

Yang-Fang Chen

List of Publications by Year in descending order

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187
papers

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citations

76196

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114278

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docs citations

192
times ranked

8368
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing photoluminescence quenching and photoelectric properties of CdSe quantum dots with hole accepting ligands. <i>Journal of Materials Chemistry</i> , 2008, 18, 675.	6.7	229
2	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. <i>Advanced Materials</i> , 2009, 21, 172-177.	11.1	196
3	Photovoltaic Performance of Vapor-Assisted Solution-Processed Layer Polymorph of Cs ₃ Sb ₂ I ₉ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2566-2573.	4.0	137
4	Synthesis and Characterization of Core-Shell GaP@GaN and GaN@GaP Nanowires. <i>Nano Letters</i> , 2003, 3, 537-541.	4.5	136
5	Plant leaf-derived graphene quantum dots and applications for white LEDs. <i>New Journal of Chemistry</i> , 2014, 38, 4946-4951.	1.4	134
6	Extraordinarily Sensitive and Low-Voltage Operational Cloth-Based Electronic Skin for Wearable Sensing and Multifunctional Integration Uses: A Tactile-Induced Insulating-to-Conducting Transition. <i>Advanced Functional Materials</i> , 2016, 26, 1286-1295.	7.8	134
7	High photocurrent gain in SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2008, 93, 112115.	1.5	101
8	Bi-hierarchical nanostructures of donor-acceptor copolymer and fullerene for high efficient bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 1938.	15.6	101
9	Electrical-Polarization-Induced Ultrahigh Responsivity Photodetectors Based on Graphene and Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 620-628.	7.8	98
10	Electrically Driven White Light Emission from Intrinsic Metal-Organic Framework. <i>ACS Nano</i> , 2016, 10, 8366-8375.	7.3	93
11	Highly Stretchable and Sensitive Photodetectors Based on Hybrid Graphene and Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 466-471.	4.0	86
12	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , 2017, 29, 1703549.	11.1	85
13	A Highly Sensitive Graphene-Organic Hybrid Photodetector with a Piezoelectric Substrate. <i>Advanced Functional Materials</i> , 2014, 24, 6818-6825.	7.8	84
14	Double side electroluminescence from p-NiO/n-ZnO nanowire heterojunctions. <i>Applied Physics Letters</i> , 2009, 95, 131117.	1.5	82
15	Ultra-Thin Layered Ternary Single Crystals [Sn(S _x Se _{1-x}) ₂] with Bandgap Engineering for High Performance Phototransistors on Versatile Substrates. <i>Advanced Functional Materials</i> , 2016, 26, 3630-3638.	7.8	77
16	Stretchable organic memory: toward learnable and digitized stretchable electronic applications. <i>NPG Asia Materials</i> , 2014, 6, e87-e87.	3.8	74
17	Lead-Free Antimony-Based Light-Emitting Diodes through the Vapor-Anion-Exchange Method. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35088-35094.	4.0	74
18	Semiconductor Behavior of a Three-Dimensional Strontium-Based Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22767-22774.	4.0	71

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19	Enhancing the efficiency of perovskite solar cells using mesoscopic zinc-doped TiO ₂ as the electron extraction layer through band alignment. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16920-16931.	5.2	71
20	Graphene Sandwich Stable Perovskite Quantum-Dot Light-Emissive Ultrasensitive and Ultrafast Broadband Vertical Phototransistors. <i>ACS Nano</i> , 2019, 13, 12540-12552.	7.3	69
21	Rewritable, Moldable, and Flexible Sticker-Type Organic Memory on Arbitrary Substrates. <i>Advanced Functional Materials</i> , 2014, 24, 1430-1438.	7.8	67
22	A White Random Laser. <i>Scientific Reports</i> , 2018, 8, 2720.	1.6	65
23	Self-polarized spin-nanolasers. <i>Nature Nanotechnology</i> , 2014, 9, 845-850.	15.6	63
24	Highly Sensitive, Visible Blind, Wearable, and Omnidirectional Near-Infrared Photodetectors. <i>ACS Nano</i> , 2018, 12, 9596-9607.	7.3	62
25	Transparent, Wearable, Broadband, and Highly Sensitive Upconversion Nanoparticles and Graphene-Based Hybrid Photodetectors. <i>ACS Photonics</i> , 2018, 5, 2336-2347.	3.2	59
26	Trapped Photons Induced Ultrahigh External Quantum Efficiency and Photoresponsivity in Hybrid Graphene/Metal-Organic Framework Broadband Wearable Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1804802.	7.8	59
27	Effects of cathode buffer layers on the efficiency of bulk-heterojunction solar cells. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	58
28	Biologically inspired flexible quasi-single-mode random laser: An integration of <i>Pieris canidia</i> butterfly wing and semiconductors. <i>Scientific Reports</i> , 2014, 4, 6736.	1.6	57
29	Facile synthesis of wurtzite copper-zinc-tin sulfide nanocrystals from plasmonic djurleite nuclei. <i>Journal of Materials Chemistry A</i> , 2013, 1, 337-341.	5.2	56
30	Stretchable Random Lasers with Tunable Coherent Loops. <i>ACS Nano</i> , 2015, 9, 12436-12441.	7.3	56
31	p-Si nanowires/SiO ₂ /n-ZnO heterojunction photodiodes. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	55
32	A Highly-Efficient Single Segment White Random Laser. <i>ACS Nano</i> , 2018, 12, 11847-11859.	7.3	51
33	Synthesis, optical and photovoltaic properties of bismuth sulfide nanorods. <i>CrystEngComm</i> , 2012, 14, 3645.	1.3	49
34	Preparation of metal halide perovskite solar cells through a liquid droplet assisted method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9257-9263.	5.2	47
35	Infrared lasing in InN nanobelts. <i>Applied Physics Letters</i> , 2007, 90, 123109.	1.5	46
36	Low operation voltage macromolecular composite memory assisted by graphene nanoflakes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 552-559.	2.7	46

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37	Facile Fabrication of Self-Assembly Functionalized Polythiophene Hole Transporting Layer for High Performance Perovskite Solar Cells. <i>Advanced Science</i> , 2021, 8, 2002718.	5.6	46
38	Enhancing the efficiency of low bandgap conducting polymer bulk heterojunction solar cells using P3HT as a morphology control agent. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2447.	5.2	44
39	Multifunctionality of Giant and Long-Lasting Persistent Photoconductivity: Semiconductor-Insulator Transition in Graphene Nanosheets and Amorphous InGaZnO Hybrids. <i>ACS Photonics</i> , 2015, 2, 1057-1064.	3.2	41
40	Dissolvable and Recyclable Random Lasers. <i>ACS Nano</i> , 2017, 11, 7600-7607.	7.3	41
41	Polarization-dependent confocal Raman microscopy of an individual ZnO nanorod. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	40
42	Color-Tunable Light-Emitting Device Based on the Mixture of CdSe Nanorods and Dots Embedded in Liquid-Crystal Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7995-7998.	1.5	39
43	Diketopyrrolopyrrole-based oligomer modified TiO ₂ nanorods for air-stable and all solution processed poly(3-hexylthiophene):TiO ₂ bulk heterojunction inverted solar cell. <i>Journal of Materials Chemistry</i> , 2012, 22, 10589.	6.7	39
44	Ultrahigh-gain single SnO ₂ nanowire photodetectors made with ferromagnetic nickel electrodes. <i>NPG Asia Materials</i> , 2012, 4, e26-e26.	3.8	38
45	High-performance transparent and flexible inorganic thin film transistors: a facile integration of graphene nanosheets and amorphous InGaZnO. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5064.	2.7	38
46	Photo-Kelvin probe force microscopy for photocatalytic performance characterization of single filament of TiO ₂ nanofiber photocatalysts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5715.	5.2	37
47	Nanoscale morphology and performance of molecular-weight-dependent poly(3-hexylthiophene)/TiO ₂ nanorod hybrid solar cells. <i>Journal of Materials Chemistry</i> , 2008, 18, 4097.	6.7	36
48	Enhanced charge transport in hybrid polymer/ZnO-nanorod solar cells assisted by conductive small molecules. <i>Journal of Materials Chemistry</i> , 2012, 22, 15726.	6.7	36
49	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. <i>Advanced Optical Materials</i> , 2018, 6, 1800382.	3.6	35
50	Continuous broadband emission from a metal-organic framework as a human-friendly white light source. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4728-4732.	2.7	34
51	Efficient molecular solar cells processed from green solvent mixtures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 571-582.	5.2	34
52	Integration of Nanoscale Light Emitters and Hyperbolic Metamaterials: An Efficient Platform for the Enhancement of Random Laser Action. <i>ACS Photonics</i> , 2018, 5, 718-727.	3.2	34
53	Ultrahigh Sensitive and Flexible Magnetoelectronics with Magnetic Nanocomposites: Toward an Additional Perception of Artificial Intelligence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17393-17400.	4.0	34
54	Self-Powered, Self-Healed, and Shape-Adaptive Ultraviolet Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9755-9765.	4.0	34

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55	Highly Stretchable Label-like Random Laser on Universal Substrates. <i>Advanced Materials Technologies</i> , 2016, 1, 1600068.	3.0	33
56	Magnetically Controllable Random Lasers. <i>Advanced Materials Technologies</i> , 2017, 2, 1700170.	3.0	32
57	Energetically Autonomous, Wearable, and Multifunctional Sensor. <i>ACS Sensors</i> , 2018, 3, 113-120.	4.0	32
58	Modulating Performance and Stability of Inorganic Lead-Free Perovskite Solar Cells via Lewis-Pair Mediation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32649-32657.	4.0	32
59	Graphene-lead zirconate titanate optothermal field effect transistors. <i>Applied Physics Letters</i> , 2012, 100, 113507.	1.5	31
60	A graphene-based surface plasmon sensor. <i>Nano Research</i> , 2012, 5, 695-702.	5.8	31
61	A Bi-Anti-Ambipolar Field Effect Transistor. <i>ACS Nano</i> , 2021, 15, 8686-8693.	7.3	30
62	Dirac point induced ultralow-threshold laser and giant optoelectronic quantum oscillations in graphene-based heterojunctions. <i>Nature Communications</i> , 2017, 8, 256.	5.8	27
63	Efficient Light Harvesting by Well-Aligned In ₂ O ₃ Nanopushpins as Antireflection Layer on Si Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13083-13087.	1.5	26
64	Electrically Pumped White-Light-Emitting Diodes Based on Histidine-Doped MoS ₂ Quantum Dots. <i>Small</i> , 2019, 15, e1901908.	5.2	26
65	Resonant Energy Transfer between CdSe/ZnS Type I and CdSe/ZnTe Type II Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15548-15552.	1.5	22
66	Graphene/SiO ₂ /p-GaN Diodes: An Advanced Economical Alternative for Electrically Tunable Light Emitters. <i>Advanced Functional Materials</i> , 2013, 23, 4043-4048.	7.8	22
67	Plasmonic Carbon-Dot-Decorated Nanostructured Semiconductors for Efficient and Tunable Random Laser Action. <i>ACS Applied Nano Materials</i> , 2018, 1, 152-159.	2.4	22
68	Transient and Flexible Photodetectors. <i>ACS Applied Nano Materials</i> , 2018, 1, 5092-5100.	2.4	22
69	Hybrid Optical/Electric Memristor for Light-Based Logic and Communication. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4649-4653.	4.0	22
70	Electrically and Optically Readable Light Emitting Memories. <i>Scientific Reports</i> , 2014, 4, 5121.	1.6	21
71	Wurtzite spin lasers. <i>Physical Review B</i> , 2017, 95, .	1.1	21
72	Ultrahigh-Performance Self-Powered Flexible Photodetector Driven from Photogating, Piezo-Phototronic, and Ferroelectric Effects. <i>Advanced Optical Materials</i> , 2020, 8, 1901334.	3.6	21

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73	Coherent Förster resonance energy transfer: A new paradigm for electrically driven quantum dot random lasers. <i>Science Advances</i> , 2020, 6, .	4.7	21
74	Self-Sufficient and Highly Efficient Gold Sandwich Upconversion Nanocomposite Lasers for Stretchable and Bio-applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19840-19854.	4.0	21
75	Enhancing the Photoelectrochemical Hydrogen Evolution Reaction through Nanoscrolling of Two-Dimensional Material Heterojunctions. <i>ACS Nano</i> , 2022, 16, 5743-5751.	7.3	21
76	Enhancing organic-inorganic hybrid solar cell efficiency using rod-coil diblock polymer additive. <i>Journal of Materials Chemistry A</i> , 2013, 1, 665-670.	5.2	20
77	Synthesis, characterization and photovoltaic properties of poly(cyclopentadithiophene-alt-isoidigo). <i>Polymer Chemistry</i> , 2013, 4, 5351.	1.9	20
78	Inkjet-Printed Random Lasers. <i>Advanced Materials Technologies</i> , 2018, 3, 1800214.	3.0	20
79	Intrinsic Ultralow-Threshold Laser Action from Rationally Molecular Design of Metal-Organic Framework Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36485-36495.	4.0	20
80	Enhanced ultraviolet electroluminescence from ZnO nanowires in TiO ₂ /ZnO coaxial nanowires/poly(3,4-ethylenedioxythiophene)-poly(styrene-sulfonate) heterojunction. <i>Journal of Applied Physics</i> , 2010, 107, 034310.	1.1	19
81	Broad band plasmonic nanomaterials for high performance solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 513-520.	2.7	19
82	Highly Reliable and Sensitive Tactile Transistor Memory. <i>Advanced Electronic Materials</i> , 2017, 3, 1600548.	2.6	19
83	Whispering Gallery Mode Lasing from Self-Assembled Hexagonal Perovskite Single Crystals and Porous Thin Films Decorated by Dielectric Spherical Resonators. <i>ACS Photonics</i> , 2017, 4, 146-155.	3.2	19
84	Unprecedented random lasing in 2D organolead halide single-crystalline perovskite microrods. <i>Nanoscale</i> , 2020, 12, 18269-18277.	2.8	19
85	Electrical manipulation of magnetic anisotropy in the composite of liquid crystals and ferromagnetic nanorods. <i>Applied Physics Letters</i> , 2008, 93, 013108.	1.5	18
86	Enhanced charge extraction in inverted hybrid photovoltaic cells assisted by graphene nanoflakes. <i>Journal of Materials Chemistry</i> , 2011, 21, 17462.	6.7	18
87	All-marine based random lasers. <i>Organic Electronics</i> , 2018, 62, 209-215.	1.4	18
88	Multifunctional Random-Laser Smart Inks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49122-49129.	4.0	18
89	High-performance organic nano-floating-gate memory devices based on graphite nanocrystals as charge-trapping elements and high-k Ta ₂ O ₅ as a controlled gate dielectric. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5342.	2.7	17
90	Electrically Driven Random Laser Memory. <i>Advanced Functional Materials</i> , 2015, 25, 4058-4063.	7.8	17

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91	Transient and Flexible Hyperbolic Metamaterials on Freeform Surfaces. <i>Scientific Reports</i> , 2018, 8, 9469.	1.6	17
92	Sn-Doping Enhanced Ultrahigh Mobility In _{1-x} Sn _x Se Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24269-24278.	4.0	17
93	Half-Metallic Property Induced by Double Exchange Interaction in the Double Perovskite Bi ₂ B ₂ O ₆ (B, B ²⁺) Tj ETQq1 1 0.784314	1.3	17
94	Enhanced Emission of (In, Ga) Nitride Nanowires Embedded with Self-Assembled Quantum Dots. <i>Advanced Functional Materials</i> , 2008, 18, 938-942.	7.8	16
95	Integration of Nanoscale and Macroscale Graphene Heterostructures for Flexible and Multilevel Nonvolatile Photoelectronic Memory. <i>ACS Applied Nano Materials</i> , 2020, 3, 608-616.	2.4	16
96	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1152-1157.	4.0	16
97	High-Efficiency InGaN/GaN Core-Shell Nanorod Light-Emitting Diodes With Low-Peak Blueshift and Efficiency Droop. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 355-358.	1.1	15
98	Self-Healing Nanophotonics: Robust and Soft Random Lasers. <i>ACS Nano</i> , 2019, 13, 8977-8985.	7.3	14
99	Heavy Mediator at Quantum Dot/Graphene Heterojunction for Efficient Charge Carrier Transfer: Alternative Approach for High-Performance Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26518-26527.	4.0	14
100	QD/2D Hybrid Nanoscrolls: A New Class of Materials for High-Performance Polarized Photodetection and Ultralow Threshold Laser Action. <i>Small</i> , 2020, 16, e2003944.	5.2	14
101	Modulating Charge Separation with Hexagonal Boron Nitride Mediation in Vertical Van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26213-26221.	4.0	14
102	2D Material-Enabled Nanomechanical Bolometer. <i>Nano Letters</i> , 2020, 20, 2326-2331.	4.5	14
103	Ultrafast and Ultrasensitive Gas Sensors Derived from a Large Fermi-Level Shift in the Schottky Junction with Sieve-Layer Modulation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17382-17388.	4.0	13
104	Ultra-high performance flexible piezopotential gated In _{1-x} Sn _x Se phototransistor. <i>Nanoscale</i> , 2018, 10, 18642-18650.	2.8	13
105	Achieving High-Performance Perovskite Photovoltaic by Morphology Engineering of Low-Temperature Processed Zn-Doped TiO ₂ Electron Transport Layer. <i>Small</i> , 2020, 16, 2002201.	5.2	13
106	Giant enhancement of inverted polymer solar cells efficiency by manipulating dual interlayers with integrated approaches. <i>RSC Advances</i> , 2015, 5, 1549-1556.	1.7	12
107	Diverse Functionalities of Vertically Stacked Graphene/Single layer n-MoS ₂ /SiO ₂ /p-GaN Heterostructures. <i>Scientific Reports</i> , 2017, 7, 10002.	1.6	12
108	3D Printed Random Lasers. <i>Advanced Materials Technologies</i> , 2020, 5, 1900742.	3.0	12

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109	Nanolayered Graphene/Hexagonal Boron Nitride/n-AlGaIn Heterostructures as Solar-Blind Deep-Ultraviolet Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 7595-7603.	2.4	12
110	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102196.	7.8	12
111	Fabrication and optical properties of periodical structures based on a water-developable and tunable La _{0.7} Sr _{0.3} MnO ₃ resist. <i>Journal of Materials Chemistry</i> , 2008, 18, 780.	6.7	11
112	Direct observation of two-step polarization reversal by an opposite field in a substrate-free piezoelectric thin sheet. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	11
113	Residue-free fabrication of high-performance graphene devices by patterned PMMA stencil mask. <i>AIP Advances</i> , 2014, 4, .	0.6	11
114	Environment-insensitive and gate-controllable photocurrent enabled by bandgap engineering of MoS ₂ junctions. <i>Scientific Reports</i> , 2017, 7, 44768.	1.6	11
115	All Organic Label-like Copper(II) Ions Fluorescent Film Sensors with High Sensitivity and Stretchability. <i>ACS Sensors</i> , 2018, 3, 99-105.	4.0	11
116	Ultrahighly Photosensitive and Highly Stretchable Rippled Structure Photodetectors Based on Perovskite Nanocrystals and Graphene. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1517-1526.	2.0	11
117	Nanoscale Core-Shell Hyperbolic Structures for Ultralow Threshold Laser Action: An Efficient Platform for the Enhancement of Optical Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1163-1173.	4.0	11
118	A thermal emitter with selective wavelength: Based on the coupling between photonic crystals and surface plasmon polaritons. <i>Journal of Applied Physics</i> , 2009, 105, 033505.	1.1	10
119	Probing Multiscale Collagenous Tissue by Nonlinear Microscopy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2825-2831.	2.6	10
120	Single-Molecule-Based Electroluminescent Device as Future White Light Source. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4084-4092.	4.0	10
121	Interactive Color-Changing Electronic Skin Based on Flexible and Piezoelectrically Tunable Quantum Dots Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901715.	3.6	10
122	Self-assembled polar hole-transport monolayer for high-performance perovskite photodetectors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5190-5197.	2.7	10
123	Room-temperature nanolaser from CdSe nanotubes embedded in anodic aluminum oxide nanocavity arrays. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	9
124	Improving the thermoelectric performance of metastable rock-salt GeTe-rich Ge-Sb-Te thin films through tuning of grain orientation and vacancies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 3122-3129.	0.8	9
125	Generation of Silver Metal Nanocluster Random Lasing. <i>ACS Photonics</i> , 2021, 8, 3051-3060.	3.2	9
126	Highly Efficient Photodetection in Metal Nanocluster/Graphene Heterojunctions. <i>ACS Photonics</i> , 2021, 8, 2955-2965.	3.2	9

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127	Liquid crystals driven by CdSe semiconductor. Journal of Applied Physics, 2006, 100, 024516.	1.1	8
128	Chiral angle dependence of resonance window widths in (2n+m) families of single-walled carbon nanotubes. Applied Physics Letters, 2010, 96, .	1.5	8
129	Effect of Lorentz local field for optical second order nonlinear susceptibility in ZnO nanorod. Journal of Applied Physics, 2012, 111, 103112.	1.1	8
130	Porphyrin dimers as donors for solution-processed bulk heterojunction organic solar cells. RSC Advances, 2016, 6, 60626-60632.	1.7	8
131	Enhanced laser action from smart fabrics made with rollable hyperbolic metamaterials. Npj Flexible Electronics, 2020, 4, .	5.1	8
132	Characterization of nonlinear absorption of InN epitaxial films with femtosecond pulsed transmission Z-scan measurements. Journal of Applied Physics, 2009, 105, 066101.	1.1	7
133	Mode Control of Random Laser Action Assisted by Whispering-Gallery-Mode Resonance. ACS Photonics, 2014, 1, 1258-1263.	3.2	7
134	An ultra-fast two-terminal organic phototransistor with vertical topology for information technologies. Applied Physics Letters, 2019, 114, .	1.5	7
135	Photo-curable Ion-enhanced Fluorinated Elastomers for Pressure-sensitive Textiles. Advanced Intelligent Systems, 2020, 2, 1900180.	3.3	7
136	Magnetically controllable and flexible phototransistor for artificial intelligent skin with additional perception. Organic Electronics, 2020, 85, 105849.	1.4	7
137	Stretchable and Broadband Cavity-free Lasers Based on All 2D Metamaterials. Advanced Optical Materials, 2020, 8, 1901326.	3.6	7
138	Optically Encodable and Erasable Multilevel Nonvolatile Flexible Memory Device Based on Metal-Organic Frameworks. ACS Applied Materials & Interfaces, 2022, 14, 26895-26903.	4.0	7
139	Early development of cutaneous cancer revealed by intravital nonlinear optical microscopy. Applied Physics Letters, 2010, 97, 113702.	1.5	6
140	Efficient Charge Transfer and Carrier Extraction in All-Polymer Solar Cells Using an Acceptor Filler. ACS Applied Energy Materials, 2020, 3, 4217-4225.	2.5	6
141	Phosphor-Free Electrically Driven White Light Emission from Nanometer-Thick Barium-Organic Framework Films. ACS Applied Nano Materials, 2021, 4, 2395-2403.	2.4	6
142	Optical Detection of Glucose Based on a Composite Consisting of Enzymatic ZnO Nanorods and InGaN/GaN Multiple Quantum Wells. Journal of Physical Chemistry C, 2011, 115, 14664-14667.	1.5	5
143	Size effects on phonon localization and Raman enhancement in silicon nanotips. Journal of Raman Spectroscopy, 2013, 44, 81-85.	1.2	5
144	Biologically inspired band-edge laser action from semiconductor with dipole-forbidden band-gap transition. Scientific Reports, 2015, 5, 8965.	1.6	5

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145	High-Performance Light-Emitting Memories: Multifunctional Devices for Unveiling Information by Optical and Electrical Detection. <i>Advanced Optical Materials</i> , 2016, 4, 1744-1749.	3.6	5
146	Rippled Metallic-Nanowire/Graphene/Semiconductor Nanostack for a Gate-Tunable Ultrahigh-Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 2000859.	3.6	5
147	Three-dimensional nucleus-to-cytoplasm ratios provide better discrimination of normal and lung adenocarcinoma cells than in two dimensions. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	5
148	Label-free discrimination of normal and pulmonary cancer tissues using multiphoton fluorescence ratiometric microscopy. <i>Applied Physics Letters</i> , 2010, 97, 043706.	1.5	4
149	Application of Supramolecular Assembly of Porphyrin Dimers for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20084-20092.	1.5	4
150	Ultralow Threshold Cavity-Free Laser Induced by Total Internal Reflection. <i>ACS Omega</i> , 2020, 5, 18551-18556.	1.6	4
151	Excess Random Laser Action in Memories for Hybrid Optical/Electric Logic. <i>ACS Applied Electronic Materials</i> , 2020, 2, 954-961.	2.0	4
152	Anderson Localization Enabled Spectrally Stable Deep-Ultraviolet Laser Based on Metallic Nanoparticle Decorated AlGaN Multiple Quantum Wells. <i>ACS Nano</i> , 2021, 15, 330-337.	7.3	4
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