensitive Optical Sensor Design by Integrating a Circular-Hole Defect With an Etched Diffraction Grating Spectrometer on an Amorphous-Silicon Photonic Chip. IEEE Photonics Journal, 2012, 4, 317-326.	1.0	10
133	Green emitted CdSe@ZnS quantum dots for FLIM and STED imaging applications. Journal of Innovative Optical Health Sciences, 2019, 12, .	0.5	10
134	Virusâ€Inspired Deformable Mesoporous Nanocomposites for High Efficiency Drug Delivery. Small, 2020, 16, 1906028.	5.2	10
135	Novel fluorescent probes based on nitrogenâ€“sulfur co-doped carbon dots for chromium ion detection. New Journal of Chemistry, 2021, 45, 4828-4834.	1.4	10
136	Fast analysis method for polarization-dependent performance of a concave diffraction grating with total-internal-reflection facets. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1947.	0.8	9
137	Core-shell structured NaMnF₃: Yb, Er nanoparticles for bioimaging applications. RSC Advances, 2017, 7, 52588-52594.	1.7	9
138	Light-current-induced acceleration of degradation of methylammonium lead iodide perovskite solar cells. Journal of Power Sources, 2018, 384, 303-311.	4.0	9
139	A diketopyrrolopyrrole-based hybrid organic nanoprobe for ratiometric imaging of endogenous hypochlorite in live cells. Sensors and Actuators B: Chemical, 2020, 307, 127632.	4.0	9
140	Efficient Surface Passivation and Electron Transport Enable Low Temperature-Processed Inverted Perovskite Solar Cells with Efficiency over 20%. ACS Sustainable Chemistry and Engineering, 2020, 8, 8848-8856.	3.2	9
141	On-chip spectrometer with a circular-hole defect for optical sensing applications. Optics Express, 2012, 20, 19226.	1.7	8
142	Ultrahigh Enhancement Factor by Using a Silver Nanoshell With a Gain Core Above a Silver Substrate for Surface-Enhanced Raman Scattering at the Single-Molecule Level. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	8
143	Coreâ€“Shellâ€Structured LaTaON₂ Transformed from LaKNaTaO₅ Plates for Enhanced Photocatalytic H₂ Evolution. Angewandte Chemie, 2019, 131, 10776-10780.	1.6	8
144	Profiling of microRNAs and mRNAs in marine mussel Mytilus galloprovincialis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 230, 108697.	1.3	8

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145	Monitoring the Cellular Delivery of Doxorubicinâ€“Cu Complexes in Cells by Fluorescence Lifetime Imaging Microscopy. Journal of Physical Chemistry A, 2020, 124, 4235-4240.	1.1	8
146	A novel colorimetric immunoassay based on enzyme-regulated instant generation of Turnbull's blue for the sensitive determination of ochratoxin A. Analyst, The, 2020, 145, 2420-2424.	1.7	8
147	Low-threshold stimulated emission in perovskite quantum dots: single-exciton optical gain induced by surface plasmon polaritons at room temperature. Journal of Materials Chemistry C, 2020, 8, 5847-5855.	2.7	8
148	Conjugated polyelectrolyte doped perovskite films with enhanced photovoltaic performance and stability. Chemical Engineering Journal, 2021, 417, 128068.	6.6	8
149	Realization of ultra-flat perovskite films with surprisingly large-grain distribution using high-pressure cooking. Chemical Engineering Journal, 2022, 445, 136803.	6.6	8
150	Lanthanide-doped Na 3 ZrF 7 upconversion nanoparticles synthesized by a facile method. Journal of Alloys and Compounds, 2016, 658, 914-919.	2.8	7
151	A Study on Technology Competition of Graphene Biomedical Technology Based on Patent Analysis. Applied Sciences (Switzerland), 2019, 9, 2613.	1.3	7
152	Fluorescence life-time imaging microscopy (FLIM) monitors tumor cell death triggered by photothermal therapy with MoS2 nanosheets. Journal of Innovative Optical Health Sciences, 2019, 12, 1940002.	0.5	7
153	Achieving efficient green-solvent-processed organic solar cells by employing ortho-ortho perylene diimide dimer. Organic Electronics, 2020, 83, 105732.	1.4	7
154	2-Methylimidazole-modulated UiO-66 as an effective photocatalyst to degrade Rhodamine B under visible light. Journal of Materials Science, 2021, 56, 1577-1589.	1.7	7
155	Facile Synthesis of Green Fluorescent Carbon Dots and Their Application to Fe3+ Detection in Aqueous Solutions. Nanomaterials, 2022, 12, 1487.	1.9	7
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