

Yang-Fang Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175
papers

3,949
citations

37
h-index

55
g-index

192
ext. papers

4,586
ext. citations

7.9
avg, IF

5.4
L-index

#	Paper	IF	Citations
175	Dynamic development of the extracellular matrix in chick cornea.. <i>Journal of Biophotonics</i> , 2022 , e202106210	2.1	0
174	Efficient light-confinement in heterostructured transition metal dichalcogenide-based nanoscrolls for high-performance photonic devices. <i>Journal of Materials Research</i> , 2022 , 37, 660-669	2.5	0
173	Chemical vapor deposition merges MoS grains into high-quality and centimeter-scale films on Si/SiO.. <i>RSC Advances</i> , 2022 , 12, 5990-5996	3.7	1
172	All-carbon stretchable and cavity-free white lasers. <i>Optics Express</i> , 2022 , 30, 20213	3.3	0
171	Comments on "Cell regulation of collagen fibril macrostructure during corneal morphogenesis" by Koudouna et al. <i>Acta Biomaterialia</i> , 2021 , 136, 592-593	10.8	0
170	A Transferrable, Adaptable, Free-Standing, and Water-Resistant Hyperbolic Metamaterial. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49224-49231	9.5	1
169	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1152-1157	9.5	4
168	Phosphor-Free Electrically Driven White Light Emission from Nanometer-Thick Barium Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2395-2403	5.6	3
167	A Bi-Anti-Ambipolar Field Effect Transistor. <i>ACS Nano</i> , 2021 , 15, 8686-8693	16.7	11
166	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021 , 31, 2102196	15.6	1
165	Anderson Localization Enabled Spectrally Stable Deep-Ultraviolet Laser Based on Metallic Nanoparticle Decorated AlGaIn Multiple Quantum Wells. <i>ACS Nano</i> , 2021 , 15, 330-337	16.7	1
164	Self-assembled polar hole-transport monolayer for high-performance perovskite photodetectors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5190-5197	7.1	6
163	Facile Fabrication of Self-Assembly Functionalized Polythiophene Hole Transporting Layer for High Performance Perovskite Solar Cells. <i>Advanced Science</i> , 2021 , 8, 2002718	13.6	19
162	Modulating Charge Separation with Hexagonal Boron Nitride Mediation in Vertical Van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26213-26221	9.5	12
161	Graphene Insulator Semiconductor Ultraviolet Light-Responsive Nitride LEDs for Multi-Applications. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2104-2112	4	1
160	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	9.5	12
159	2D Material-Enabled Nanomechanical Bolometer. <i>Nano Letters</i> , 2020 , 20, 2326-2331	11.5	7

158	Excess Random Laser Action in Memories for Hybrid Optical/Electric Logic. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 954-961	4	2
157	Magnetically controllable and flexible phototransistor for artificial intelligent skin with additional perception. <i>Organic Electronics</i> , 2020 , 85, 105849	3.5	2
156	Self-Powered, Self-Healed, and Shape-Adaptive Ultraviolet Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9755-9765	9.5	17
155	Interactive Color-Changing Electronic Skin Based on Flexible and Piezoelectrically Tunable Quantum Dots Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020 , 8, 1901715	8.1	3
154	Stretchable and Broadband Cavity-Free Lasers Based on All 2D Metamaterials. <i>Advanced Optical Materials</i> , 2020 , 8, 1901326	8.1	3
153	Efficient Charge Transfer and Carrier Extraction in All-Polymer Solar Cells Using an Acceptor Filler. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4217-4225	6.1	3
152	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	9.5	10
151	Photo-Curable Ion-Enhanced Fluorinated Elastomers for Pressure-Sensitive Textiles. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2070041	6	1
150	Quantification of collagen structural changes during chick corneal development. <i>Journal of Biophotonics</i> , 2020 , 13, e201900144	3.1	3
149	Integration of Nanoscale and Macroscale Graphene Heterostructures for Flexible and Multilevel Nonvolatile Photoelectronic Memory. <i>ACS Applied Nano Materials</i> , 2020 , 3, 608-616	5.6	10
148	Ultrahigh-Performance Self-Powered Flexible Photodetector Driven from Photogating, Piezo-Phototronic, and Ferroelectric Effects. <i>Advanced Optical Materials</i> , 2020 , 8, 1901334	8.1	12
147	3D Printed Random Lasers. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900742	6.8	6
146	Coherent Föster resonance energy transfer: A new paradigm for electrically driven quantum dot random lasers. <i>Science Advances</i> , 2020 , 6,	14.3	11
145	Multifunctional Random-Laser Smart Inks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49122-49129	9.5	7
144	Multilevel Optical Labeling by Spectral Luminescence Control in Nanodiamond Color Centers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49006-49011	9.5	1
143	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	11	3
142	Ultralow Threshold Cavity-Free Laser Induced by Total Internal Reflection. <i>ACS Omega</i> , 2020 , 5, 18551-18556	9.56	1
141	Rippled Metallic-Nanowire/Graphene/Semiconductor Nanostack for a Gate-Tunable Ultrahigh-Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020 , 8, 2000859	8.1	3

140	Intrinsic Ultralow-Threshold Laser Action from Rationally Molecular Design of Metal-Organic Framework Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36485-36495	9.5	13
139	Photo-Curable Ion-Enhanced Fluorinated Elastomers for Pressure-Sensitive Textiles. <i>Advanced Intelligent Systems</i> , 2020 , 2, 1900180	6	5
138	Unprecedented random lasing in 2D organolead halide single-crystalline perovskite microrods. <i>Nanoscale</i> , 2020 , 12, 18269-18277	7.7	10
137	Nanolayered Graphene/Hexagonal Boron Nitride/n-AlGaIn Heterostructures as Solar-Blind Deep-Ultraviolet Photodetectors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7595-7603	5.6	2
136	Achieving High-Performance Perovskite Photovoltaic by Morphology Engineering of Low-Temperature Processed Zn-Doped TiO Electron Transport Layer. <i>Small</i> , 2020 , 16, e2002201	11	6
135	Enhanced laser action from smart fabrics made with rollable hyperbolic metamaterials. <i>Npj Flexible Electronics</i> , 2020 , 4,	10.7	4
134	Lead-Free Antimony-Based Light-Emitting Diodes through the Vapor-Anion-Exchange Method. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35088-35094	9.5	42
133	Sn-Doping Enhanced Ultrahigh Mobility InSnSe Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24269-24278	9.5	12
132	Half-Metallic Property Induced by Double Exchange Interaction in the Double Perovskite BiO (= Transitional Metal) via First-Principles Calculations. <i>Materials</i> , 2019 , 12,	3.5	8
131	Electrically Pumped White-Light-Emitting Diodes Based on Histidine-Doped MoS Quantum Dots. <i>Small</i> , 2019 , 15, e1901908	11	13
130	An ultra-fast two-terminal organic phototransistor with vertical topology for information technologies. <i>Applied Physics Letters</i> , 2019 , 114, 193301	3.4	5
129	Self-Healing Nanophotonics: Robust and Soft Random Lasers. <i>ACS Nano</i> , 2019 , 13, 8977-8985	16.7	6
128	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	9.5	6
127	Ultrahighly Photosensitive and Highly Stretchable Rippled Structure Photodetectors Based on Perovskite Nanocrystals and Graphene. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1517-1526	4	3
126	Graphene Sandwich Stable Perovskite Quantum-Dot Light-Emissive Ultrasensitive and Ultrafast Broadband Vertical Phototransistors. <i>ACS Nano</i> , 2019 , 13, 12540-12552	16.7	41
125	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, 1-4	3.5	3
124	Second harmonic generation imaging reveals asymmetry in the rotational helicity of collagen lamellae in chicken corneas. <i>Biomedical Optics Express</i> , 2019 , 10, 5223-5234	3.5	1
123	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	9.5	5

122	Single-Molecule-Based Electroluminescent Device as Future White Light Source. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4084-4092	9.5	7
121	Hybrid Optical/Electric Memristor for Light-Based Logic and Communication. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4649-4653	9.5	15
120	Dynamic visualization of the recovery of mouse hepatobiliary metabolism to acetaminophen-overdose damage. <i>Journal of Biophotonics</i> , 2019 , 12, e201800296	3.1	
119	A White Random Laser. <i>Scientific Reports</i> , 2018 , 8, 2720	4.9	43
118	Photovoltaic Performance of Vapor-Assisted Solution-Processed Layer Polymorph of CsSbI. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2566-2573	9.5	84
117	Plasmonic Carbon-Dot-Decorated Nanostructured Semiconductors for Efficient and Tunable Random Laser Action. <i>ACS Applied Nano Materials</i> , 2018 , 1, 152-159	5.6	17
116	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	6.3	24
115	Energetically Autonomous, Wearable, and Multifunctional Sensor. <i>ACS Sensors</i> , 2018 , 3, 113-120	9.2	26
114	Ultrahigh Sensitive and Flexible Magneto-electronics with Magnetic Nanocomposites: Toward an Additional Perception of Artificial Intelligence. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17393-17400	9.5	24
113	Transparent, Wearable, Broadband, and Highly Sensitive Upconversion Nanoparticles and Graphene-Based Hybrid Photodetectors. <i>ACS Photonics</i> , 2018 , 5, 2336-2347	6.3	38
112	Transient and Flexible Hyperbolic Metamaterials on Freeform Surfaces. <i>Scientific Reports</i> , 2018 , 8, 9469	4.9	15
111	All-marine based random lasers. <i>Organic Electronics</i> , 2018 , 62, 209-215	3.5	14
110	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	13	46
109	Random Lasers: Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network (Advanced Optical Materials 16/2018). <i>Advanced Optical Materials</i> , 2018 , 6, 1870063	8.1	
108	All Organic Label-like Copper(II) Ions Fluorescent Film Sensors with High Sensitivity and Stretchability. <i>ACS Sensors</i> , 2018 , 3, 99-105	9.2	8
107	A Highly-Efficient Single Segment White Random Laser. <i>ACS Nano</i> , 2018 , 12, 11847-11859	16.7	29
106	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	15.6	38
105	Highly Sensitive, Visible Blind, Wearable, and Omnidirectional Near-Infrared Photodetectors. <i>ACS Nano</i> , 2018 , 12, 9596-9607	16.7	31

104	Inkjet-Printed Random Lasers. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800214	6.8	11
103	Ultra-high performance flexible piezopotential gated InSnSe phototransistor. <i>Nanoscale</i> , 2018 , 10, 18642-18650	7.7	7
102	Transient and Flexible Photodetectors. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5092-5100	5.6	16
101	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. <i>Advanced Optical Materials</i> , 2018 , 6, 1800382	8.1	25
100	Highly Reliable and Sensitive Tactile Transistor Memory. <i>Advanced Electronic Materials</i> , 2017 , 3, 16005486.4	6.4	15
99	Wurtzite spin lasers. <i>Physical Review B</i> , 2017 , 95,	3.3	16
98	Environment-insensitive and gate-controllable photocurrent enabled by bandgap engineering of MoS junctions. <i>Scientific Reports</i> , 2017 , 7, 44768	4.9	10
97	High-Efficiency InGaN/GaN CoreShell Nanorod Light-Emitting Diodes With Low-Peak Blueshift and Efficiency Droop. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 355-358	2.6	12
96	Probing Multiscale Collagenous Tissue by Nonlinear Microscopy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2825-2831	5.5	9
95	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	6.3	18
94	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , 2017 , 29, 1703549	24	64
93	Magnetically Controllable Random Lasers. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700170	6.8	20
92	Dirac point induced ultralow-threshold laser and giant optoelectronic quantum oscillations in graphene-based heterojunctions. <i>Nature Communications</i> , 2017 , 8, 256	17.4	22
91	Diverse Functionalities of Vertically Stacked Graphene/Single layer n-MoS/SiO/p-GaN Heterostructures. <i>Scientific Reports</i> , 2017 , 7, 10002	4.9	8
90	Application of Supramolecular Assembly of Porphyrin Dimers for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20084-20092	3.8	3
89	Dissolvable and Recyclable Random Lasers. <i>ACS Nano</i> , 2017 , 11, 7600-7607	16.7	28
88	Efficient molecular solar cells processed from green solvent mixtures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 571-582	13	29
87	An Arbitrary Color Light Emitter. <i>Advanced Materials</i> , 2017 , 29, 1604076	24	2

86	High-Performance Light-Emitting Memories: Multifunctional Devices for Unveiling Information by Optical and Electrical Detection. <i>Advanced Optical Materials</i> , 2016 , 4, 1744-1749	8.1	4
85	Electrically Driven White Light Emission from Intrinsic Metal-Organic Framework. <i>ACS Nano</i> , 2016 , 10, 8366-75	16.7	75
84	Highly Stretchable Label-like Random Laser on Universal Substrates. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600068	6.8	24
83	Improving the thermoelectric performance of metastable rock-salt GeTe-rich Ge _{1-x} Te thin films through tuning of grain orientation and vacancies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 3122-3129	1.6	3
82	Tunneling-injection in vertical quasi-2D heterojunctions enabled efficient and adjustable optoelectronic conversion. <i>Scientific Reports</i> , 2016 , 6, 31475	4.9	3
81	Ultra-Thin Layered Ternary Single Crystals [Sn(SxSe _{1-x}) ₂] with Bandgap Engineering for High Performance Phototransistors on Versatile Substrates. <i>Advanced Functional Materials</i> , 2016 , 26, 3630-3638	15.6	56
80	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, 17382-8	9.5	12
79	Porphyrin dimers as donors for solution-processed bulk heterojunction organic solar cells. <i>RSC Advances</i> , 2016 , 6, 60626-60632	3.7	6
78	Broad band plasmonic nanomaterials for high performance solar cells. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 513-520	7.1	15
77	Highly Stretchable and Sensitive Photodetectors Based on Hybrid Graphene and Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 466-71	9.5	74
76	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	15.6	109
75	Electrical-Polarization-Induced Ultrahigh Responsivity Photodetectors Based on Graphene and Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2016 , 26, 620-628	15.6	74
74	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	7.1	27
73	Preparation of metal halide perovskite solar cells through a liquid droplet assisted method. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9257-9263	13	45
72	Multifunctionality of Giant and Long-Lasting Persistent Photoconductivity: Semiconductor-to-Conductor Transition in Graphene Nanosheets and Amorphous InGaZnO Hybrids. <i>ACS Photonics</i> , 2015 , 2, 1057-1064	6.3	28
71	Effects of a thermally stable chlorophyll extract from diatom algae on surface textured Si solar cells. <i>RSC Advances</i> , 2015 , 5, 35302-35306	3.7	3
70	Biologically inspired band-edge laser action from semiconductor with dipole-forbidden band-gap transition. <i>Scientific Reports</i> , 2015 , 5, 8965	4.9	5
69	Semiconductor Behavior of a Three-Dimensional Strontium-Based Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22767-74	9.5	59

68	Stretchable Random Lasers with Tunable Coherent Loops. <i>ACS Nano</i> , 2015 , 9, 12436-41	16.7	42
67	Giant enhancement of inverted polymer solar cells efficiency by manipulating dual interlayers with integrated approaches. <i>RSC Advances</i> , 2015 , 5, 1549-1556	3.7	12
66	Electrically Driven Random Laser Memory. <i>Advanced Functional Materials</i> , 2015 , 25, 4058-4063	15.6	13
65	Electrically and optically readable light emitting memories. <i>Scientific Reports</i> , 2014 , 4, 5121	4.9	18
64	Rewritable, Moldable, and Flexible Sticker-Type Organic Memory on Arbitrary Substrates. <i>Advanced Functional Materials</i> , 2014 , 24, 1430-1438	15.6	58
63	Mode Control of Random Laser Action Assisted by Whispering-Gallery-Mode Resonance. <i>ACS Photonics</i> , 2014 , 1, 1258-1263	6.3	6
62	A Highly Sensitive Graphene-Organic Hybrid Photodetector with a Piezoelectric Substrate. <i>Advanced Functional Materials</i> , 2014 , 24, 6818-6825	15.6	61
61	Plant leaf-derived graphene quantum dots and applications for white LEDs. <i>New Journal of Chemistry</i> , 2014 , 38, 4946-4951	3.6	102
60	High-performance organic nano-floating-gate memory devices based on graphite nanocrystals as charge-trapping elements and high-k Ta2O5 as a controlled gate dielectric. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5342	7.1	15
59	Self-polarized spin-nanolasers. <i>Nature Nanotechnology</i> , 2014 , 9, 845-50	28.7	47
58	Stretchable organic memory: toward learnable and digitized stretchable electronic applications. <i>NPG Asia Materials</i> , 2014 , 6, e87-e87	10.3	69
57	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	4.9	44
56	Residue-free fabrication of high-performance graphene devices by patterned PMMA stencil mask. <i>AIP Advances</i> , 2014 , 4, 067129	1.5	9
55	Graphene/SiO2/p-GaN Diodes: An Advanced Economical Alternative for Electrically Tunable Light Emitters. <i>Advanced Functional Materials</i> , 2013 , 23, 4043-4048	15.6	18
54	Controllable orientation of assembled gold nanorods on unstructured substrates. <i>RSC Advances</i> , 2013 , 3, 17696	3.7	1
53	Photo-Kelvin probe force microscopy for photocatalytic performance characterization of single filament of TiO2 nanofiber photocatalysts. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5715	13	29
52	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	13	41
51	Enhancing organic/inorganic hybrid solar cell efficiency using rod-coil diblock polymer additive. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 665-670	13	17

50	Low operation voltage macromolecular composite memory assisted by graphene nanoflakes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 552-559	7.1	39
49	Size effects on phonon localization and Raman enhancement in silicon nanotips. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 81-85	2.3	5
48	Facile synthesis of wurtzite copper/zinc tin sulfide nanocrystals from plasmonic dielectric nuclei. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 337-341	13	51
47	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	35.4	87
46	Synthesis, characterization and photovoltaic properties of poly(cyclopentadithiophene-alt-isoindigo). <i>Polymer Chemistry</i> , 2013 , 4, 5351	4.9	20
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	7.1	34
44	Magnetic-field annealing of inverted polymer:fullerene hybrid solar cells with FePt nanowires as additive. <i>Applied Physics Letters</i> , 2013 , 103, 253305	3.4	1
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		39
42	Enhanced performance of photodetector and photovoltaic based on carrier reflector and back surface field generated by doped graphene. <i>Applied Physics Letters</i> , 2012 , 101, 073906	3.4	2
41	Enhanced charge transport in hybrid polymer/ZnO-nanorod solar cells assisted by conductive small molecules. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15726		36
40	Synthesis, optical and photovoltaic properties of bismuth sulfide nanorods. <i>CrystEngComm</i> , 2012 , 14, 3645	3.3	41
39	Effect of Lorentz local field for optical second order nonlinear susceptibility in ZnO nanorod. <i>Journal of Applied Physics</i> , 2012 , 111, 103112	2.5	7
38	Enhancement of emission characteristics of cadmium-free ZnS/ZnSe/SiO ₂ quantum dots by Au nanoparticles. <i>Applied Physics Letters</i> , 2012 , 101, 041908	3.4	2
37	A graphene-based surface plasmon sensor. <i>Nano Research</i> , 2012 , 5, 695-702	10	29
36	Graphene-lead zirconate titanate optothermal field effect transistors. <i>Applied Physics Letters</i> , 2012 , 100, 113507	3.4	28
35	Ultrahigh-gain single SnO ₂ nanowire photodetectors made with ferromagnetic nickel electrodes. <i>NPG Asia Materials</i> , 2012 , 4, e26-e26	10.3	31
34	Enhanced charge extraction in inverted hybrid photovoltaic cells assisted by graphene nanoflakes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17462		18
33	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	3.8	24

32	Optical Detection of Glucose Based on a Composite Consisting of Enzymatic ZnO Nanorods and InGaN/GaN Multiple Quantum Wells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14664-14667	3.8	5
31	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	2.5	16
30	Chiral angle dependence of resonance window widths in (2n+m) families of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 103118	3.4	8
29	Label-free discrimination of normal and pulmonary cancer tissues using multiphoton fluorescence ratiometric microscopy. <i>Applied Physics Letters</i> , 2010 , 97, 043706	3.4	4
28	Early development of cutaneous cancer revealed by intravital nonlinear optical microscopy. <i>Applied Physics Letters</i> , 2010 , 97, 113702	3.4	6
27	Effects of cathode buffer layers on the efficiency of bulk-heterojunction solar cells. <i>Applied Physics Letters</i> , 2010 , 96, 263506	3.4	52
26	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	3.8	34
25	Recombination Dynamics of the Enhanced Quantum Efficiency in CdSe/ZnTe/ZnS Type-II Quantum Dots. <i>Journal of the Chinese Chemical Society</i> , 2010 , 57, 534-538	1.5	
24	p-Si nanowires/SiO ₂ /n-ZnO heterojunction photodiodes. <i>Applied Physics Letters</i> , 2010 , 97, 013503	3.4	49
23	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	2.5	9
22	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, 131101	3.4	10
21	Nanopatterned optical and magnetic La _{0.6} Ca _{0.4} MnO ₃ arrays: Synthesis, fabrication, and properties. <i>Journal of Materials Research</i> , 2009 , 24, 394-403	2.5	3
20	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. <i>Advanced Materials</i> , 2009 , 21, 172-177	24	180
19	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	3.8	19
18	Double side electroluminescence from p-NiO/n-ZnO nanowire heterojunctions. <i>Applied Physics Letters</i> , 2009 , 95, 131117	3.4	77
17	Enhancing photoluminescence quenching and photoelectric properties of CdSe quantum dots with hole accepting ligands. <i>Journal of Materials Chemistry</i> , 2008 , 18, 675		210
16	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		11
15	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		35

14	Room-temperature nanolaser from CdSe nanotubes embedded in anodic aluminum oxide nanocavity arrays. <i>Applied Physics Letters</i> , 2008 , 93, 223903	3.4	9
13	Surface potential and magnetic properties of La _{0.7} Sr _{0.3} MnO ₃ periodic arrays fabricated by direct electron beam writing. <i>Journal of Applied Physics</i> , 2008 , 104, 024517	2.5	2
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5	Cyclotron Resonance in Quasi-Two-Dimensional Electron Systems in the Quantized Hall Region. <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 170, K103-K108	1.3	
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2	Highly Efficient Photodetection in Metal Nanocluster/Graphene Heterojunctions. <i>ACS Photonics</i> ,	6.3	1
1	An Optically, Electrically, Magnetically Controllable Dual-Gate Phototransistor. <i>Advanced Electronic Materials</i> , 2101378	6.4	0