

# Xiao-Hong Zhang

## List of Publications by Citations

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481  
papers

18,778  
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73  
h-index

113  
g-index

506  
ext. papers

21,763  
ext. citations

8.9  
avg, IF

7  
L-index

#	Paper	IF	Citations
481	Fluorescence turn on of coumarin derivatives by metal cations: a new signaling mechanism based on C=N isomerization. <i>Organic Letters</i> , <b>2007</b> , 9, 33-6	6.2	501
480	MoS <sub>2</sub> /Si Heterojunction with Vertically Standing Layered Structure for Ultrafast, High-Detectivity, Self-Driven Visible-Near Infrared Photodetectors. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2910-2919	15.6	427
479	Aligned Single-Crystalline Perovskite Microwire Arrays for High-Performance Flexible Image Sensors with Long-Term Stability. <i>Advanced Materials</i> , <b>2016</b> , 28, 2201-8	24	283
478	High-yield seedless synthesis of triangular gold nanoplates through oxidative etching. <i>Nano Letters</i> , <b>2014</b> , 14, 7201-6	11.5	266
477	Highly Efficient Non-Doped Blue Organic Light-Emitting Diodes Based on Fluorene Derivatives with High Thermal Stability. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 1716-1721	15.6	261
476	Prediction and design of efficient exciplex emitters for high-efficiency, thermally activated delayed-fluorescence organic light-emitting diodes. <i>Advanced Materials</i> , <b>2015</b> , 27, 2378-83	24	250
475	Strategies for Preparing Albumin-based Nanoparticles for Multifunctional Bioimaging and Drug Delivery. <i>Theranostics</i> , <b>2017</b> , 7, 3667-3689	12.1	236
474	Remanagement of Singlet and Triplet Excitons in Single-Emissive-Layer Hybrid White Organic Light-Emitting Devices Using Thermally Activated Delayed Fluorescent Blue Exciplex. <i>Advanced Materials</i> , <b>2015</b> , 27, 7079-85	24	218
473	Management of singlet and triplet excitons in a single emission layer: a simple approach for a high-efficiency fluorescence/phosphorescence hybrid white organic light-emitting device. <i>Advanced Materials</i> , <b>2012</b> , 24, 3410-4	24	215
472	High-Responsivity, High-Detectivity, Ultrafast Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> /Silicon Heterostructure Broadband Photodetectors. <i>ACS Nano</i> , <b>2016</b> , 10, 5113-22	16.7	202
471	Novel efficient blue fluorophors with small singlet-triplet splitting: hosts for highly efficient fluorescence and phosphorescence hybrid WOLEDs with simplified structure. <i>Advanced Materials</i> , <b>2013</b> , 25, 2205-11	24	197
470	Organometal Halide Perovskite Quantum Dot Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4797-4802	15.6	196
469	Excellent photocatalysis of HF-treated silicon nanowires. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17738-9	16.4	195
468	Nearly 100% triplet harvesting in conventional fluorescent dopant-based organic light-emitting devices through energy transfer from exciplex. <i>Advanced Materials</i> , <b>2015</b> , 27, 2025-30	24	189
467	Bipolar Phenanthroimidazole Derivatives Containing Bulky Polyaromatic Hydrocarbons for Nondoped Blue Electroluminescence Devices with High Efficiency and Low Efficiency Roll-Off. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4957-4965	9.6	186
466	Ultrahigh-Responsivity Photodetectors from Perovskite Nanowire Arrays for Sequentially Tunable Spectral Measurement. <i>Nano Letters</i> , <b>2017</b> , 17, 2482-2489	11.5	184
465	Single-crystal nanoribbons, nanotubes, and nanowires from intramolecular charge-transfer organic molecules. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 3527-32	16.4	179

464	Reduction of Self-Quenching Effect in Organic Electrophosphorescence Emitting Devices via the Use of Sterically Hindered Spacers in Phosphorescence Molecules. <i>Advanced Materials</i> , <b>2001</b> , 13, 1245	24	176
463	ZnO Nanotube Arrays as Biosensors for Glucose. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 20169-20172	3.8	171
462	Carbazole/Sulfone Hybrid D-A-Structured Bipolar Fluorophores for High-Efficiency Blue-Violet Electroluminescence. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2630-2637	9.6	167
461	Controlled synthesis of oriented single-crystal ZnO nanotube arrays on transparent conductive substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 053111	3.4	167
460	New fluorescent chemosensor based on exciplex signaling mechanism. <i>Organic Letters</i> , <b>2005</b> , 7, 2133-6	6.2	151
459	Red/Near-Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100 % Internal Quantum Efficiency. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14660-14665	16.4	149
458	Novel Strategy to Develop Exciplex Emitters for High-Performance OLEDs by Employing Thermally Activated Delayed Fluorescence Materials. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2002-2008	15.6	149
457	Multifunctional electron-transporting indolizine derivatives for highly efficient blue fluorescence, orange phosphorescence host and two-color based white OLEDs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4502		147
456	All-inorganic cesium lead halide perovskite nanocrystals: synthesis, surface engineering and applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 757-789	7.1	146
455	Ultrafast, Broadband Photodetector Based on MoSe/Silicon Heterojunction with Vertically Standing Layered Structure Using Graphene as Transparent Electrode. <i>Advanced Science</i> , <b>2016</b> , 3, 1600018	13.6	146
454	Avoiding Energy Loss on TADF Emitters: Controlling the Dual Conformations of D-A Structure Molecules Based on the Pseudoplanar Segments. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701476	24	142
453	In vivo tumor-targeted dual-modal fluorescence/CT imaging using a nanoprobe co-loaded with an aggregation-induced emission dye and gold nanoparticles. <i>Biomaterials</i> , <b>2015</b> , 42, 103-11	15.6	138
452	Direct evidence of molecular aggregation and degradation mechanism of organic light-emitting diodes under joule heating: an STM and photoluminescence study. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 1675-82	3.4	137
451	Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12360-12364	16.4	133
450	A New Family of Red Dopants Based on Chromene-Containing Compounds for Organic Electroluminescent Devices. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 1565-1569	9.6	133
449	Highly Efficient Photoelectrochemical Water Splitting from Hierarchical WO <sub>3</sub> /BiVO <sub>4</sub> Nanoporous Sphere Arrays. <i>Nano Letters</i> , <b>2017</b> , 17, 8012-8017	11.5	131
448	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy in Vitro and in Vivo. <i>ACS Nano</i> , <b>2015</b> , 9, 9741-56	16.7	129
447	Red Organic Light-Emitting Diode with External Quantum Efficiency beyond 20% Based on a Novel Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Science</i> , <b>2018</b> , 5, 1800436	13.6	126

446	Single-crystal organic microtubes with a rectangular cross section. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1525-8	16.4	121
445	Solution-Processed 3D RGO-MoS /Pyramid Si Heterojunction for Ultrahigh Detectivity and Ultra-Broadband Photodetection. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801729	24	117
444	Wafer-scale synthesis of single-crystal zigzag silicon nanowire arrays with controlled turning angles. <i>Nano Letters</i> , <b>2010</b> , 10, 864-8	11.5	115
443	Highly Efficient Nondoped Blue Organic Light-Emitting Diodes Based on Anthracene-Triphenylamine Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 14603-14606	3.8	114
442	Facile One-Step Growth and Patterning of Aligned Squaraine Nanowires via Evaporation-Induced Self-Assembly. <i>Advanced Materials</i> , <b>2008</b> , 20, 1716-1720	24	112
441	High-Sensitivity and Fast-Response Graphene/Crystalline Silicon Schottky Junction-Based Near-IR Photodetectors. <i>IEEE Electron Device Letters</i> , <b>2013</b> , 34, 1337-1339	4.4	109
440	Self-carried curcumin nanoparticles for in vitro and in vivo cancer therapy with real-time monitoring of drug release. <i>Nanoscale</i> , <b>2015</b> , 7, 13503-10	7.7	108
439	Surface passivation and band engineering: a way toward high efficiency graphene/planar Si solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8567	13	108
438	Highly efficient non-doped deep-blue organic light-emitting diodes based on anthracene derivatives. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1560		108
437	Alignment and Patterning of Ordered Small-Molecule Organic Semiconductor Micro-/Nanocrystals for Device Applications. <i>Advanced Materials</i> , <b>2016</b> , 28, 2475-503	24	108
436	Highly Stable Near-Infrared Fluorescent Organic Nanoparticles with a Large Stokes Shift for Noninvasive Long-Term Cellular Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26266-74	9.5	107
435	Silicon Nanowire/Polymer Hybrid Solar Cell-Supercapacitor: A Self-Charging Power Unit with a Total Efficiency of 10.5. <i>Nano Letters</i> , <b>2017</b> , 17, 4240-4247	11.5	106
434	Surface Charge Transfer Doping of Low-Dimensional Nanostructures toward High-Performance Nanodevices. <i>Advanced Materials</i> , <b>2016</b> , 28, 10409-10442	24	105
433	Bipolar Molecule as an Excellent Hole-Transporter for Organic-Light Emitting Devices. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1284-1287	9.6	105
432	Biodegradable $\pi$ -Conjugated Oligomer Nanoparticles with High Photothermal Conversion Efficiency for Cancer Theranostics. <i>ACS Nano</i> , <b>2019</b> , 13, 12901-12911	16.7	104
431	L-Type Ligand-Assisted Acid-Free Synthesis of CsPbBr Nanocrystals with Near-Unity Photoluminescence Quantum Yield and High Stability. <i>Nano Letters</i> , <b>2019</b> , 19, 4151-4157	11.5	103
430	A Sustainable Redox-Flow Battery with an Aluminum-Based, Deep-Eutectic-Solvent Anolyte. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7454-7459	16.4	101
429	Photoconductivity of a Single Small-Molecule Organic Nanowire. <i>Advanced Materials</i> , <b>2008</b> , 20, 2427-2432	24	101

428	Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. <i>Joule</i> , <b>2018</b> , 2, 1369-1381	27.8	100
427	Intermolecular Charge-Transfer Transition Emitter Showing Thermally Activated Delayed Fluorescence for Efficient Non-Doped OLEDs. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9480-9484	16.4	98
426	Electrochemical/chemical synthesis of highly-oriented single-crystal ZnO nanotube arrays on transparent conductive substrates. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2784-2788	5.1	98
425	Novel Carbazol-Pyridine-Carbonitrile Derivative as Excellent Blue Thermally Activated Delayed Fluorescence Emitter for Highly Efficient Organic Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18930-6	9.5	97
424	Morphology-controllable synthesis of pyrene nanostructures and its morphology dependence of optical properties. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 18777-80	3.4	93
423	Polyhedral organic microcrystals: from cubes to rhombic dodecahedra. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9121-3	16.4	91
422	The fabrication and optical properties of highly crystalline ultra-long Cu-doped ZnO nanowires. <i>Nanotechnology</i> , <b>2004</b> , 15, 1152-1155	3.4	91
421	12.35% efficient graphene quantum dots/silicon heterojunction solar cells using graphene transparent electrode. <i>Nano Energy</i> , <b>2017</b> , 31, 359-366	17.1	90
420	Thermally Activated Delayed Fluorescence Carbonyl Derivatives for Organic Light-Emitting Diodes with Extremely Narrow Full Width at Half-Maximum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13472-13480	9.5	90
419	Carrier-free functionalized multidrug nanorods for synergistic cancer therapy. <i>Biomaterials</i> , <b>2013</b> , 34, 8960-7	15.6	88
418	New Ambipolar Hosts Based on Carbazole and 4,5-Diazafluorene Units for Highly Efficient Blue Phosphorescent OLEDs with Low Efficiency Roll-Off. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 643-650	9.6	85
417	A novel colorimetric and fluorescent anion chemosensor based on the flavone quasi-crown ether-metal complex. <i>Organic Letters</i> , <b>2004</b> , 6, 1071-4	6.2	85
416	Nonconjugated Carbazoles: A Series of Novel Host Materials for Highly Efficient Blue Electrophosphorescent OLEDs. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6761-6767	3.8	80
415	Blue and white organic electroluminescent devices based on 9,10-bis(2'-naphthyl)anthracene. <i>Chemical Physics Letters</i> , <b>2003</b> , 369, 478-482	2.5	79
414	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9902-9906	16.4	76
413	High Performance Exciplex-Based Fluorescence/Phosphorescence White Organic Light-Emitting Device with Highly Simplified Structure. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5206-5211	9.6	76
412	Wafer-Scale Precise Patterning of Organic Single-Crystal Nanowire Arrays via a Photolithography-Assisted Spin-Coating Method. <i>Advanced Materials</i> , <b>2015</b> , 27, 7305-12	24	76
411	Channel-restricted meniscus self-assembly for uniformly aligned growth of single-crystal arrays of organic semiconductors. <i>Materials Today</i> , <b>2019</b> , 24, 17-25	21.8	75

410	High-efficiency, air stable graphene/Si micro-hole array Schottky junction solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15348	13	74
409	Anthracene derivative for a non-doped blue-emitting organic electroluminescence device with both excellent color purity and high efficiency. <i>Chemical Physics Letters</i> , <b>2004</b> , 397, 1-4	2.5	73
408	2D Ruddlesden-Popper Perovskite Nanoplate Based Deep-Blue Light-Emitting Diodes for Light Communication. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903861	15.6	71
407	Preparation and size control of sub-100 nm pure nanodrugs. <i>Nano Letters</i> , <b>2015</b> , 15, 313-8	11.5	69
406	Ultrabright and ultrastable near-infrared dye nanoparticles for in vitro and in vivo bioimaging. <i>Biomaterials</i> , <b>2012</b> , 33, 7803-9	15.6	69
405	Structural and electronic properties of ZnO nanotubes from density functional calculations. <i>Nanotechnology</i> , <b>2007</b> , 18, 485713	3.4	68
404	Smart doxorubicin nanoparticles with high drug payload for enhanced chemotherapy against drug resistance and cancer diagnosis. <i>Nanoscale</i> , <b>2015</b> , 7, 5683-90	7.7	67
403	High-Efficiency Nondoped Deep-Blue-Emitting Organic Electroluminescent Device. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2138-2141	9.6	67
402	Highly Concentrated Phthalimide-Based Anolytes for Organic Redox Flow Batteries with Enhanced Reversibility. <i>Chem</i> , <b>2018</b> , 4, 2814-2825	16.2	65
401	Facile One-Step Fabrication of Ordered Organic Nanowire Films. <i>Advanced Materials</i> , <b>2009</b> , 21, 4172-4175	5.4	64
400	The Nanoassembly of an Intrinsically Cytotoxic Near-Infrared Dye for Multifunctionally Synergistic Theranostics. <i>Small</i> , <b>2019</b> , 15, e1903121	11	63
399	One-step self-assembly, alignment, and patterning of organic semiconductor nanowires by controlled evaporation of confined microfluids. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2811-5	16.4	63
398	Single-Crystal 9,10-Diphenylanthracene Nanoribbons and Nanorods. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6945-6950	9.6	62
397	Seed-mediated synthesis of silver nanostructures and polymer/silver nanocables by UV irradiation. <i>Journal of Crystal Growth</i> , <b>2004</b> , 273, 285-291	1.6	61
396	Control of Dual Conformations: Developing Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Single-Emitter White Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31515-31525	9.5	60
395	Novel Blue Fluorophor with High Triplet Energy Level for High Performance Single-Emitting-Layer Fluorescence and Phosphorescence Hybrid White Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4454-4459	9.6	58
394	High-Performance, Simplified Fluorescence and Phosphorescence Hybrid White Organic Light-Emitting Devices Allowing Complete Triplet Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26135-26142	9.5	58
393	Large-scale assembly of highly sensitive Si-based flexible strain sensors for human motion monitoring. <i>Nanoscale</i> , <b>2016</b> , 8, 2123-8	7.7	57

392	Manipulation of conjugation to stabilize N redox-active centers for the design of high-voltage organic battery cathode. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 236-242	19.4	57
391	Flexible graphene/silicon heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14370-14377		57
390	Template-Free Electrochemical Synthesis of Single-Crystal CuTe Nanoribbons. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1789-1791	3.5	57
389	Enhancement of Photocatalytic Water Oxidation Activity on IrO <sub>x</sub> /ZnO/GeO <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> Catalyst with the Solid Solution Phase Junction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12818-12822	3.8	56
388	Dart-shaped tricrystal ZnS nanoribbons. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2568-71	16.4	56
387	Cobalt Plasmonic Superstructures Enable Almost 100% Broadband Photon Efficient CO Photocatalysis. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000014	24	55
386	Synthesis, Structure, and Photophysical Properties of Two Four-Coordinate Cu(I)-NHC Complexes with Efficient Delayed Fluorescence. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2157-64	5.1	54
385	Size Controllable and Surface Tunable Zeolitic Imidazolate Framework-8-Poly(acrylic acid sodium salt) Nanocomposites for pH Responsive Drug Release and Enhanced in Vivo Cancer Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32990-33000	9.5	54
384	Carrier-free, functionalized drug nanoparticles for targeted drug delivery. <i>Chemical Communications</i> , <b>2012</b> , 48, 8120-2	5.8	54
383	Coumarin-Based Thermally Activated Delayed Fluorescence Emitters with High External Quantum Efficiency and Low Efficiency Roll-off in the Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8848-8854	9.5	53
382	Clean surface transfer of graphene films via an effective sandwich method for organic light-emitting diode applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 201-207	7.1	52
381	Organic nanostructures of thermally activated delayed fluorescent emitters with enhanced intersystem crossing as novel metal-free photosensitizers. <i>Chemical Communications</i> , <b>2016</b> , 52, 11744-11747	5.8	51
380	Isomeric Thermally Activated Delayed Fluorescence Emitters for Color Purity-Improved Emission in Organic Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16791-8	9.5	51
379	Precise Patterning of Laterally Stacked Organic Microbelt Heterojunction Arrays by Surface-Energy-Controlled Stepwise Crystallization for Ambipolar Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800187	24	51
378	Photoluminescence and electroluminescence of pyrazoline monomers and dimers. <i>Chemical Physics Letters</i> , <b>2000</b> , 320, 77-80	2.5	50
377	Organic/inorganic hybrid perovskite quantum dots for light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4831-4841	7.1	49
376	A multifunctional phosphine oxide-diphenylamine hybrid compound as a high performance deep-blue fluorescent emitter and green phosphorescent host. <i>Chemical Communications</i> , <b>2014</b> , 50, 2027-9	5.8	49
375	Mitochondrial-Targeting Lonidamine-Doxorubicin Nanoparticles for Synergistic Chemotherapy to Conquer Drug Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43498-43507	9.5	49

374	Efficient blue organic light-emitting devices based on novel anthracene derivatives with pronounced thermal stability and excellent film-forming property. <i>Chemical Physics Letters</i> , <b>2006</b> , 429, 622-627	2.5	49
373	A Novel Yellow Fluorescent Dopant for High-Performance Organic Electroluminescent Devices. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 456-458	9.6	49
372	Managing Locally Excited and Charge-Transfer Triplet States to Facilitate Up-Conversion in Red TADF Emitters That Are Available for Both Vacuum- and Solution-Processes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2478-2484	16.4	49
371	Facile Assembly of High-Quality Organic/Inorganic Hybrid Perovskite Quantum Dot Thin Films for Bright Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705189	15.6	48
370	High Performance All Fluorescence White Organic Light Emitting Devices with a Highly Simplified Structure Based on Thermally Activated Delayed Fluorescence Dopants and Host. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32984-32991	9.5	48
369	Iodine-doped-poly(3,4-ethylenedioxythiophene)-modified Si nanowire 1D core-shell arrays as an efficient photocatalyst for solar hydrogen generation. <i>Advanced Materials</i> , <b>2012</b> , 24, 6199-203	24	48
368	Novel bipolar host materials based on 1,3,5-triazine derivatives for highly efficient phosphorescent OLEDs with extremely low efficiency roll-off. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14255-61	3.6	48
367	Surface charge transfer doping induced inversion layer for high-performance graphene/silicon heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 285-291	13	46
366	Highly sensitive, reproducible, and stable SERS sensors based on well-controlled silver nanoparticle-decorated silicon nanowire building blocks. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14127		46
365	New Fluorene Derivatives for Blue Electroluminescent Devices: Influence of Substituents on Thermal Properties, Photoluminescence, and Electroluminescence. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2165-2169	3.8	46
364	Self-Assembly of Electron Donor-Acceptor-Based Carbazole Derivatives: Novel Fluorescent Organic Nanoprobes for Both One- and Two-Photon Cellular Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11355-65	9.5	46
363	Near-infrared fluorescence imaging using organic dye nanoparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 3356-64	15.6	45
362	EQE Climbing Over 6% at High Brightness of 14350 cd/m in Deep-Blue OLEDs Based on Hybridized Local and Charge-Transfer Fluorescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9629-9637	9.5	44
361	Aggregation-induced near-infrared absorption of squaraine dye in an albumin nanocomplex for photoacoustic tomography in vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17985-92	9.5	44
360	Efficient white organic light-emitting devices based on phosphorescent iridium complexes. <i>Organic Electronics</i> , <b>2010</b> , 11, 1511-1515	3.5	44
359	Bulk preparation of Si-SiO <sub>x</sub> hierarchical structures: high-density radially oriented amorphous silica nanowires on a single-crystal silicon nanocore. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6934-7	16.4	44
358	Niobium and Titanium Carbides (MXenes) as Superior Photothermal Supports for CO Photocatalysis. <i>ACS Nano</i> , <b>2021</b> , 15, 5696-5705	16.7	44
357	Dual-Band, High-Performance Phototransistors from Hybrid Perovskite and Organic Crystal Array for Secure Communication Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 5910-5919	16.7	43

356	Single vs double atom catalyst for N <sub>2</sub> activation in nitrogen reduction reaction: A DFT perspective. <i>EcoMat</i> , <b>2020</b> , 2, e12014	9.4	43
355	Template-Free Electrodeposition of One-Dimensional Nanostructures of Tellurium. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 663-666	3.5	43
354	Novel small-molecule electron donor for solution-processed ternary exciplex with 24% external quantum efficiency in organic light-emitting diode. <i>Materials Horizons</i> , <b>2019</b> , 6, 1425-1432	14.4	42
353	High-sensitivity pesticide detection via silicon nanowires-supported acetylcholinesterase-based electrochemical sensors. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023113	3.4	42
352	Efficient blue and white organic light-emitting devices based on a single bipolar emitter. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 013507	3.4	42
351	Red electroluminescence and photoluminescence properties of new porphyrin compounds. <i>Chemical Physics Letters</i> , <b>2003</b> , 382, 561-566	2.5	42
350	Sonochemical synthesis of mass single-crystal PbS nanobelts. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 399-403	3.3	42
349	Shape design of high drug payload nanoparticles for more effective cancer therapy. <i>Chemical Communications</i> , <b>2013</b> , 49, 10989-91	5.8	41
348	Gold nanoparticle modified silicon nanowires as biosensors. <i>Nanotechnology</i> , <b>2006</b> , 17, S276-S279	3.4	41
347	Novel fluorescent sensor for detection of Cu(II) in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2006</b> , 65, 749-52	4.4	41
346	Pyrazoline derivatives for blue color emitter in organic electroluminescent devices. <i>Thin Solid Films</i> , <b>2000</b> , 371, 40-46	2.2	41
345	Aligned ultralong nanowire arrays and their application in flexible photodetector devices. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14357		40
344	Organic molecular crystal-based photosynaptic devices for an artificial visual-perception system. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	40
343	A Microchannel-Confined Crystallization Strategy Enables Blade Coating of Perovskite Single Crystal Arrays for Device Integration. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908340	24	39
342	Manipulating exciton dynamics of thermally activated delayed fluorescence materials for tuning two-photon nanotheranostics. <i>Chemical Science</i> , <b>2019</b> , 11, 888-895	9.4	39
341	Formation and Photoelectric Properties of Periodically Twinned ZnSe/SiO <sub>2</sub> Nanocables. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 834-838	3.8	38
340	High-efficiency polymer electrophosphorescent diodes based on an Ir (III) complex. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 221103	3.4	38
339	High-Performance Nondoped Blue Delayed Fluorescence Organic Light-Emitting Diodes Featuring Low Driving Voltage and High Brightness. <i>Advanced Science</i> , <b>2020</b> , 7, 1902508	13.6	38

338	Dual-Targeted Multifunctional Nanoparticles for Magnetic Resonance Imaging Guided Cancer Diagnosis and Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9986-9995	9.5	37
337	The design of an extended multiple resonance TADF emitter based on a polycyclic amine/carbonyl system. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2018-2022	7.8	37
336	Light-trapping enhanced ZnO/MoS <sub>2</sub> core-shell nanopillar arrays for broadband ultraviolet-visible-near infrared photodetection. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7077-7084	7.1	36
335	Photoluminescence and electroluminescence of a new blue-emitting homoleptic iridium complex. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 093510	3.4	36
334	Greenhouse-inspired supra-photothermal CO <sub>2</sub> catalysis. <i>Nature Energy</i> , <b>2021</b> , 6, 807-814	62.3	36
333	Theoretical investigation of the singlet-triplet splittings for carbazole-based thermally activated delayed fluorescence emitters. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 26623-26629	3.6	36
332	One-step growth of organic single-crystal p-n nano-heterojunctions with enhanced visible-light photocatalytic activity. <i>Chemical Communications</i> , <b>2013</b> , 49, 9200-2	5.8	35
331	Organic nanowire/crystalline silicon p-n heterojunctions for high-sensitivity, broadband photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2039-45	9.5	35
330	A triphenylamine derivative as a single-emitting component for highly-efficient white electroluminescent devices. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3981		35
329	A new blue-emitting benzothiazole derivative for organic electroluminescent devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 85, 182-185	3.1	35
328	Ultraminiaturized Stretchable Strain Sensors Based on Single Silicon Nanowires for Imperceptible Electronic Skins. <i>Nano Letters</i> , <b>2020</b> , 20, 2478-2485	11.5	34
327	Saturated Vapor-Assisted Growth of Single-Crystalline Organic-Inorganic Hybrid Perovskite Nanowires for High-Performance Photodetectors with Robust Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10287-10295	9.5	34
326	MoO <sub>3</sub> Nanodots Decorated CdS Nanoribbons for High-Performance, Homo Junction Photovoltaic Devices on Flexible Substrates. <i>Nano Letters</i> , <b>2015</b> , 15, 3590-6	11.5	33
325	Multifunctional terpyridine/diphenylamine derivatives as highly efficient blue fluorescent emitters and red phosphorescent hosts. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1068-1076	7.1	33
324	Hue tunable, high color saturation and high-efficiency graphene/silicon heterojunction solar cells with MgF <sub>2</sub> /ZnS double anti-reflection layer. <i>Nano Energy</i> , <b>2018</b> , 46, 257-265	17.1	33
323	Efficient Solar Energy Harvesting and Storage through a Robust Photocatalyst Driving Reversible Redox Reactions. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802294	24	33
322	The Design of Quaternary Nitrogen Redox Center for High-Performance Organic Battery Materials. <i>Matter</i> , <b>2019</b> , 1, 945-958	12.7	33
321	Exciton dissociation and photovoltaic effect in germanium nanocrystals and poly(3-hexylthiophene) composites. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 233504	3.4	33

320	A comparative study of carbazole-based thermally activated delayed fluorescence emitters with different steric hindrance. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4797-4803	7.1	31
319	Blue and white solution-processed TADF-OLEDs with over 20% EQE, low driving voltages and moderate efficiency decrease based on interfacial exciplex hosts. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11806-11812	7.1	31
318	Precise Patterning of Organic Semiconductor Crystals for Integrated Device Applications. <i>Small</i> , <b>2019</b> , 15, e1900332	11	31
317	High efficiency non-doped deep-blue and fluorescent/phosphorescent white organic light-emitting diodes based on an anthracene derivative. <i>Synthetic Metals</i> , <b>2015</b> , 203, 49-53	3.6	31
316	Zn-based eutectic mixture as anolyte for hybrid redox flow batteries. <i>Scientific Reports</i> , <b>2018</b> , 8, 5740	4.9	31
315	Aligned nanowire arrays on thin flexible substrates for organic transistors with high bending stability. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1314-1320	7.1	31
314	Multifunctional Phenanthroimidazole Derivatives to Realize High-Performance Deep-Blue and White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700498	8.1	31
313	Synthesis and optical properties of Pb-doped ZnO nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2005</b> , 202, 405-410	1.6	31
312	Blue organic electroluminescence of 1,3,5-triaryl-2-pyrazoline. <i>Synthetic Metals</i> , <b>1999</b> , 105, 141-144	3.6	31
311	A Facile Method for the Growth of Organic Semiconductor Single Crystal Arrays on Polymer Dielectric toward Flexible Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902494	15.6	30
310	Efficient Orange-Red Thermally Activated Delayed Fluorescence Emitters Feasible for Both Thermal Evaporation and Solution Process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29086-29093	9.5	30
309	Large-area aligned growth of single-crystalline organic nanowire arrays for high-performance photodetectors. <i>Nanotechnology</i> , <b>2013</b> , 24, 355201	3.4	30
308	A Novel Type of Aqueous Dispersible Ultrathin-Layered Double Hydroxide Nanosheets for in Vivo Bioimaging and Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34185-34193	9.5	30
307	Tuning the Electronic and Optical Properties of Monolayers As, Sb, and Bi via Surface Charge Transfer Doping. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19530-19537	3.8	30
306	A high-efficiency hybrid white organic light-emitting diode enabled by a new blue fluorophor. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4283-4289	7.1	30
305	Carrier-free, water dispersible and highly luminescent dye nanoparticles for targeted cell imaging. <i>Nanoscale</i> , <b>2012</b> , 4, 5373-7	7.7	30
304	Improved color purity and efficiency of blue organic light-emitting diodes via suppression of exciplex formation. <i>Synthetic Metals</i> , <b>2001</b> , 118, 193-196	3.6	30
303	Enhanced cyclability of organic redox flow batteries enabled by an artificial bipolar molecule in neutral aqueous electrolyte. <i>Journal of Power Sources</i> , <b>2019</b> , 417, 83-89	8.9	30

302	Self-driven, broadband and ultrafast photovoltaic detectors based on topological crystalline insulator SnTe/Si heterostructures. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11171-11178	13	29
301	Memory phototransistors based on exponential-association photoelectric conversion law. <i>Nature Communications</i> , <b>2019</b> , 10, 1294	17.4	29
300	Achieving highly efficient simple-emission layer fluorescence/phosphorescence hybrid white organic light-emitting devices via effective confinement of triplets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8964-70	9.5	29
299	Silicon nanowire based single-molecule SERS sensor. <i>Nanoscale</i> , <b>2013</b> , 5, 8172-6	7.7	29
298	Silicon nanowire-based surface-enhanced raman spectroscopy endoscope for intracellular pH detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5811-4	9.5	29
297	Optical properties of silicon nanowires from cathodoluminescence imaging and time-resolved photoluminescence spectroscopy. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	29
296	Atomic Layer Deposition of Vanadium Oxide as Hole-Selective Contact for Crystalline Silicon Solar Cells. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000467	6.4	29
295	Water-dispersible, pH-stable and highly-luminescent organic dye nanoparticles with amplified emissions for in vitro and in vivo bioimaging. <i>Small</i> , <b>2014</b> , 10, 1125-32	11	28
294	Efficient blue organic light-emitting devices with a new bipolar emitter. <i>Organic Electronics</i> , <b>2011</b> , 12, 358-363	3.5	28
293	Efficiency enhancement utilizing hybrid charge generation layer in tandem organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 013301	3.4	28
292	Sb-induced bicrystal ZnO nanobelts. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 013103	3.4	28
291	Smart surface coating of drug nanoparticles with cross-linkable polyethylene glycol for bio-responsive and highly efficient drug delivery. <i>Nanoscale</i> , <b>2016</b> , 8, 8118-25	7.7	28
290	Tricomponent Exciplex Emitter Realizing over 20% External Quantum Efficiency in Organic Light-Emitting Diode with Multiple Reverse Intersystem Crossing Channels. <i>Advanced Science</i> , <b>2019</b> , 6, 1801938	13.6	27
289	Single-Stimulus-Induced Modulation of Multiple Optical Properties. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900388	14	27
288	Rapid-releasing of HI-6 via brain-targeted mesoporous silica nanoparticles for nerve agent detoxification. <i>Nanoscale</i> , <b>2016</b> , 8, 9537-47	7.7	27
287	Efficient visible light photocatalyst fabricated by depositing plasmonic Ag nanoparticles on conductive polymer-protected Si nanowire arrays for photoelectrochemical hydrogen generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9742-50	9.5	27
286	One- or Semi-Two-Dimensional Organic Nanocrystals Induced by Directional Supramolecular Interactions. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 16264-16268	3.8	27
285	Carrier-free nanodrugs for safe and effective cancer treatment. <i>Journal of Controlled Release</i> , <b>2021</b> , 329, 805-832	11.7	27

284	Shape regulated anticancer activities and systematic toxicities of drug nanocrystals in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 181-9	6	26
283	Large-Scale Fabrication of Silicon Nanowires for Solar Energy Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34527-34543	9.5	26
282	ZnSe nanoribbon/Si nanowire p-n heterojunction arrays and their photovoltaic application with graphene transparent electrodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22873		26
281	Real-time imaging and tracking of ultrastable organic dye nanoparticles in living cells. <i>Biomaterials</i> , <b>2016</b> , 93, 38-47	15.6	26
280	A high-yield two-step transfer printing method for large-scale fabrication of organic single-crystal devices on arbitrary substrates. <i>Scientific Reports</i> , <b>2014</b> , 4, 5358	4.9	25
279	A surface curvature oscillation model for vapour-liquid-solid growth of periodic one-dimensional nanostructures. <i>Nature Communications</i> , <b>2015</b> , 6, 6412	17.4	25
278	Efficient violet non-doped organic light-emitting device based on a pyrene derivative with novel molecular structure. <i>Organic Electronics</i> , <b>2015</b> , 23, 179-185	3.5	25
277	Promoting Charge Separation in Semiconductor Nanocrystal Superstructures for Enhanced Photocatalytic Activity. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701694	4.6	25
276	Unraveling the Mechanism of the Persistent Photoconductivity in Organic Phototransistors. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905657	15.6	25
275	Efficient, color-stable and high color-rendering-index white organic light-emitting diodes employing full thermally activated delayed fluorescence system. <i>Organic Electronics</i> , <b>2017</b> , 50, 466-472	3.5	25
274	Efficient fluorescence/phosphorescence white organic light-emitting diodes with ultra high color stability and mild efficiency roll-off. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 183304	3.4	25
273	Blue Light-Emitting Bisorthometalated Ir(III) Complex: Origin of Blue Emission and Application in Electrophosphorescent Devices. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 4743-4747	3.8	25
272	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. <i>Nano Letters</i> , <b>2019</b> , 19, 658-665	11.5	25
271	Excimer emission induced intra-system self-absorption enhancement [a novel strategy to realize high efficiency and excellent stability ternary organic solar cells processed in green solvents. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23840-23855	13	25
270	Meniscus-guided coating of organic crystalline thin films for high-performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9133-9146	7.1	24
269	Simultaneous enhanced diagnosis and photodynamic therapy of photosensitizer-doped perylene nanoparticles via doping, fluorescence resonance energy transfer, and antenna effect. <i>Chemical Communications</i> , <b>2013</b> , 49, 8072-4	5.8	24
268	In situ integration of squaraine-nanowire-array-based Schottky-type photodetectors with enhanced switching performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12288-94	9.5	24
267	Non-blinking, highly luminescent, pH- and heavy-metal-ion-stable organic nanodots for bio-imaging. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3144-3151	7.3	24

266	Doping dependent crystal structures and optoelectronic properties of n-type CdSe:Ga nanowires. <i>Nanoscale</i> , <b>2011</b> , 3, 4798-803	7.7	24
265	Single-Crystal Organic Microtubes with a Rectangular Cross Section. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 1547-1550	3.6	24
264	White OLEDs with an EQE of 21% at 5000 cd m <sup>-2</sup> and Ultra High Color Stability Based on Exciplex Host. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800825	8.1	24
263	Salt-templated growth of monodisperse hollow nanostructures. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1404-1409	13	23
262	Red/Near-Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100 % Internal Quantum Efficiency. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 14802-14807	3.6	23
261	Centimeter-Long Single-Crystalline Si Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 7323-7329	11.5	23
260	A bipolar transporter as an efficient green fluorescent emitter and host for red phosphors in multi- and single-layer organic light-emitting diodes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13762-9	4.8	23
259	CH <sub>2</sub> Cl <sub>2</sub> Interaction Induced Formation of Microtubes with Enhanced Emission. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1227-1231	3.5	23
258	Self-assembly and hierarchical patterning of aligned organic nanowire arrays by solvent evaporation on substrates with patterned wettability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5757-62	9.5	23
257	In-situ device integration of large-area patterned organic nanowire arrays for high-performance optical sensors. <i>Scientific Reports</i> , <b>2013</b> , 3, 3248	4.9	23
256	Observation of persistent photoconductance in single ZnO nanotube. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 063120	3.4	23
255	Water-Surface Drag Coating: A New Route Toward High-Quality Conjugated Small-Molecule Thin Films with Enhanced Charge Transport Properties. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005915	24	23
254	A Highly Conductive Titanium Oxynitride Electron-Selective Contact for Efficient Photovoltaic Devices. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002608	24	22
253	The impact of light irradiation timing on the efficacy of nanoformula-based photo/chemo combination therapy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3692-3702	7.3	22
252	Precisely Patterned Growth of Ultra-Long Single-Crystalline Organic Microwire Arrays for Near-Infrared Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7912-8	9.5	22
251	An organic nanowire-metal nanoparticle hybrid for the highly enhanced fluorescence detection of dopamine. <i>Chemical Communications</i> , <b>2012</b> , 48, 5883-5	5.8	22
250	Light-on fluorescent chemosensor for fluoride in aqueous solution based on ternary complex of Zr-EDTA and 4'-N,N-dimethylamino-6-methyl-3-hydroxyflavone. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 125, 447-452	8.5	22
249	Patterning Liquid Crystalline Organic Semiconductors via Inkjet Printing for High-Performance Transistor Arrays and Circuits. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100237	15.6	22

248	High-mobility air-stable n-type field-effect transistors based on large-area solution-processed organic single-crystal arrays. <i>Nano Research</i> , <b>2018</b> , 11, 882-891	10	22
247	Efficient solution-processed orange-red organic light-emitting diodes based on a novel thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9152-9157	7.1	21
246	ZnSe nanowire/Si p-n heterojunctions: device construction and optoelectronic applications. <i>Nanotechnology</i> , <b>2013</b> , 24, 395201	3.4	21
245	Formation of ZnS/SiO <sub>2</sub> nanocables. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 173111	3.4	21
244	Hydrogen bond-modulated molecular packing and its applications in high-performance non-doped organic electroluminescence. <i>Materials Horizons</i> , <b>2020</b> , 7, 2734-2740	14.4	21
243	Isomeric thermally activated delayed fluorescence emitters based on indolo[2,3-b]acridine electron-donor: a compromising optimization for efficient orange/red organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2898-2904	7.1	20
242	Chain rigidity modification to promote the electrochemical performance of polymeric battery electrode materials. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10581-10588	13	20
241	Hydrogen-Bonding Strategy to Optimize Charge Distribution of PC71BM and Enable a High Efficiency of 12.45% for Organic Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800038	7.1	20
240	A new multifunctional fluorenyl carbazole hybrid for high performance deep blue fluorescence, orange phosphorescent host and fluorescence/phosphorescence white OLEDs. <i>Dyes and Pigments</i> , <b>2013</b> , 97, 273-277	4.6	20
239	Stability of Hydrogen-Terminated Surfaces of Silicon Nanowires in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3866-3871	3.8	20
238	An effective fluorescent chemosensor for the detection of copper(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2005</b> , 61, 61-5	4.4	20
237	High-performance red organic light-emitting devices based on an exciplex system with thermally activated delayed fluorescence characteristic. <i>Organic Electronics</i> , <b>2016</b> , 39, 10-15	3.5	20
236	Using fluorene to lock electronically active moieties in thermally activated delayed fluorescence emitters for high-performance non-doped organic light-emitting diodes with suppressed roll-off. <i>Chemical Science</i> , <b>2020</b> , 12, 1495-1502	9.4	20
235	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10007-10011	3.6	19
234	Releasing the Trapped Light for Efficient Silver Nanowires-Based White Flexible Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900985	8.1	19
233	Functional core/shell drug nanoparticles for highly effective synergistic cancer therapy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1475-85	10.1	19
232	The effect of functional group substitution on the photoluminescence and electroluminescence of pyrazoline derivatives. <i>Synthetic Metals</i> , <b>2000</b> , 114, 115-117	3.6	19
231	Silicon/Organic Heterojunction for Photoelectrochemical Energy Conversion Photoanode with a Record Photovoltage. <i>ACS Nano</i> , <b>2016</b> , 10, 9411-9419	16.7	19

230	Optimization on Molecular Restriction for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800935	8.1	19
229	Ordered and Patterned Assembly of Organic Micro/Nanocrystals for Flexible Electronic and Optoelectronic Devices. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600280	6.8	18
228	External-force-driven solution epitaxy of large-area 2D organic single crystals for high-performance field-effect transistors. <i>Nano Research</i> , <b>2019</b> , 12, 2796-2801	10	18
227	A novel nicotinonitrile derivative as an excellent multifunctional blue fluorophore for highly efficient hybrid white organic light-emitting devices. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8817-8823	7.1	18
226	1D Organic/Inorganic Hybrid Perovskite Micro/Nanocrystals: Fabrication, Assembly, and Optoelectronic Applications. <i>Small Methods</i> , <b>2018</b> , 2, 1700340	12.8	18
225	TiO <sub>2</sub> -Photoanode-Assisted Direct-Solar-Energy Harvesting and Storage in a Solar-Powered Redox Cell Using Halides as Active Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23048-23054	9.5	18
224	Very facile fabrication of aligned organic nanowires based high-performance top-gate transistors on flexible, transparent substrate. <i>Organic Electronics</i> , <b>2014</b> , 15, 1317-1323	3.5	18
223	Nitrogen-doped silicon nanowires: Synthesis and their blue cathodoluminescence and photoluminescence. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 143110	3.4	18
222	Electrogenerated chemiluminescence. 75. Electrochemistry and ECL of 9,10-bis(2-naphthyl)anthracene. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 566, 409-413	4.1	18
221	Large-scale fabrication and characterization of Cd-doped ZnO nanocantilever arrays. <i>Micron</i> , <b>2005</b> , 36, 55-9	2.3	18
220	Nonlinear optical refractive indices and absorption coefficients of $\beta$ -unsaturated ketone derivatives. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2001</b> , 18, 1456	1.7	18
219	Roles of interfaces in the ideality of organic field-effect transistors. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 454-472	10.8	18
218	High Voltage, Transition Metal Complex Enables Efficient Electrochemical Energy Storage in a Li-Ion Battery Full Cell. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604299	15.6	17
217	A general and mild route to highly dispersible anisotropic magnetic colloids for sensing weak magnetic fields. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5528-5535	7.1	17
216	Highly luminescent and photostable core-shell dye nanoparticles for high efficiency bioimaging. <i>Chemical Communications</i> , <b>2014</b> , 50, 737-9	5.8	17
215	Controlled Growth of Large-Area Aligned Single-Crystalline Organic Nanoribbon Arrays for Transistors and Light-Emitting Diodes Driving. <i>Nano-Micro Letters</i> , <b>2017</b> , 9, 52	19.5	17
214	Fabrication and characterization of Zn-doped CdTe nanowires. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 81, 1647-1650	2.6	17
213	Thermally Activated Delayed Fluorescence Warm White Organic Light Emitting Devices with External Quantum Efficiencies Over 30%. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101647	15.6	17

212	Bromine-substituted triphenylamine derivatives with improved hole-mobility for highly efficient green phosphorescent OLEDs with a low operating voltage. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10301-10308	7.1	17
211	Efficient solution-processed red organic light-emitting diode based on an electron-donating building block of pyrrolo[3,2-b]pyrrole. <i>Organic Electronics</i> , <b>2019</b> , 65, 110-115	3.5	17
210	Few-layer formamidinium lead bromide nanoplatelets for ultrapure-green and high-efficiency light-emitting diodes. <i>Nano Research</i> , <b>2019</b> , 12, 171-176	10	17
209	Approaching Efficient and Narrow RGB Electroluminescence from D-A-Type TADF Emitters Containing an Identical Multiple Resonance Backbone as the Acceptor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 36089-36097	9.5	17
208	pH and redox dual responsive carrier-free anticancer drug nanoparticles for targeted delivery and synergistic therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 20, 102008	6	16
207	Excellent deep-blue emitting materials based on anthracene derivatives for non-doped organic light-emitting diodes. <i>Optical Materials</i> , <b>2016</b> , 58, 260-267	3.3	16
206	Intermolecular Charge-Transfer Transition Emitter Showing Thermally Activated Delayed Fluorescence for Efficient Non-Doped OLEDs. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9624-9628	3.6	16
205	A stable high performance LiS battery with a polysulfide ion blocking layer. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5602	13	16
204	Large-scale assembly of organic micro/nanocrystals into highly ordered patterns and their applications for strain sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11018-24	9.5	16
203	Air heating approach for multilayer etching and roll-to-roll transfer of silicon nanowire arrays as SERS substrates for high sensitivity molecule detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 977-84	9.5	16
202	Large-scale controllable patterning growth of aligned organic nanowires through evaporation-induced self-assembly. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 975-80	4.8	16
201	Highly efficient blue organic electrophosphorescence devices using a trifluorine-replaced iridium complex. <i>Organic Electronics</i> , <b>2011</b> , 12, 2061-2064	3.5	16
200	Lithium intercalation and diffusion in TiO <sub>2</sub> nanotubes: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 24370-6	3.6	16
199	Precise Patterning of Organic Single Crystals via Capillary-Assisted Alternating-Electric Field. <i>Small</i> , <b>2017</b> , 13, 1604261	11	15
198	Air Effect on the Ideality of p-Type Organic Field-Effect Transistors: A Double-Edged Sword. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1906653	15.6	15
197	Development of Red Exciplex for Efficient OLEDs by Employing a Phosphor as a Component. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 16	5	15
196	High-Performance Nanofloating Gate Memory Based on Lead Halide Perovskite Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24367-24376	9.5	15
195	Dilution of the Electron Density in the $\pi$ -Conjugated Skeleton of Organic Cathode Materials Improves the Discharge Voltage. <i>ChemSusChem</i> , <b>2020</b> , 13, 2264-2270	8.3	15

194	Local-Curvature-Controlled Non-Epitaxial Growth of Hierarchical Nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3772-3776	16.4	15
193	Gram-scale synthesis of superparamagnetic FeO nanocrystal clusters with long-term charge stability for highly stable magnetically responsive photonic crystals. <i>Nanoscale</i> , <b>2016</b> , 8, 19036-19042	7.7	15
192	Polyhedral Organic Microcrystals: From Cubes to Rhombic Dodecahedra. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 9285-9287	3.6	15
191	Efficient and stable single-dopant white OLEDs based on 9,10-bis (2-naphthyl) anthracene. <i>Journal of Luminescence</i> , <b>2006</b> , 121, 568-572	3.8	15
190	Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation. <i>Small</i> , <b>2020</b> , 16, e2002672	11	15
189	Recent progress in thermally activated delayed fluorescence emitters for nondoped organic light-emitting diodes. <i>Chemical Science</i> , <b>2022</b> , 13, 3625-3651	9.4	15
188	Fast deposition of an ultrathin, highly crystalline organic semiconductor film for high-performance transistors. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1096-1105	10.8	14
187	CdS Nanoribbon-Based Resistive Switches with Ultrawidely Tunable Power by Surface Charge Transfer Doping. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706577	15.6	14
186	The diameter-dependent photoelectrochemical performance of silicon nanowires. <i>Chemical Communications</i> , <b>2016</b> , 52, 1369-72	5.8	14
185	A reticuloendothelial system-stealthy dye/albumin nanocomplex as a highly biocompatible and highly luminescent nanoprobe for targeted in vivo tumor imaging. <i>RSC Advances</i> , <b>2014</b> , 4, 6120	3.7	14
184	Carrier-free, functionalized pure drug nanorods as a novel cancer-targeted drug delivery platform. <i>Nanotechnology</i> , <b>2013</b> , 24, 015103	3.4	14
183	Fabrication of large-scale ultra-fine Cd-doped ZnO nanowires. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 340-346	3.4	14
182	Fluoride-selective Colorimetric Sensors Based on Hydrazone Functionality. <i>Chemistry Letters</i> , <b>2004</b> , 33, 850-851	1.7	14
181	Morphology-controllable preparation of 1D poly(vinyl pyrrolidone) nanostructured arrays. <i>Nanotechnology</i> , <b>2005</b> , 16, 433-436	3.4	14
180	Graphene-Quantum-Dots-Induced Centimeter-Sized Growth of Monolayer Organic Crystals for High-Performance Transistors. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003315	24	14
179	Highly efficient ternary polymer-based solution-processable exciplex with over 20% external quantum efficiency in organic light-emitting diode. <i>Organic Electronics</i> , <b>2020</b> , 76, 105449	3.5	14
178	Application of Silicon Oxide on High Efficiency Monocrystalline Silicon PERC Solar Cells. <i>Energies</i> , <b>2019</b> , 12, 1168	3.1	13
177	Hydrogen-Terminated Si Nanowires as Label-Free Colorimetric Sensors in the Ultrasensitive and Highly Selective Detection of Fluoride Anions in Pure Water Phase. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1506-1510	15.6	13

176	Smart nanorods for highly effective cancer theranostic applications. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 906-15	10.1	13
175	Highly branched organic microcrystals via self-organization and growth kinetics manipulation. <i>CrystEngComm</i> , <b>2012</b> , 14, 8124	3.3	13
174	Crystal Structure Origin for Shape-Dependent Emission of 2,5,8,11-Tetra-tert-butylperylene Micro-/Nanocrystals. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 3677-3680	3.5	13
173	Controlled synthesis of oriented 1D ZnO nanostructures on transparent conductive substrates. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1832-8	1.3	13
172	Preparation and photoluminescence of Sc-doped ZnO nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 25, 587-591	3	13
171	A mechanistic study of silica-etching by hot water. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 1440-1446	4.6	13
170	Construction of Single-Atom Platinum Catalysts Enabled by CsPbBr Nanocrystals. <i>ACS Nano</i> , <b>2021</b> ,	16.7	13
169	Precise Positioning of Organic Semiconductor Single Crystals with Two-Component Aligned Structure through 3D Wettability-Induced Sequential Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36205-36212	9.5	12
168	Highly efficient thermally activated delayed fluorescence emitters based on novel Indolo[2,3-b]acridine electron-donor. <i>Organic Electronics</i> , <b>2018</b> , 57, 327-334	3.5	12
167	A skin-like stretchable colorimetric temperature sensor. <i>Science China Materials</i> , <b>2018</b> , 61, 969-976	7.1	12
166	Ternary organic solar cells with a phase-modulated surface distribution via the addition of a small molecular luminescent dye to obtain a high efficiency over 10.5. <i>Nanoscale</i> , <b>2018</b> , 10, 16455-16467	7.7	12
165	Z-scan measurement of a novel amorphous molecular material. <i>Optics Communications</i> , <b>2001</b> , 191, 427-433		12
164	Space charge induced electroluminescence spectra shift in organic light-emitting diodes. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 014513	2.5	12
163	Managing Locally Excited and Charge-Transfer Triplet States to Facilitate Up-Conversion in Red TADF Emitters That Are Available for Both Vacuum- and Solution-Processes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2508-2514	3.6	12
162	Improving Ideality of P-Type Organic Field-Effect Transistors via Preventing Undesired Minority Carrier Injection. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100202	15.6	12
161	Dibenzofuran/dibenzothiophene as the secondary electron-donors for highly efficient blue thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4475-4483	7.1	11
160	Thermal Transport Engineering in Graphdiyne and Graphdiyne Nanoribbons. <i>ACS Omega</i> , <b>2019</b> , 4, 4147-4152	3.52	11
159	A Stable Flexible Silicon Nanowire Array as Anode for High-Performance Lithium-ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 321-326	6.7	11

158	Stacking induced high current density and improved efficiency in ternary organic solar cells. <i>Nanoscale</i> , <b>2018</b> , 10, 9971-9980	7.7	11
157	Doxorubicin@Bcl-2 siRNA Core@Shell Nanoparticles for Synergistic Anticancer Chemotherapy.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 289-297	4.1	11
156	Si/poly-CuTAPC coaxial core-shell nanowire array as enhanced visible-light photocatalyst for hydrogen production. <i>Chemical Communications</i> , <b>2012</b> , 48, 2815-7	5.8	11
155	High-efficiency endothermic energy transfer in polymeric light-emitting devices based on cyclometalated Ir complexes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 023301	3.4	11
154	The novel bicrystalline GaN nanorods. <i>Materials Letters</i> , <b>2004</b> , 58, 3578-3581	3.3	11
153	Colorimetric detection and differentiation of fluoride and dihydrogenphosphate anions. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 106, 343-346	8.5	11
152	The Size-Dependence of 1,5-Diphenyl-3-naphthyl-2-pyrazoline Nanocrystals. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 220, 177-180	9.3	11
151	Intramolecular H-bond design for efficient orange-red thermally activated delayed fluorescence based on a rigid dibenzo[f,h]pyrido[2,3-b]quinoxaline acceptor. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15728-15734	7.1	11
150	Extended Dihydrophenazine-Based Polymeric Cathode Material for High-Performance Organic Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17868-17875	8.3	11
149	Pyridyl group design in viologens for anolyte materials in organic redox flow batteries.. <i>RSC Advances</i> , <b>2018</b> , 8, 18762-18770	3.7	11
148	Conjugated Polymers: Optical Toolbox for Bioimaging and Cancer Therapy. <i>Small</i> , <b>2021</b> , 17, e2103127	11	11
147	Characterizing the Conformational Distribution in an Amorphous Film of an Organic Emitter and Its Application in a "Self-Doping" Organic Light-Emitting Diode. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25878-25883	16.4	11
146	Photodetectors based on small-molecule organic semiconductor crystals. <i>Chinese Physics B</i> , <b>2019</b> , 28, 038102	1.2	10
145	The aspect ratio effect of drug nanocrystals on cellular internalization efficiency, uptake mechanisms, and in vitro and in vivo anticancer efficiencies. <i>Nanoscale</i> , <b>2015</b> , 7, 3588-93	7.7	10
144	High-performance organic red-light-emitting device based on DCJTb and a new host material. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 70-73	3.8	10
143	A facile route to fabrication of inorganic-small organic molecule cable-like nanocomposite arrays. <i>Chemical Communications</i> , <b>2005</b> , 4202-4	5.8	10
142	Theoretical Studies of Bipolar Transport in CBTBT-FTCNQ Donor-Acceptor Cocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 359-365	6.4	10
141	The Impact of Thermal Treatment on Light-Induced Degradation of Multicrystalline Silicon PERC Solar Cell. <i>Energies</i> , <b>2019</b> , 12, 416	3.1	9

140	Controlled 2D growth of organic semiconductor crystals by suppressing coffee-ring effect. <i>Nano Research</i> , <b>2020</b> , 13, 2478-2484	10	9
139	Flame-retarding battery cathode materials based on reversible multi-electron redox chemistry of phenothiazine-based polymer. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 256-262	12	9
138	Template fabrication of SiO <sub>2</sub> nanotubes. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 103114	3.4	9
137	Oxide Shell Assisted Vapor-Liquid-Solid Growth of Periodic Composite Nanowires: A Case of Si/Sn. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5598-5601	9.6	9
136	Fully Solution-Printed Photosynaptic Transistor Array with Ultralow Energy Consumption for Artificial Vision Neural Network. <i>Advanced Materials</i> , <b>2022</b> , e2200380	24	9
135	One-step fabrication of CdS:MoO <sub>3</sub> @MoO <sub>4</sub> core-shell nanoribbons for nonvolatile memory devices with high resistance switching. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6156-6162	7.1	8
134	Thermally activated delayed fluorescence emitters with low concentration sensitivity for highly efficient organic light emitting devices. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8923-8928	7.1	8
133	Green solution-processed thermally activated delayed fluorescence OLEDs with improved performance by using interfacial exciplex host. <i>Organic Electronics</i> , <b>2019</b> , 73, 36-42	3.5	8
132	Forming submicron in micron texture on the diamond-wire-sawn mc-Si wafer by introducing artificial defects. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2020</b> , 28, 788-797	6.8	8
131	Tuning the electronic transport anisotropy in $\beta$ -phase phosphorene through superlattice design. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	8
130	An Inherent Multifunctional Sellotape Substrate for High-Performance Flexible and Wearable Organic Single-Crystal Nanowire Array-Based Transistors. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 16001294	6.4	8
129	Optical absorption and photoelectrochemical performance enhancement in Si tube array for solar energy harvesting application. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 163906	3.4	8
128	Novel brominated compounds using in binary additives based organic solar cells to achieve high efficiency over 10.3%. <i>Organic Electronics</i> , <b>2017</b> , 50, 507-514	3.5	8
127	Efficient Hole-Blocker with Electron Transporting Property and Its Applications in Blue Organic Light-Emitting Devices. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16792-16795	3.8	8
126	Structural and electronic properties of 9R diamond polytype. <i>Solid State Communications</i> , <b>2005</b> , 136, 41-44	1.6	8
125	Thermal transport in amorphous small organic materials: a mechanistic study. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 3058-3065	3.6	8
124	High-Performance Nondoped Organic Light-Emitting Diode Based on a Thermally Activated Delayed Fluorescence Emitter with 1D Intermolecular Hydrogen Bonding Interactions. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100461	8.1	8
123	All-Earth-Abundant Photothermal Silicon Platform for CO <sub>2</sub> Catalysis with Nearly 100% Sunlight Harvesting Ability. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000387	7.1	8

122	Hydrogen-Bond-Assisted Exciplex Emitters Realizing Improved Efficiencies and Stabilities in Organic Light Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010100	15.6	8
121	Synergistic impeding of phonon transport through resonances and screw dislocations. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	8
120	One-step growth of large-area silicon nanowire fabrics for high-performance multifunctional wearable sensors. <i>Nano Research</i> , <b>2019</b> , 12, 2723-2728	10	7
119	Chiral thermally activated delayed fluorescence emitters with dual conformations based on a pair of enantiomeric donors containing asymmetric carbons. <i>Dyes and Pigments</i> , <b>2020</b> , 178, 108336	4.6	7
118	Facile formation of microscale hollow superstructures made of organic nanocrystals and their application as a humidity sensor. <i>CrystEngComm</i> , <b>2012</b> , 14, 819-823	3.3	7
117	Efficient and stable non-doped deep-blue organic light emitting diode based on an anthracene derivative. <i>Science China Chemistry</i> , <b>2011</b> , 54, 666-670	7.9	7
116	Bulk Preparation of Si <sub>3</sub> SiO <sub>x</sub> Hierarchical Structures: High-Density Radially Oriented Amorphous Silica Nanowires on a Single-Crystal Silicon Nanocore. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7094-7097	3.6	7
115	Surficial Marangoni Flow-Induced Growth of Ultrathin 2D Molecular Crystals on Target Substrates. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901753	4.6	7
114	Compact Biomimetic Hair Sensors Based on Single Silicon Nanowires for Ultrafast and Highly-Sensitive Airflow Detection. <i>Nano Letters</i> , <b>2021</b> , 21, 4684-4691	11.5	7
113	Orbital-dependent redox potential regulation of quinone derivatives for electrical energy storage.. <i>RSC Advances</i> , <b>2019</b> , 9, 5164-5173	3.7	7
112	Highly Efficient Thermally Activated Delayed Fluorescence Emitter Developed by Replacing Carbazole With 1,3,6,8-Tetramethyl-Carbazole. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 17	5	7
111	Solution-Doped Polysilicon Passivating Contacts for Silicon Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8455-8460	9.5	7
110	Anthraquinone-based anode material for aqueous redox flow batteries operating in nondemanding atmosphere. <i>Journal of Power Sources</i> , <b>2021</b> , 501, 229984	8.9	7
109	A Three-Dimensional Confined Crystallization Strategy Toward Controllable Growth of High-Quality and Large-Area Perovskite Single Crystals. <i>Advanced Functional Materials</i> , 2112758	15.6	7
108	Thermally Activated Delayed Fluorescent Dendrimers that Underpin High-efficiency Host-Free Solution-Processed Organic Light Emitting Diodes.. <i>Advanced Materials</i> , <b>2022</b> , e2110344	24	7
107	Fine-tuning the emissions of highly efficient thermally activated delayed fluorescence emitters with different linking positions of electron-deficient substituent groups. <i>Dyes and Pigments</i> , <b>2017</b> , 143, 62-70	4.6	6
106	Quantitative analysis of photons' decaying pathways in Si nanowire arrays for highly efficient photoelectrochemical solar hydrogen generation. <i>Chemical Communications</i> , <b>2015</b> , 51, 3383-6	5.8	6
105	Large-scale assembly of semiconductor nanowires into desired patterns for sensor applications. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1776	3.6	6

104	Facile One-Step Fabrication of Ordered Ultra-Long Organic Microwires Film for Flexible Near-Infrared Photodetectors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 4450-6	1.3	6
103	Self-assembly of ZnO/SiO <sub>2</sub> hierarchical nanostructures array on metal substrate. <i>Chemical Communications</i> , <b>2009</b> , 5916-8	5.8	6
102	Cathodoluminescence and photoluminescence of individual silicon nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 1512-1517	1.6	6
101	A New Series of Blue Emitting Pyrazine Derivatives for Organic Electroluminescence Devices. <i>Physica Status Solidi A</i> , <b>2001</b> , 185, 203-211		6
100	Scalable Growth of Organic Single-Crystal Films via Orientation Filter Funnel for High-Performance Transistors with Excellent Uniformity.. <i>Advanced Materials</i> , <b>2022</b> , e2109818	24	6
99	6,12-Dihydro-6,12-diboradibenzo[def,mno]chrysene: A Doubly Boron-Doped Polycyclic Aromatic Hydrocarbon for Organic Light Emitting Diodes by a One-Pot Synthesis. <i>Organic Letters</i> , <b>2020</b> , 22, 7942-7946	6.2	6
98	Origin of thermally activated delayed fluorescence in a donor-acceptor type emitter with an optimized nearly planar geometry. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13263-13269	7.1	6
97	A core-shell catalyst design boosts the performance of photothermal reverse water gas shift catalysis. <i>Science China Materials</i> , <b>2021</b> , 64, 2212-2220	7.1	6
96	Nonconjugated Triptycene-Spaced Donor-Acceptor-Type Emitters Showing Thermally Activated Delayed Fluorescence via Both Intra- and Intermolecular Charge-Transfer Transitions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 25193-25201	9.5	6
95	Dispersing hydrophilic nanoparticles in nonaqueous solvents with superior long-term stability. <i>RSC Advances</i> , <b>2017</b> , 7, 25535-25541	3.7	5
94	Tuning Electrical and Raman Scattering Properties of Cadmium Sulfide Nanoribbons via Surface Charge Transfer Doping. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 15794-15801	3.8	5
93	Tailoring the Voltage Gap of Organic Battery Materials Based on a Multi-Electron Redox Chemistry. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1781-1788	4.3	5
92	Non-ionic surfactant-novel agents to realize high efficiency non-fullerene opaque and semitransparent organic solar cells with Enhanced Stability. <i>Organic Electronics</i> , <b>2018</b> , 62, 195-202	3.5	5
91	Constructing a novel single-layer white organic light-emitting device through a new sky-blue fluorescent bipolar host. <i>Organic Electronics</i> , <b>2014</b> , 15, 3514-3520	3.5	5
90	A silicon/zinc 2,9,16,23-tetraaminophthalocyanine coaxial core-shell nanowire array as an efficient solar hydrogen generation photocatalyst. <i>Nanotechnology</i> , <b>2012</b> , 23, 175401	3.4	5
89	One-Step Self-Assembly, Alignment, and Patterning of Organic Semiconductor Nanowires by Controlled Evaporation of Confined Microfluids. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2863-2867	3.6	5
88	Facile and green fabrication of organic single-crystal hollow micro/nanostructures. <i>Nanotechnology</i> , <b>2011</b> , 22, 285606	3.4	5
87	Synthesis of hollow silica spheres with hierarchical shell structure by the dual action of liquid indium microbeads in vapor-liquid-solid growth. <i>Langmuir</i> , <b>2011</b> , 27, 7996-9	4	5

86	An efficient chloride-selective fluorescent chemosensor based on 2,9-bis(4'-hydroxyphenyl)phenanthroline Cu(II) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 67, 281-6	4.4	5
85	Dart-Shaped Tricrystal ZnS Nanoribbons. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2630-2633	3.6	5
84	Conformal MoS <sub>2</sub> /Silicon Nanowire Array Heterojunction with Enhanced Light Trapping and Effective Interface Passivation for Ultraweak Infrared Light Detection. <i>Advanced Functional Materials</i> , 2108174	15.6	5
83	Charge-transfer transition regulation of thermally activated delayed fluorescence emitters by changing the valence of sulfur atoms. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17457-17463	7.1	5
82	Ambient instability of organic field-effect transistors and its improvement strategies. <i>Journal Physics D: Applied Physics</i> ,	3	5
81	Progress and Future Prospects of Wide-Bandgap Metal-Compound-Based Passivating Contacts for Silicon Solar Cells.. <i>Advanced Materials</i> , <b>2022</b> , e2200344	24	5
80	Patterned growth of single-crystal 3, 4, 9, 10-perylenetetracarboxylic dianhydride nanowire arrays for field-emission and optoelectronic devices. <i>Nanotechnology</i> , <b>2015</b> , 26, 295302	3.4	4
79	All-in-One, Solid-State, Solar-Powered Electrochemical Cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57182-57189	9.5	4
78	Theoretical studies on full-color thermally activated delayed fluorescence molecules. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5839-5846	7.1	4
77	Novel star-shaped yellow thermally activated delayed fluorescence emitter realizing over 10% external quantum efficiency at high luminance of 30000 cd m <sup>-2</sup> in OLED. <i>Organic Electronics</i> , <b>2018</b> , 62, 220-226	3.5	4
76	Low-cost solar cell based on a composite of silicon nanowires and a highly conductive nonphotoactive polymer. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17273-6	4.8	4
75	INTERACTION IN BENZENE DIMER STUDIED USING DENSITY FUNCTIONAL THEORY AUGMENTED WITH AN EMPIRICAL DISPERSION TERM. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2010</b> , 09, 109-123	1.8	4
74	Amorphous silicon as electron transport layer for colloidal semiconductor nanocrystals light emitting diode. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 233502	3.4	4
73	Controlled formation of Ni(DMG) <sub>2</sub> microrods/tubes by manipulating the kinetics of chemical reactions and their application in naked-eye sensors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 6592-5	1.3	4
72	Large-scale silica nanowire array grown on liquid tin and its applications as Hg (II) scavenger. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023119	3.4	4
71	A novel visible light photo-induced acid-generation system. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 84, 909-915	2.9	4
70	Managing Intersegmental Charge-Transfer and Multiple Resonance Alignments of D3-A Typed TADF Emitters for Red OLEDs with Improved Efficiency and Color Purity. <i>Advanced Optical Materials</i> , 2101789	8.1	4
69	Ru-Catalyzed Reverse Water Gas Shift Reaction with Near-Unity Selectivity and Superior Stability. <b>2021</b> , 3, 1652-1659		4

68	Single-Crystalline Silicon Frameworks: A New Platform for Transparent Flexible Optoelectronics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008171	24	4
67	A facile method for fabrication of highly integrated organic field-effect transistors on photoresist-unwettable insulators with remarkable stability. <i>Organic Electronics</i> , <b>2016</b> , 34, 104-110	3.5	4
66	Optimizing Intermolecular Interactions and Energy Level Alignments of Red TADF Emitters for High-Performance Organic Light-Emitting Diodes.. <i>Small</i> , <b>2022</b> , e2201548	11	4
65	Molecular deposition condition dependent structural and charge transport properties of CBP films. <i>Computational Materials Science</i> , <b>2020</b> , 182, 109785	3.2	3
64	Bismuth-catalyzed and doped p-type ZnSe nanowires and their temperature-dependent charge transport properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 857-862	7.1	3
63	Si nanowire directly grown on a liquid metal substrate--towards wafer scale transferable nanowire arrays with improved visible-light sterilization. <i>Nanotechnology</i> , <b>2014</b> , 25, 145601	3.4	3
62	A New Multifunctional Triazine/Carbazole Compound with High Triplet Energy for High-Performance Blue Fluorescence, Green and Red Phosphorescent Host, and Hybrid White Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 952-957	3.4	3
61	Impact of compound doping on hole and electron balance in p-i-n organic light-emitting diodes. <i>AIP Advances</i> , <b>2013</b> , 3, 102124	1.5	3
60	Electron Transport Suppression from Tip-State Interaction on Si(100)-2 × 1 Surfaces. <i>Journal of Chemical Theory and Computation</i> , <b>2011</b> , 7, 707-12	6.4	3
59	UV irradiation induced switching of surface charge polarity on pyrene modified Si nanowires. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 253101	3.4	3
58	Transmission electron microscopy investigation of Sb-doped ZnO nanoribbons and Zn <sub>7</sub> Sb <sub>2</sub> O <sub>12</sub> branched ZnO nanoribbon structure. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 2200-3	1.3	3
57	Reddish Organic Light Electroluminescent Device with DPP Emitting Layer. <i>Physica Status Solidi A</i> , <b>1999</b> , 173, 491-494		3
56	Super-Hydrophobic Silicon/Silica Hierarchical Structure Film. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2011</b> , 27, 2233-2238	3.8	3
55	Pyridine-substituted triazine as an acceptor for thermally activated delayed fluorescence emitters showing high efficiency and low roll-off in organic light-emitting diodes. <i>Materials Today Energy</i> , <b>2021</b> , 20, 100581	7	3
54	Novel triazine derivatives with deep LUMO energy levels as the electron-accepting components of exciplexes. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 939-946	7.1	3
53	Metal-catalyzed chemical etching using DIO <sub>3</sub> as a hole injection agent for efficient submicron-textured multicrystalline silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2021</b> , 227, 111104	6.4	3
52	Self-crosslinked herringbone dihydrophenazine derivatives for high performance organic batteries. <i>Composites Communications</i> , <b>2021</b> , 28, 100947	6.7	3
51	Forcing dimethylacridine crooking to improve the efficiency of orange-red thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10416-10421	7.1	2

50	OLEDs: Novel Strategy to Develop Exciplex Emitters for High-Performance OLEDs by Employing Thermally Activated Delayed Fluorescence Materials (Adv. Funct. Mater. 12/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2036-2036	15.6	2
49	The origin of luminescence from di[4-(4-diphenylaminophenyl)phenyl]sulfone (DAPSF), a blue light emitter: an X-ray excited optical luminescence (XEOL) and X-ray absorption near edge structure (XANES) study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6406-10	3.6	2
48	Highly efficient and stable Si nanowires array embedded into transparent polymer for visible light photoelectrochemical cell. <i>Nanotechnology</i> , <b>2014</b> , 25, 265401	3.4	2
47	Surface engineering of organic nanoparticles for highly improved bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 596-604	6	2
46	Highly efficient white fluorescence/phosphorescence hybrid organic light emitting devices based on an efficient hole-transporting blue emitter. <i>Dyes and Pigments</i> , <b>2015</b> , 115, 149-153	4.6	2
45	Inside Cover: Polyhedral Organic Microcrystals: From Cubes to Rhombic Dodecahedra (Angew. Chem. Int. Ed. 48/2009). <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9002-9002	16.4	2
44	A new family of solution-processible tris-(pinene-phenylpyridine) iridium(III) derivatives for polymer light-emitting diodes. <i>Synthetic Metals</i> , <b>2009</b> , 159, 689-694	3.6	2
43	Electronic structure and optical properties of 2,5,8,11-tetra-tert-butylperylene polyhedral crystals from x-ray absorption near-edge structure and x-ray excited optical luminescence studies. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 243106	3.4	2
42	Solvatochromic effect of a fluorescence probe used to study the environmental properties of organic montmorillonite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 279, 233-237	5.1	2
41	Wafer-Scale Fabrication of Silicon Nanocones via Controlling Catalyst Evolution in All-Wet Metal-Assisted Chemical Etching.. <i>ACS Omega</i> , <b>2022</b> , 7, 2234-2243	3.9	2
40	Using fullerene fragments as acceptors to construct thermally activated delayed fluorescence emitters for high-efficiency organic light-emitting diodes. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134731-7	14.7	2
39	A STUDY ON THE INTERACTION OF SODIUM POLYSTYRENE SULFONATE WITH CATIONIC SURFACTANTS AND THE FORMATION OF NANO-AGGREGATES. <i>Acta Polymerica Sinica</i> , <b>2006</b> , 006, 76-81		2
38	Photo-physical Behavior of Modified $\beta$ -Cyclodextrin by Dimethylamino Chalcone in Different Solvents. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2002</b> , 18, 495-499	3.8	2
37	Emission Behavior of Non-Planar Intra-Molecular Conjugated Charge Transfer Compounds. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2003</b> , 19, 670-674	3.8	2
36	Multicore Ferrocene Derivative as a Highly Soluble Cathode Material for Nonaqueous Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 855-861	6.1	2
35	An Ice-melting kinetic control strategy for highly photocatalytic organic nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25275-25282	13	2
34	Atomic-Scale Interface Engineering for Constructing p-CuPc/n-CdS Core-Shell Heterojunctions toward Light-Harvesting Application. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 8765-8773	6.1	2
33	Improving performance of thermally activated delayed fluorescence emitter by extending its LUMO distribution. <i>Science China Materials</i> , <b>2019</b> , 62, 719-728	7.1	2

32	Combining histone deacetylase inhibitors (HDACis) with other therapies for cancer therapy. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 226, 113825	6.8	2
31	Effective Design Strategy of Small Bipolar Molecules through Fused Conjugation toward 2.5 V Based Redox Flow Batteries.. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1274-1283	20.1	2
30	Understanding Non-Twinning Zigzag Nanowire Formation for New Nanoscale Devices. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 673-677	5.6	1
29	White OLEDs: Management of Singlet and Triplet Excitons in a Single Emission Layer: A Simple Approach for a High-Efficiency Fluorescence/Phosphorescence Hybrid White Organic Light-Emitting Device (Adv. Mater. 25/2012). <i>Advanced Materials</i> , <b>2012</b> , 24, 3290-3290	24	1
28	First-principles study of silicon bulk and nanowire (111) surfaces terminated with trihydrides: Symmetric, rotated, and tilted. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	1
27	Controllable synthesis of 6H-1,4-diazepine-2,3-dicarbonitrile nanocrystals and their optical properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7405-8	1.3	1
26	Grafting Branches and Diameter Adjustment to Nanotubes. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3740-3744	9.6	1
25	Thermally activated delayed fluorescence exciplexes in organic light-emitting diodes <b>2022</b> , 353-426		1
24	A facile strategy for enhancing reverse intersystem crossing of red thermally activated delayed fluorescence emitters. <i>Chemical Engineering Journal</i> , <b>2022</b> , 433, 134423	14.7	1
23	Efficient and stable single-emitting-layer white organic light-emitting diodes by employing all thermally activated delayed fluorescence emitters. <i>Organic Electronics</i> , <b>2022</b> , 101, 106415	3.5	1
22	Facile synthesis of near-infrared bodipy by donor engineering for tumor targeted dual-modal imaging. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9308-9315	7.3	1
21	Precise patterning of single crystal arrays of organic semiconductors by a patterned microchannel dip-coating method for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5174-5181	7.1	1
20	Anomalous effect of the aging degree on the ionic permeability of silica shells.. <i>RSC Advances</i> , <b>2018</b> , 8, 38499-38505	3.7	1
19	High-performance red and white organic light-emitting diodes based on a novel red thermally activated delayed fluorescence emitter in an exciplex matrix. <i>Materials Today Energy</i> , <b>2021</b> , 21, 100818	7	1
18	Wafer-Scale Growth of Aligned C60 Single Crystals via Solution-Phase Epitaxy for High-Performance Transistors. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2105459	15.6	1
17	Selectively electroless deposited Ag nanoparticles embedded in the dielectric layer to tune the rear color of bifacial solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2021</b> , 232, 111358	6.4	1
16	Controlling the conjugation extension inside acceptors for enhancing reverse intersystem crossing of red thermally activated delayed fluorescence emitters. <i>Chemical Engineering Journal</i> , <b>2022</b> , 440, 135775	14.7	1
15	Phonon resonant effect in silicon membranes with different crystallographic orientations. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 183, 122144	4.9	0

14	Novel donor-spacer-acceptor compound as the multifunctional component of exciplexes for efficient organic light-emitting diodes. <i>Science China Materials</i> , 1	7.1	o
13	Novel D-D?-A structure thermally activated delayed fluorescence emitters realizing over 20% external quantum efficiencies in both evaporation- and solution-processed organic light-emitting diodes. <i>Organic Electronics</i> , <b>2021</b> , 99, 106312	3.5	o
12	A perspective on ultralong silicon nanowires for flexible sensors. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 130504	5.4	o
11	Colorimetric Sensors: Hydrogen-Terminated Si Nanowires as Label-Free Colorimetric Sensors in the Ultrasensitive and Highly Selective Detection of Fluoride Anions in Pure Water Phase (Adv. Funct. Mater. 10/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1474-1474	15.6	
10	Exciplex Emitters: Prediction and Design of Efficient Exciplex Emitters for High-Efficiency, Thermally Activated Delayed-Fluorescence Organic Light-Emitting Diodes (Adv. Mater. 14/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 2377-2377	24	
9	Organic Light-Emitting Devices: Remanagement of Singlet and Triplet Excitons in Single-Emissive-Layer Hybrid White Organic Light-Emitting Devices Using Thermally Activated Delayed Fluorescent Blue Exciplex (Adv. Mater. 44/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 7078-7078	24	
8	Fabrication and structure characterization of te butterfly nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 11037-40	1.3	
7	Innentitelbild: Polyhedral Organic Microcrystals: From Cubes to Rhombic Dodecahedra (Angew. Chem. 48/2009). <i>Angewandte Chemie</i> , <b>2009</b> , 121, 9164-9164	3.6	
6	Photocatalysis: Iodine-Doped-Poly(3,4-Ethylenedioxythiophene)-Modified Si Nanowire 1D Core-Shell Arrays as an Efficient Photocatalyst for Solar Hydrogen Generation (Adv. Mater. 46/2012). <i>Advanced Materials</i> , <b>2012</b> , 24, 6250-6250	24	
5	AN ITERATION SCHEME FOR CALCULATING TRANSPORT PROPERTIES OF MOLECULAR SYSTEMS. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2007</b> , 06, 975-984	1.8	
4	A specific fluorescent chemosensor for copper (II) cation recognition. <i>Progress in Natural Science: Materials International</i> , <b>2003</b> , 13, 201-205	3.6	
3	Blocking Energy-Loss Pathways for Efficient All-Fluorescent Solution-processed Organic Light-emitting Diodes by Introducing Polymer Additive. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2174, 012030	0.3	
2	Layered double hydroxides-silver-chlorin e6 nanocomposite for photo-chemo combination therapy to efficiently combat both Gram-positive and Gram-negative bacteria. <i>Materials Today Communications</i> , <b>2022</b> , 30, 103101	2.5	
1	Solution-Processable Carbon and Graphene Quantum Dots Photodetectors. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2021</b> , 157-214	0.3	