

Wei Huang

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2,496
papers

114,876
citations

148
h-index

243
g-index

2,572
ext. papers

136,820
ext. citations

8.2
avg, IF

8.86
L-index

#	Paper	IF	Citations
2496	3D graphene-cobalt oxide electrode for high-performance supercapacitor and enzymeless glucose detection. <i>ACS Nano</i> , 2012 , 6, 3206-13	16.7	1371
2495	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 7067-98	58.5	1258
2494	Enhancing solar cell efficiency: the search for luminescent materials as spectral converters. <i>Chemical Society Reviews</i> , 2013 , 42, 173-201	58.5	1257
2493	Thermally activated delayed fluorescence materials towards the breakthrough of organoelectronics. <i>Advanced Materials</i> , 2014 , 26, 7931-58	24	1230
2492	Perovskite light-emitting diodes based on solution-processed self-organized multiple quantum wells. <i>Nature Photonics</i> , 2016 , 10, 699-704	33.9	1206
2491	Latest advances in supercapacitors: from new electrode materials to novel device designs. <i>Chemical Society Reviews</i> , 2017 , 46, 6816-6854	58.5	1120
2490	Perovskite light-emitting diodes based on spontaneously formed submicrometre-scale structures. <i>Nature</i> , 2018 , 562, 249-253	50.4	1116
2489	Stabilizing triplet excited states for ultralong organic phosphorescence. <i>Nature Materials</i> , 2015 , 14, 685-90	29	979
2488	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014 , 43, 3259-302	58.5	823
2487	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , 2018 , 561, 88-93	50.4	773
2486	Temporal full-colour tuning through non-steady-state upconversion. <i>Nature Nanotechnology</i> , 2015 , 10, 237-42	28.7	670
2485	Rational molecular passivation for high-performance perovskite light-emitting diodes. <i>Nature Photonics</i> , 2019 , 13, 418-424	33.9	638
2484	Smart responsive phosphorescent materials for data recording and security protection. <i>Nature Communications</i> , 2014 , 5, 3601	17.4	566
2483	Interfacial control toward efficient and low-voltage perovskite light-emitting diodes. <i>Advanced Materials</i> , 2015 , 27, 2311-6	24	559
2482	Combination of small molecule prodrug and nanodrug delivery: amphiphilic drug-drug conjugate for cancer therapy. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11748-56	16.4	535
2481	Nitrogen and sulfur codoped graphene: multifunctional electrode materials for high-performance li-ion batteries and oxygen reduction reaction. <i>Advanced Materials</i> , 2014 , 26, 6186-92	24	532
2480	Centimeter-long and large-scale micropatterns of reduced graphene oxide films: fabrication and sensing applications. <i>ACS Nano</i> , 2010 , 4, 3201-8	16.7	529

2479	High phase-purity 1T'-MoS- and 1T'-MoSe-layered crystals. <i>Nature Chemistry</i> , 2018 , 10, 638-643	17.6	510
2478	Lanthanide-Activated Phosphors Based on 4f-5d Optical Transitions: Theoretical and Experimental Aspects. <i>Chemical Reviews</i> , 2017 , 117, 4488-4527	68.1	494
2477	Black phosphorus quantum dots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3653-7	16.4	491
2476	Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage. <i>Chemical Society Reviews</i> , 2015 , 44, 5181-99	58.5	455
2475	Self-assembly of hyperbranched polymers and its biomedical applications. <i>Advanced Materials</i> , 2010 , 22, 4567-90	24	451
2474	Electrical detection of DNA hybridization with single-base specificity using transistors based on CVD-grown graphene sheets. <i>Advanced Materials</i> , 2010 , 22, 1649-53	24	450
2473	Lead-Free Organic-Inorganic Hybrid Perovskites for Photovoltaic Applications: Recent Advances and Perspectives. <i>Advanced Materials</i> , 2017 , 29, 1605005	24	437
2472	Stretchable TiCT MXene/Carbon Nanotube Composite Based Strain Sensor with Ultrahigh Sensitivity and Tunable Sensing Range. <i>ACS Nano</i> , 2018 , 12, 56-62	16.7	437
2471	Superhydrophobic and superoleophilic hybrid foam of graphene and carbon nanotube for selective removal of oils or organic solvents from the surface of water. <i>Chemical Communications</i> , 2012 , 48, 10660-2	5.8	436
2470	One-Step Electrochemical Synthesis of Graphene/Polyaniline Composite Film and Its Applications. <i>Advanced Functional Materials</i> , 2011 , 21, 2989-2996	15.6	434
2469	Long-Lived Emissive Probes for Time-Resolved Photoluminescence Bioimaging and Biosensing. <i>Chemical Reviews</i> , 2018 , 118, 1770-1839	68.1	428
2468	Excited State Modulation for Organic Afterglow: Materials and Applications. <i>Advanced Materials</i> , 2016 , 28, 9920-9940	24	428
2467	Binary metal oxide: advanced energy storage materials in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 43-59	13	397
2466	Spiro-Functionalized Polyfluorene Derivatives as Blue Light-Emitting Materials. <i>Advanced Materials</i> , 2000 , 12, 828-831	24	389
2465	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and TiCT Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2017 , 11, 5800-5807	16.7	388
2464	Enzymatic glucose biosensor based on ZnO nanorod array grown by hydrothermal decomposition. <i>Applied Physics Letters</i> , 2006 , 89, 123902	3.4	379
2463	Stability of Perovskite Solar Cells: A Prospective on the Substitution of the A Cation and X Anion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1190-1212	16.4	376
2462	Hybrid 2D Dual-Metal-Organic Frameworks for Enhanced Water Oxidation Catalysis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801554	15.6	367

2461	Polymer-based resistive memory materials and devices. <i>Advanced Materials</i> , 2014 , 26, 570-606	24	367
2460	Transcending the slow bimolecular recombination in lead-halide perovskites for electroluminescence. <i>Nature Communications</i> , 2017 , 8, 14558	17.4	356
2459	Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. <i>Advanced Materials</i> , 2019 , 31, e1808283	24	343
2458	Printable Transparent Conductive Films for Flexible Electronics. <i>Advanced Materials</i> , 2018 , 30, 1704738	24	338
2457	Preparation of MoS ₂ /polyvinylpyrrolidone nanocomposites for flexible nonvolatile rewritable memory devices with reduced graphene oxide electrodes. <i>Small</i> , 2012 , 8, 3517-22	11	337
2456	Stretchable Thin-Film Electrodes for Flexible Electronics with High Deformability and Stretchability. <i>Advanced Materials</i> , 2015 , 27, 3349-76	24	333
2455	A Mitochondria-Targeted Photosensitizer Showing Improved Photodynamic Therapy Effects Under Hypoxia. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9947-51	16.4	330
2454	Surface Modified TiC MXene Nanosheets for Tumor Targeting Photothermal/Photodynamic/Chemo Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40077-40086	9.5	329
2453	Colour-tunable ultra-long organic phosphorescence of a single-component molecular crystal. <i>Nature Photonics</i> , 2019 , 13, 406-411	33.9	324
2452	Recent progress in the ZnO nanostructure-based sensors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 1409-1421	3.1	319
2451	An Aqueous Rechargeable Zn//Co ₃ O ₄ Battery with High Energy Density and Good Cycling Behavior. <i>Advanced Materials</i> , 2016 , 28, 4904-11	24	305
2450	Amphiphilic graphene composites. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9426-9	16.4	301
2449	A flexible Eu(III)-based metal-organic framework: turn-off luminescent sensor for the detection of Fe(III) and picric acid. <i>Dalton Transactions</i> , 2013 , 42, 12403-9	4.3	291
2448	Highly conductive three-dimensional MnO ₂ -carbon nanotube-graphene-Ni hybrid foam as a binder-free supercapacitor electrode. <i>Nanoscale</i> , 2014 , 6, 1079-85	7.7	290
2447	Lanthanide-doped Na(x)ScF(3+x) nanocrystals: crystal structure evolution and multicolor tuning. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8340-3	16.4	286
2446	Stretchable, Transparent, and Self-Patterned Hydrogel-Based Pressure Sensor for Human Motions Detection. <i>Advanced Functional Materials</i> , 2018 , 28, 1802576	15.6	282
2445	Diketopyrrolopyrrole-Triphenylamine Organic Nanoparticles as Multifunctional Reagents for Photoacoustic Imaging-Guided Photodynamic/Photothermal Synergistic Tumor Therapy. <i>ACS Nano</i> , 2017 , 11, 1054-1063	16.7	280
2444	Transferring biomarker into molecular probe: melanin nanoparticle as a naturally active platform for multimodality imaging. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15185-94	16.4	272

2443	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2015 , 44, 2615-28	58.5	269
2442	3D graphene foam as a monolithic and macroporous carbon electrode for electrochemical sensing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3129-33	9.5	264
2441	Recent Progress on Circularly Polarized Luminescent Materials for Organic Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2018 , 6, 1800538	8.1	263
2440	General synthesis of noble metal (Au, Ag, Pd, Pt) nanocrystal modified MoS ₂ nanosheets and the enhanced catalytic activity of Pd-MoS ₂ for methanol oxidation. <i>Nanoscale</i> , 2014 , 6, 5762-9	7.7	263
2439	One-pot synthesis of heterogeneous Co ₃ O ₄ -nanocube/Co(OH) ₂ -nanosheet hybrids for high-performance flexible asymmetric all-solid-state supercapacitors. <i>Nano Energy</i> , 2017 , 35, 138-145	17.1	262
2438	Simultaneously Enhancing Efficiency and Lifetime of Ultralong Organic Phosphorescence Materials by Molecular Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10734-10739	16.4	261
2437	Conjugated-polyelectrolyte-functionalized reduced graphene oxide with excellent solubility and stability in polar solvents. <i>Small</i> , 2010 , 6, 663-9	11	260
2436	Ultralong Phosphorescence of Water-Soluble Organic Nanoparticles for In Vivo Afterglow Imaging. <i>Advanced Materials</i> , 2017 , 29, 1606665	24	259
2435	Blue-Light-Emitting Fluorene-Based Polymers with Tunable Electronic Properties. <i>Chemistry of Materials</i> , 2001 , 13, 1984-1991	9.6	254
2434	Spectral and Thermal Spectral Stability Study for Fluorene-Based Conjugated Polymers. <i>Macromolecules</i> , 2002 , 35, 6907-6914	5.5	254
2433	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <i>RSC Advances</i> , 2012 , 2, 4364	3.7	253
2432	Tunable Synthesis of Bismuth Ferrites with Various Morphologies. <i>Advanced Materials</i> , 2006 , 18, 2145-2148	14	253
2431	Efficient and stable Ruddlesden-Popper perovskite solar cell with tailored interlayer molecular interaction. <i>Nature Photonics</i> , 2020 , 14, 154-163	33.9	251
2430	Recent developments in top-emitting organic light-emitting diodes. <i>Advanced Materials</i> , 2010 , 22, 5227-32	32	250
2429	Additive engineering for highly efficient organic-inorganic halide perovskite solar cells: recent advances and perspectives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12602-12652	13	249
2428	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1855-1858	16.4	248
2427	Minimising efficiency roll-off in high-brightness perovskite light-emitting diodes. <i>Nature Communications</i> , 2018 , 9, 608	17.4	248
2426	Visible-Light-Excited Ultralong Organic Phosphorescence by Manipulating Intermolecular Interactions. <i>Advanced Materials</i> , 2017 , 29, 1701244	24	248

2425	Strain-induced direct/indirect bandgap transition and phonon modulation in monolayer WS ₂ . <i>Nano Research</i> , 2015 , 8, 2562-2572	10	245
2424	Polyfluorene-based semiconductors combined with various periodic table elements for organic electronics. <i>Progress in Polymer Science</i> , 2012 , 37, 1192-1264	29.6	244
2423	Microwave Synthesis of Water-Dispersed CdTe/CdS/ZnS Core-Shell-Shell Quantum Dots with Excellent Photostability and Biocompatibility. <i>Advanced Materials</i> , 2008 , 20, 3416-3421	24	239
2422	Muscle-Inspired Self-Healing Hydrogels for Strain and Temperature Sensor. <i>ACS Nano</i> , 2020 , 14, 218-228	16.7	237
2421	Synthesis and Luminescence Properties of Novel Eu-Containing Copolymers Consisting of Eu(III) Acrylate-Diketonate Complex Monomers and Methyl Methacrylate. <i>Chemistry of Materials</i> , 2000 , 12, 2212-2218	9.6	233
2420	Efficient and Long-Lived Room-Temperature Organic Phosphorescence: Theoretical Descriptors for Molecular Designs. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1010-1015	16.4	228
2419	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. <i>Nature Nanotechnology</i> , 2016 , 11, 851-856	28.7	227
2418	Encapsulation of sulfur with thin-layered nickel-based hydroxides for long-cyclic lithium-sulfur cells. <i>Nature Communications</i> , 2015 , 6, 8622	17.4	225
2417	Recent developments in lanthanide-based luminescent probes. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 201-212	23.2	224
2416	Controllable Design of MoS Nanosheets Anchored on Nitrogen-Doped Graphene: Toward Fast Sodium Storage by Tunable Pseudocapacitance. <i>Advanced Materials</i> , 2018 , 30, e1800658	24	224
2415	Printed supercapacitors: materials, printing and applications. <i>Chemical Society Reviews</i> , 2019 , 48, 3229-3384	33.4	222
2414	Hybrid NiCo ₂ S ₄ @MnO ₂ heterostructures for high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1258-1264	13	222
2413	Enhanced valley splitting in monolayer WSe due to magnetic exchange field. <i>Nature Nanotechnology</i> , 2017 , 12, 757-762	28.7	220
2412	Porous hollow Co ₃ O ₄ with rhombic dodecahedral structures for high-performance supercapacitors. <i>Nanoscale</i> , 2014 , 6, 14354-9	7.7	215
2411	Self-Assembly of Reduced Graphene Oxide into Three-Dimensional Architecture by Divalent Ion Linkage. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22462-22465	3.8	206
2410	A microporous luminescent europium metal-organic framework for nitro explosive sensing. <i>Dalton Transactions</i> , 2013 , 42, 5718-23	4.3	204
2409	Stabilizing black-phase formamidinium perovskite formation at room temperature and high humidity. <i>Science</i> , 2021 , 371, 1359-1364	33.3	202
2408	Shape-controlled synthesis of NiCo ₂ S ₄ and their charge storage characteristics in supercapacitors. <i>Nanoscale</i> , 2014 , 6, 9824-30	7.7	201

2407	Recent Advances in Polymer-Based Metal-Free Room-Temperature Phosphorescent Materials. <i>Advanced Functional Materials</i> , 2018 , 28, 1802657	15.6	199
2406	Perylene-diimide-based nanoparticles as highly efficient photoacoustic agents for deep brain tumor imaging in living mice. <i>Advanced Materials</i> , 2015 , 27, 843-7	24	197
2405	An effective Friedel-Crafts postfunctionalization of poly(N-vinylcarbazole) to tune carrier transportation of supramolecular organic semiconductors based on pi-stacked polymers for nonvolatile flash memory cell. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2120-1	16.4	197
2404	Bulk heterojunction polymer memory devices with reduced graphene oxide as electrodes. <i>ACS Nano</i> , 2010 , 4, 3987-92	16.7	195
2403	Oriented Quasi-2D Perovskites for High Performance Optoelectronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1804771	24	195
2402	Molecular imaging of biological systems with a clickable dye in the broad 800- to 1,700-nm near-infrared window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 962-967	11.5	192
2401	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation. <i>Advanced Materials</i> , 2016 , 28, 5242-8	24	190
2400	Stable field emission from hydrothermally grown ZnO nanotubes. <i>Applied Physics Letters</i> , 2006 , 88, 2131-3	10	188
2399	Fabrication of flexible, all-reduced graphene oxide non-volatile memory devices. <i>Advanced Materials</i> , 2013 , 25, 233-8	24	186
2398	All-carbon electronic devices fabricated by directly grown single-walled carbon nanotubes on reduced graphene oxide electrodes. <i>Advanced Materials</i> , 2010 , 22, 3058-61	24	186
2397	Facile Synthesis of Highly Efficient Lepidine-Based Phosphorescent Iridium(III) Complexes for Yellow and White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016 , 26, 881-894	15.6	186
2396	Metal-organic framework derived CoSe ₂ nanoparticles anchored on carbon fibers as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Research</i> , 2016 , 9, 2234-2243	10	185
2395	Mesoporous metal-organic frameworks with size-, shape-, and space-distribution-controlled pore structure. <i>Advanced Materials</i> , 2015 , 27, 2923-9	24	184
2394	All-in-One Phototheranostics: Single Laser Triggers NIR-II Fluorescence/Photoacoustic Imaging Guided Photothermal/Photodynamic/Chemo Combination Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1901480	15.6	183
2393	Synthesis of graphene-carbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17044		181
2392	A Family of Electroluminescent Silyl-Substituted Poly(p-phenylenevinylene)s: Synthesis, Characterization, and Structure-Property Relationships. <i>Macromolecules</i> , 2000 , 33, 9015-9025	5.5	181
2391	Fluorescent/phosphorescent dual-emissive conjugated polymer dots for hypoxia bioimaging. <i>Chemical Science</i> , 2015 , 6, 1825-1831	9.4	180
2390	Enhancing Ultralong Organic Phosphorescence by Effective π -Type Halogen Bonding. <i>Advanced Functional Materials</i> , 2018 , 28, 1705045	15.6	180

2389	A Significantly Twisted Spirocyclic Phosphine Oxide as a Universal Host for High-Efficiency Full-Color Thermally Activated Delayed Fluorescence Diodes. <i>Advanced Materials</i> , 2016 , 28, 3122-30	24	178
2388	Peripheral Amplification of Multi-Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11316-11320	16.4	178
2387	Probing charged impurities in suspended graphene using Raman spectroscopy. <i>ACS Nano</i> , 2009 , 3, 569-746.7	46.7	177
2386	Long Electron-Hole Diffusion Length in High-Quality Lead-Free Double Perovskite Films. <i>Advanced Materials</i> , 2018 , 30, e1706246	24	175
2385	Microwave-Assisted Synthesis of Water-Dispersed CdTe Nanocrystals with High Luminescent Efficiency and Narrow Size Distribution. <i>Chemistry of Materials</i> , 2007 , 19, 359-365	9.6	173
2384	Design and Synthesis of Bipyridyl-Containing Conjugated Polymers: Effects of Polymer Rigidity on Metal Ion Sensing. <i>Macromolecules</i> , 2001 , 34, 7932-7940	5.5	173
2383	Microwave-Assisted Preparation of White Fluorescent Graphene Quantum Dots as a Novel Phosphor for Enhanced White-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016 , 26, 2739-2744	15.6	172
2382	Ultrasmall Phosphorescent Polymer Dots for Ratiometric Oxygen Sensing and Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 4823-4830	15.6	171
2381	Synthesis, Characterization, and Structure-Property Relationship of Novel Fluorene- π -thiophene-Based Conjugated Copolymers. <i>Macromolecules</i> , 2000 , 33, 8945-8952	5.5	171
2380	A flexible pressure sensor based on rGO/polyaniline wrapped sponge with tunable sensitivity for human motion detection. <i>Nanoscale</i> , 2018 , 10, 10033-10040	7.7	170
2379	Variable photophysical properties of phosphorescent iridium(III) complexes triggered by closo- and nido-carborane substitution. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13434-8	16.4	170
2378	Microwave-assisted growth and characterization of water-dispersed CdTe/CdS core-shell nanocrystals with high photoluminescence. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13370-4	3.4	170
2377	Degradable Semiconducting Oligomer Amphiphile for Ratiometric Photoacoustic Imaging of Hypochlorite. <i>ACS Nano</i> , 2017 , 11, 4174-4182	16.7	168
2376	Growth mechanism of tubular ZnO formed in aqueous solution. <i>Nanotechnology</i> , 2006 , 17, 1740-4	3.4	166
2375	Design of Amorphous Manganese Oxide@Multiwalled Carbon Nanotube Fiber for Robust Solid-State Supercapacitor. <i>ACS Nano</i> , 2017 , 11, 444-452	16.7	163
2374	Enhanced thermopower of graphene films with oxygen plasma treatment. <i>ACS Nano</i> , 2011 , 5, 2749-55	16.7	162
2373	One-step growth of graphene-carbon nanotube hybrid materials by chemical vapor deposition. <i>Carbon</i> , 2011 , 49, 2944-2949	10.4	162
2372	Single polymer-based ternary electronic memory material and device. <i>Advanced Materials</i> , 2012 , 24, 2901-5	17.5	161

2371	Kinked Star-Shaped Fluorene/ Triazatruxene Co-oligomer Hybrids with Enhanced Functional Properties for High-Performance, Solution-Processed, Blue Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008 , 18, 265-276	15.6	161
2370	A Novel Series of Efficient Thiophene-Based Light-Emitting Conjugated Polymers and Application in Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2000 , 33, 2462-2471	5.5	161
2369	Room-Temperature Molten Salt for Facile Fabrication of Efficient and Stable Perovskite Solar Cells in Ambient Air. <i>CheM</i> , 2019 , 5, 995-1006	16.2	160
2368	Organic Dye Based Nanoparticles for Cancer Phototheranostics. <i>Small</i> , 2018 , 14, e1704247	11	160
2367	Three-Dimensional Nitrogen-Doped Carbon Nanotubes/Graphene Structure Used as a Metal-Free Electrocatalyst for the Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24592-24597	2.8	160
2366	Cationic Polyfluorenes with Phosphorescent Iridium(III) Complexes for Time-Resolved Luminescent Biosensing and Fluorescence Lifetime Imaging. <i>Advanced Functional Materials</i> , 2013 , 23, 3268-3276	15.6	159
2365	High-performance free-standing PEDOT:PSS electrodes for flexible and transparent all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10493-10499	13	158
2364	Dynamic Ultralong Organic Phosphorescence by Photoactivation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8425-8431	16.4	158
2363	A facile and universal top-down method for preparation of monodisperse transition-metal dichalcogenide nanodots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5425-8	16.4	156
2362	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8483-8488	13	155
2361	A Quasi-Solid-State Sodium-Ion Capacitor with High Energy Density. <i>Advanced Materials</i> , 2015 , 27, 6962-84	8.4	155
2360	Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2164-9	3.6	155
2359	Two-dimensional Ruddlesden-Popper layered perovskite solar cells based on phase-pure thin films. <i>Nature Energy</i> , 2021 , 6, 38-45	62.3	155
2358	Photoluminescent Poly(p-phenylenevinylene)s with an Aromatic Oxadiazole Moiety as the Side Chain: Synthesis, Electrochemistry, and Spectroscopy Study. <i>Macromolecules</i> , 1999 , 32, 4351-4358	5.5	154
2357	Lamellar K ₂ Co ₃ (P ₂ O ₇) ₂ ·2H ₂ O nanocrystal whiskers: High-performance flexible all-solid-state asymmetric micro-supercapacitors via inkjet printing. <i>Nano Energy</i> , 2015 , 15, 303-312	17.1	153
2356	Black Phosphorus Nanosheets Immobilizing Ce6 for Imaging-Guided Photothermal/Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12431-12440	9.5	153
2355	Mo C-Derived Polyoxometalate for NIR-II Photoacoustic Imaging-Guided Chemodynamic/Photothermal Synergistic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18641-18646	16.4	153
2354	Tricyanometalate molecular chemistry: A type of versatile building blocks for the construction of cyano-bridged molecular architectures. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 1713-1732	23.2	153

2353	Palladium Nanoparticles Supported on Nitrogen and Sulfur Dual-Doped Graphene as Highly Active Electrocatalysts for Formic Acid and Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10858-65	9.5	153
2352	Achieving efficient photodynamic therapy under both normoxia and hypoxia using cyclometalated Ru(II) photosensitizer through type I photochemical process. <i>Chemical Science</i> , 2018 , 9, 502-512	9.4	152
2351	Free-standing electrochemical electrode based on Ni(OH) ₂ /3D graphene foam for nonenzymatic glucose detection. <i>Nanoscale</i> , 2014 , 6, 7424-9	7.7	152
2350	Selective synthesis of hierarchical mesoporous spinel NiCo ₂ O ₄ for high-performance supercapacitors. <i>Nanoscale</i> , 2014 , 6, 4303-8	7.7	152
2349	Recent progress on organic donor-acceptor complexes as active elements in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3485-3498	7.1	150
2348	Extraordinarily Stretchable All-Carbon Collaborative Nanoarchitectures for Epidermal Sensors. <i>Advanced Materials</i> , 2017 , 29, 1606411	24	148
2347	Monodisperse Six-Armed Triazatruxenes: Microwave-Enhanced Synthesis and Highly Efficient Pure-Deep-Blue Electroluminescence. <i>Macromolecules</i> , 2006 , 39, 3707-3709	5.5	148
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2187	High-Efficiency Flexible Solar Cells Based on Organometal Halide Perovskites. <i>Advanced Materials</i> , 2016 , 28, 4532-40	24	86
2186	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. <i>Crystal Growth and Design</i> , 2016 , 16, 808-813	3.5	86
2185	Dynamic metal-ligand coordination for multicolour and water-jet rewritable paper. <i>Nature Communications</i> , 2018 , 9, 3	17.4	85
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2183	Bismuth-based photocatalysts for solar energy conversion. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24307-24352	13	85
2182	Mixed-cation perovskite solar cells in space. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	85
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2179	Circularly Polarized Phosphorescent Electroluminescence from Chiral Cationic Iridium(III) Isocyanide Complexes. <i>Advanced Optical Materials</i> , 2017 , 5, 1700359	8.1	84
2178	3D NiO hollow sphere/reduced graphene oxide composite for high-performance glucose biosensor. <i>Scientific Reports</i> , 2017 , 7, 5220	4.9	84
2177	Utilization of Electrochromically Luminescent Transition-Metal Complexes for Erasable Information Recording and Temperature-Related Information Protection. <i>Advanced Materials</i> , 2016 , 28, 7137-42	24	84
2176	Penetration depth tunable BODIPY derivatives for pH triggered enhanced photothermal/photodynamic synergistic therapy. <i>Chemical Science</i> , 2019 , 10, 268-276	9.4	83
2175	Semiconducting polymer nanotheranostics for NIR-II/Photoacoustic imaging-guided photothermal initiated nitric oxide/photothermal therapy. <i>Biomaterials</i> , 2019 , 217, 119304	15.6	83
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2163	Metal halide perovskites: stability and sensing-ability. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10121-10137	13.7	82
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2158	Heterogeneous catalysts based on mesoporous metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2018 , 373, 199-232	23.2	80
2157	Rational Design of Nanocarriers for Intracellular Protein Delivery. <i>Advanced Materials</i> , 2019 , 31, e1902794	24	80
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2051	Self-Assembly of Semiconducting-Plasmonic Gold Nanoparticles with Enhanced Optical Property for Photoacoustic Imaging and Photothermal Therapy. <i>Theranostics</i> , 2017 , 7, 2177-2185	12.1	65
2050	Emerging New-Generation Photodetectors Based on Low-Dimensional Halide Perovskites. <i>ACS Photonics</i> , 2020 , 7, 10-28	6.3	65
2049	Upconversion Modulation through Pulsed Laser Excitation for Anti-counterfeiting. <i>Scientific Reports</i> , 2017 , 7, 1320	4.9	64
2048	Light programmable/erasable organic field-effect transistor ambipolar memory devices based on the pentacene/PVK active layer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5220-5225	7.1	64

2047	Multicolor Ultralong Organic Phosphorescence through Alkyl Engineering for 4D Coding Applications. <i>Chemistry of Materials</i> , 2019 , 31, 5584-5591	9.6	64
2046	Design and applications of gold nanoparticle conjugates by exploiting biomolecule-gold nanoparticle interactions. <i>Nanoscale</i> , 2013 , 5, 2589-99	7.7	64
2045	Preparation of weavable, all-carbon fibers for non-volatile memory devices. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13351-5	16.4	64
2044	Dumbbell-Shaped Spirocyclic Aromatic Hydrocarbon to Control Intermolecular π -Stacking Interaction for High-Performance Nondoped Deep-Blue Organic Light-Emitting Devices. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2849-2853	6.4	64
2043	Synthesis and Nearly Monochromatic Photoluminescence Properties of Conjugated Copolymers Containing Fluorene and Rare Earth Complexes. <i>Macromolecules</i> , 2003 , 36, 6995-7003	5.5	64
2042	Modification of gold surface by grafting of poly(ethylene glycol) for reduction in protein adsorption and platelet adhesion. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 515-31	3.5	64
2041	Stability studies of poly(2-methoxy-5-(2'-ethyl hexyloxy)-p- (phenylene vinylene) [MEH-PPV]. <i>Polymer Degradation and Stability</i> , 1999 , 65, 287-296	4.7	64
2040	Highly Sensitive, Fast Response Perovskite Photodetectors Demonstrated in Weak Light Detection Circuit and Visible Light Communication System. <i>Small</i> , 2019 , 15, e1903599	11	63
2039	A Single Composition Architecture-Based Nanoprobe for Ratiometric Photoacoustic Imaging of Glutathione (GSH) in Living Mice. <i>Small</i> , 2018 , 14, e1703400	11	63
2038	All-Graphene-Based Highly Flexible Noncontact Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44593-44601	9.5	63
2037	An Electrochromic Phosphorescent Iridium(III) Complex for Information Recording, Encryption, and Decryption. <i>Advanced Optical Materials</i> , 2015 , 3, 368-375	8.1	63
2036	Enhancement of electron injection in organic light-emitting devices using an Ag/LiF cathode. <i>Journal of Applied Physics</i> , 2004 , 95, 3828-3830	2.5	63
2035	Monochromatic light-emitting copolymers of N-vinylcarbazole and Eu-complexed 4-vinylbenzoate and their single layer high luminance PLEDs. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2741		63
2034	A novel triarylamine-based conjugated polymer and its unusual light-emitting properties. <i>Chemical Communications</i> , 2000 , 681-682	5.8	63
2033	3D Printed Flexible Strain Sensors: From Printing to Devices and Signals. <i>Advanced Materials</i> , 2021 , 33, e2004782	24	63
2032	Emerging photothermal-derived multimodal synergistic therapy in combating bacterial infections. <i>Chemical Society Reviews</i> , 2021 , 50, 8762-8789	58.5	63
2031	DNA origami-based shape IDs for single-molecule nanomechanical genotyping. <i>Nature Communications</i> , 2017 , 8, 14738	17.4	62
2030	Twisted Molecular Structure on Tuning Ultralong Organic Phosphorescence. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 335-339	6.4	62

2029	Recent Advances on Activatable NIR-II Fluorescence Probes for Biomedical Imaging. <i>Advanced Optical Materials</i> , 2019 , 7, 1900917	8.1	62
2028	One-step electrochemical synthesis of a graphene/ZnO hybrid for improved photocatalytic activity. <i>Materials Research Bulletin</i> , 2013 , 48, 2855-2860	5.1	62
2027	A β -conjugated polymer gelator from polyfluorene-based poly(tertiary alcohol) via the hydrogen-bonded supramolecular functionalization. <i>Polymer Chemistry</i> , 2013 , 4, 477-483	4.9	62
2026	Polyfluorene-Based Blue-Emitting Materials. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1580-1590	6.6	62
2025	Amphiphilic Semiconducting Oligomer for Near-Infrared Photoacoustic and Fluorescence Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12332-12339	9.5	61
2024	Inkjet-Printed Small-Molecule Organic Light-Emitting Diodes: Halogen-Free Inks, Printing Optimization, and Large-Area Patterning. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40533-40540	9.5	61
2023	Oriented and Uniform Distribution of Dion-Jacobson Phase Perovskites Controlled by Quantum Well Barrier Thickness. <i>Solar Rrl</i> , 2019 , 3, 1900090	7.1	61
2022	Multifunctional supramolecular vesicles for combined photothermal/photodynamic/hypoxia-activated chemotherapy. <i>Chemical Communications</i> , 2018 , 54, 10328-10331	5.8	61
2021	Dual role of LiF as a hole-injection buffer in organic light-emitting diodes. <i>Applied Physics Letters</i> , 2004 , 84, 2913-2915	3.4	61
2020	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016 , 12, 5920-5926	11	61
2019	Solution-Processed Wide-Bandgap Organic Semiconductor Nanostructures Arrays for Nonvolatile Organic Field-Effect Transistor Memory. <i>Small</i> , 2018 , 14, 1701437	11	61
2018	Gadolinium-Chelated Conjugated Polymer-Based Nanotheranostics for Photoacoustic/Magnetic Resonance/NIR-II Fluorescence Imaging-Guided Cancer Photothermal Therapy. <i>Theranostics</i> , 2019 , 9, 4168-4181	12.1	60
2017	Rational Design of a Flexible CNTs@PDMS Film Patterned by Bio-Inspired Templates as a Strain Sensor and Supercapacitor. <i>Small</i> , 2019 , 15, e1805493	11	60
2016	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. <i>Biomaterials</i> , 2015 , 54, 34-43	15.6	60
2015	3D assembly of TiC-MXene directed by water/oil interfaces. <i>Nanoscale</i> , 2018 , 10, 3621-3625	7.7	60
2014	Novel aza-BODIPY based small molecular NIR-II fluorophores for in vivo imaging. <i>Chemical Communications</i> , 2019 , 55, 10920-10923	5.8	60
2013	A class of wavelength-tunable near-infrared aza-BODIPY dyes and their application for sensing mercury ion. <i>Dyes and Pigments</i> , 2014 , 103, 145-153	4.6	60
2012	Hyperbranched Phosphorescent Conjugated Polymer Dots with Iridium(III) Complex as the Core for Hypoxia Imaging and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28319-28330	9.5	60

2011	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8036-40	16.4	60
2010	Recent Progress in Metal Halide Perovskite Micro- and Nanolasers. <i>Advanced Optical Materials</i> , 2019 , 7, 1900080	8.1	59
2009	Dramatic Enhancement of Power Conversion Efficiency in Polymer Solar Cells by Conjugating Very Low Ratio of Triplet Iridium Complexes to PTB7. <i>Advanced Materials</i> , 2015 , 27, 3546-52	24	59
2008	Ferrocene-containing poly(fluorenylethynylene)s for nonvolatile resistive memory devices. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 921-928	7.1	59
2007	Enhancing Efficiency and Stability of Perovskite Solar Cells via a Self-Assembled Dopamine Interfacial Layer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30607-30613	9.5	59
2006	Size-dependent programming of the dynamic range of graphene oxide-DNA interaction-based ion sensors. <i>Analytical Chemistry</i> , 2014 , 86, 4047-51	7.8	59
2005	A water-soluble phosphorescent polymer for time-resolved assay and bioimaging of cysteine/homocysteine. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 319-329	7.3	59
2004	Epitaxial Bi ₂ FeCrO ₆ Multiferroic Thin Film as a New Visible Light Absorbing Photocathode Material. <i>Small</i> , 2015 , 11, 4018-26	11	59
2003	Nd ₂ O ₃ Nanoparticles Modified with a Silane-Coupling Agent as a Liquid Laser Medium. <i>Advanced Materials</i> , 2007 , 19, 838-842	24	59
2002	A Highly Crystalline and Wide-Bandgap Polydiarylfuorene with β -Phase Conformation toward Stable Electroluminescence and Dual Amplified Spontaneous Emission. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21648-55	9.5	59
2001	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15507-15515	16.4	59
2000	V ₂ O ₅ embedded in vertically aligned carbon nanotube arrays as free-standing electrodes for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23727-23736	13	58
1999	Dynamic Luminescence Manipulation for Rewritable and Multi-level Security Printing. <i>Matter</i> , 2019 , 1, 1644-1655	12.7	58
1998	Centimeter-Sized Single Crystal of Two-Dimensional Halide Perovskites Incorporating Straight-Chain Symmetric Diammonium Ion for X-Ray Detection. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14896-14902	16.4	58
1997	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2020 , 14, 1185-1195	16.7	58
1996	PL-WO-TPZ Nanoparticles for Simultaneous Hypoxia-Activated Chemotherapy and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3405-3413	9.5	58
1995	Sensitive fiber microelectrode made of nickel hydroxide nanosheets embedded in highly-aligned carbon nanotube scaffold for nonenzymatic glucose determination. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 23-28	8.5	58
1994	Development of upconversion luminescent probe for ratiometric sensing and bioimaging of hydrogen sulfide. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11013-7	9.5	58

1993	Microwave-enhanced multiple Suzuki couplings toward highly luminescent starburst monodisperse macromolecules. <i>Chemical Communications</i> , 2006 , 1959-61	5.8	58
1992	Hole-injection enhancement by copper phthalocyanine (CuPc) in blue polymer light-emitting diodes. <i>Journal of Applied Physics</i> , 2001 , 89, 2343-2350	2.5	58
1991	Design of highly efficient deep-blue organic afterglow through guest sensitization and matrices rigidification. <i>Nature Communications</i> , 2020 , 11, 4802	17.4	58
1990	Room-temperature electroluminescence from two-dimensional lead halide perovskites. <i>Applied Physics Letters</i> , 2016 , 109, 151101	3.4	58
1989	Using highly emissive and environmentally sensitive -carborane-functionalized metallophosphors to monitor mitochondrial polarity. <i>Chemical Science</i> , 2017 , 8, 5930-5940	9.4	57
1988	Facile one-pot synthesis of NiCo ₂ O ₄ hollow spheres with controllable number of shells for high-performance supercapacitors. <i>Nano Research</i> , 2017 , 10, 405-414	10	57
1987	Interfacial engineering by using self-assembled monolayer in mesoporous perovskite solar cell. <i>RSC Advances</i> , 2015 , 5, 94290-94295	3.7	57
1986	Enhanced oxidation-resistant Cu-Ni core-shell nanowires: controllable one-pot synthesis and solution processing to transparent flexible heaters. <i>Nanoscale</i> , 2015 , 7, 16874-9	7.7	57
1985	Organic Room Temperature Phosphorescence Materials for Biomedical Applications. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 947-957	4.5	57
1984	Intracellular Delivery of Native Proteins Facilitated by Cell-Penetrating Poly(disulfide)s. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1532-1536	16.4	57
1983	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene π -Conformation Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 364-372	6.4	57
1982	Simultaneous enhancement of magnetic and ferroelectric properties in Dy and Cr co-doped BiFeO ₃ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6399-405	3.6	57
1981	Manipulating the Stacking of Triplet Chromophores in the Crystal Form for Ultralong Organic Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14140-14145	16.4	57
1980	Cation-Modulated HER and OER Activities of Hierarchical VOOH Hollow Architectures for High-Efficiency and Stable Overall Water Splitting. <i>Small</i> , 2019 , 15, e1904688	11	57
1979	Carborane enhanced two-photon absorption of tribranched fluorophores for fluorescence microscopy imaging. <i>Chemical Communications</i> , 2013 , 49, 10638-40	5.8	57
1978	Rare Earth Ion-Doped Upconversion Nanocrystals: Synthesis and Surface Modification. <i>Nanomaterials</i> , 2014 , 5, 1-25	5.4	57
1977	Efficient and stable deep blue polymer light-emitting devices based on π -phase poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , 2013 , 103, 153301	3.4	57
1976	Fluorene and silafluorene conjugated copolymer: A new blue light-emitting polymer. <i>Synthetic Metals</i> , 2006 , 156, 1161-1167	3.6	57

1975	Domino-like multi-emissions across red and near infrared from solid-state 2-/2,6-aryl substituted BODIPY dyes. <i>Nature Communications</i> , 2018 , 9, 2688	17.4	57
1974	Solvent Engineering of the Precursor Solution toward Large-Area Production of Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2005410	24	57
1973	Bromo-Substituted Diketopyrrolopyrrole Derivative with Specific Targeting and High Efficiency for Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10737-42	9.5	57
1972	A Centimeter-Scale Inorganic Nanoparticle Superlattice Monolayer with Non-Close-Packing and its High Performance in Memory Devices. <i>Advanced Materials</i> , 2018 , 30, e1800595	24	57
1971	Unveiling the additive-assisted oriented growth of perovskite crystallite for high performance light-emitting diodes. <i>Nature Communications</i> , 2021 , 12, 5081	17.4	57
1970	Facile synthesis of gold nanomaterials with unusual crystal structures. <i>Nature Protocols</i> , 2017 , 12, 2367-2378	23.7	56
1969	Bidirectional optical signal transmission between two identical devices using perovskite diodes. <i>Nature Electronics</i> , 2020 , 3, 156-164	28.4	56
1968	Enhanced power conversion efficiency in iridium complex-based terpolymers for polymer solar cells. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	56
1967	Tuning hexagonal NaYbF nanocrystals down to sub-10 nm for enhanced photon upconversion. <i>Nanoscale</i> , 2017 , 9, 13739-13746	7.7	56
1966	Highly efficient blue phosphorescent iridium(III) complexes with various ancillary ligands for partially solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9306-9314	7.1	56
1965	More than Restriction of Twisted Intramolecular Charge Transfer: Three-Dimensional Expanded #-Shaped Cross-Molecular Packing for Emission Enhancement in Aggregates. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12187-12195	3.8	56
1964	Exceptional blueshifted and enhanced aggregation-induced emission of conjugated asymmetric triazines and their applications in superamplified detection of explosives. <i>Chemistry - A European Journal</i> , 2012 , 18, 15655-61	4.8	56
1963	Synthesis of Conjugated Acidic Block Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2002 , 35, 9875-9881	5.5	56
1962	New Series of Blue-Light-Emitting Polymers Constituted of 3-Alkylthiophenes and 1,4-Di(1,3,4-oxadiazolyl)phenylene. <i>Chemistry of Materials</i> , 1998 , 10, 3340-3345	9.6	56
1961	Large Planar π -Conjugated Porphyrin for Interfacial Engineering in p-i-n Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27438-27443	9.5	56
1960	Carbon Necklace Incorporated Electroactive Reservoir Constructing Flexible Papers for Advanced Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, 1702770	11	56
1959	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , 2017 , 27, 1700493	15.6	55
1958	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5055-5060	16.4	55

1957	Simultaneous Detection of Dihydroxybenzene Isomers with ZnO Nanorod/Carbon Cloth Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12453-12460	9.5	55
1956	Graphene oxide encapsulated gold nanoparticle based stable fibre optic sucrose sensor. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 835-841	8.5	55
1955	A Solution-Processed Resonance Host for Highly Efficient Electrophosphorescent Devices with Extremely Low Efficiency Roll-off. <i>Advanced Materials</i> , 2015 , 27, 6939-44	24	55
1954	Aza-BODIPY-Based Nanomedicines in Cancer Phototheranostics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26914-26925	9.5	55
1953	Air-Stable Organic Radicals: New-Generation Materials for Flexible Electronics?. <i>Advanced Materials</i> , 2020 , 32, e1908015	24	55
1952	Anchoring Mn ₃ O ₄ Nanoparticles on Oxygen Functionalized Carbon Nanotubes as Bifunctional Catalyst for Rechargeable Zinc-Air Battery. <i>ACS Applied Energy Materials</i> , 2018 , 1, 963-969	6.1	55
1951	A highly water-soluble triblock conjugated polymer for in vivo NIR-II imaging and photothermal therapy of cancer. <i>Polymer Chemistry</i> , 2018 , 9, 3118-3126	4.9	55
1950	Selective synthesis of TbMn(2)O(5) nanorods and TbMnO(3) micron crystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14454-5	16.4	55
1949	Morphology control of perovskite light-emitting diodes by using amino acid self-assembled monolayers. <i>Applied Physics Letters</i> , 2016 , 108, 141102	3.4	55
1948	Flexible wire-shaped lithium-sulfur batteries with fibrous cathodes assembled via capillary action. <i>Nano Energy</i> , 2017 , 33, 325-333	17.1	54
1947	Utilizing Intramolecular Photoinduced Electron Transfer to Enhance Photothermal Tumor Treatment of Aza-BODIPY-Based Near-Infrared Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16299-16307	9.5	54
1946	Hydrogen-Bonded Organic Aromatic Frameworks for Ultralong Phosphorescence by Intralayer π Interactions. <i>Angewandte Chemie</i> , 2018 , 130, 4069-4073	3.6	54
1945	Inkjet-Printed High-Performance Flexible Micro-Supercapacitors with Porous Nanofiber-Like Electrode Structures. <i>Small</i> , 2019 , 15, e1901830	11	54
1944	Rational design of phosphorescent chemodosimeter for reaction-based one- and two-photon and time-resolved luminescent imaging of biothiols in living cells. <i>Advanced Healthcare Materials</i> , 2014 , 3, 658-69	10.1	54
1943	Fabrication of ultralong hybrid microfibers from nanosheets of reduced graphene oxide and transition-metal dichalcogenides and their application as supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12576-80	16.4	54
1942	Fabrication of Ultralong Hybrid Microfibers from Nanosheets of Reduced Graphene Oxide and Transition-Metal Dichalcogenides and their Application as Supercapacitors. <i>Angewandte Chemie</i> , 2014 , 126, 12784-12788	3.6	54
1941	Photocontrolled molecular structural transition and doping in graphene. <i>ACS Nano</i> , 2012 , 6, 8878-86	16.7	54
1940	Variable Photophysical Properties of Phosphorescent Iridium(III) Complexes Triggered by closo- and nido-Carborane Substitution. <i>Angewandte Chemie</i> , 2013 , 125, 13676-13680	3.6	54

1939	Topological Arrangement of Fluorenyl-Substituted Carbazole Triads and Starbursts: Synthesis and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6961-6967	3.8	54
1938	Restriction of photoinduced twisted intramolecular charge transfer. <i>ChemPhysChem</i> , 2011 , 12, 397-404	3.2	54
1937	Solvent Effects on Supramolecular Networks Formed by Racemic Star-Shaped Oligofluorene Studied by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8649-8653	3.8	54
1936	Novel photoluminescent polymers containing oligothiophene and m-phenylene-1,3,4-oxadiazole moieties: synthesis and spectroscopic and electrochemical studies. <i>Journal of Organic Chemistry</i> , 2000 , 65, 3894-901	4.2	54
1935	Achieving Optimal Self-Adaptivity for Dynamic Tuning of Organic Semiconductors through Resonance Engineering. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9655-62	16.4	53
1934	Precisely Controlling the Grain Sizes with an Ammonium Hypophosphite Additive for High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1802320	15.6	53
1933	Synthesis, one- and two-photon photophysical and excited-state properties, and sensing application of a new phosphorescent dinuclear cationic iridium(III) complex. <i>Chemistry - A European Journal</i> , 2013 , 19, 621-9	4.8	53
1932	H-shaped oligofluorenes for highly air-stable and low-threshold non-doped deep blue lasing. <i>Advanced Materials</i> , 2014 , 26, 2937-42	24	53
1931	Spirocyclic aromatic hydrocarbon-based organic nanosheets for eco-friendly aqueous processed thin-film non-volatile memory devices. <i>Advanced Materials</i> , 2013 , 25, 3664-9	24	53
1930	Spirocyclic Aromatic Hydrocarbons (SAHs) and their Synthetic Methodologies. <i>Current Organic Chemistry</i> , 2010 , 14, 2169-2195	1.7	53
1929	Novel Light-Emitting Ternary Eu ³⁺ Complexes Based on Multifunctional Bidentate Aryl Phosphine Oxide Derivatives: Tuning Photophysical and Electrochemical Properties toward Bright Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1674-1683	3.8	53
1928	Theoretical studies of the structural, electronic, and optical properties of phosphafluorenes. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 3655-67	2.8	53
1927	Structural, electronic, and optical properties of 9-heterofluorenes: a quantum chemical study. <i>Journal of Computational Chemistry</i> , 2007 , 28, 2091-101	3.5	53
1926	A novel improved procedure for the synthesis of oxazoles. <i>Tetrahedron</i> , 1996 , 52, 10131-10136	2.4	53
1925	Recent developments of advanced micro-supercapacitors: design, fabrication and applications. <i>Npj Flexible Electronics</i> , 2020 , 4,	10.7	53
1924	Perovskite Solar Cells for Space Applications: Progress and Challenges. <i>Advanced Materials</i> , 2021 , 33, e2006545	24	53
1923	Stereoselectively Assembled Metal-Organic Framework (MOF) Host for Catalytic Synthesis of Carbon Hybrids for Alkaline-Metal-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5307-5311	16.4	53
1922	Controlled Encapsulation of Functional Organic Molecules within Metal-Organic Frameworks: In Situ Crystalline Structure Transformation. <i>Advanced Materials</i> , 2017 , 29, 1606290	24	52

1921	Direct population of triplet excited states through singlet-triplet transition for visible-light excitable organic afterglow. <i>Chemical Science</i> , 2019 , 10, 5031-5038	9.4	52
1920	Hypotoxic and Rapidly Metabolic PEG-PCL-C3-ICG Nanoparticles for Fluorescence-Guided Photothermal/Photodynamic Therapy against OSCC. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31509-31518	9.5	52
1919	Carbon materials for enhancing charge transport in the advancements of perovskite solar cells. <i>Journal of Power Sources</i> , 2017 , 361, 259-275	8.9	52
1918	Phosphorescent platinum(II) complexes containing different β -diketonate ligands: synthesis, tunable excited-state properties, and their application in bioimaging. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13951		52
1917	Excellent BODIPY Dye Containing Dimesitylboryl Groups as PeT-Based Fluorescent Probes for Fluoride. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19947-19954	3.8	52
1916	Novel h-shaped persistent architecture based on a dispiro building block system. <i>Organic Letters</i> , 2006 , 8, 1363-6	6.2	52
1915	Conductive Hydrogel-Based Electrodes and Electrolytes for Stretchable and Self-Healable Supercapacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2101303	15.6	52
1914	Triazatruxene-based materials for organic electronics and optoelectronics. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10574-10587	7.1	52
1913	Ultrathin and large-sized vanadium oxide nanosheets mildly prepared at room temperature for high performance fiber-based supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2483-2487	13	51
1912	Metal halide perovskites for resistive switching memory devices and artificial synapses. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7476-7493	7.1	51
1911	Cationic Conjugated Polymer/Hyaluronan-Doxorubicin Complex for Sensitive Fluorescence Detection of Hyaluronidase and Tumor-Targeting Drug Delivery and Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21529-37	9.5	51
1910	Fish Gelatin Based Triboelectric Nanogenerator for Harvesting Biomechanical Energy and Self-Powered Sensing of Human Physiological Signals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16442-16450	9.5	51
1909	Dual-Function Metal-Organic Framework-Based Wearable Fibers for Gas Probing and Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2837-2842	9.5	51
1908	Photoluminescence properties of Eu(3+)-doped glaserite-type orthovanadates CsK(2)Gd[VO(4)](2). <i>Inorganic Chemistry</i> , 2014 , 53, 4161-8	5.1	51
1907	Formation of graphene oxide gel via the β -stacked supramolecular self-assembly. <i>RSC Advances</i> , 2012 , 2, 12204	3.7	51
1906	High-Performance Foam-Shaped Strain Sensor Based on Carbon Nanotubes and TiCT MXene for the Monitoring of Human Activities. <i>ACS Nano</i> , 2021 , 15, 9690-9700	16.7	51
1905	Non-Conjugated Polymer as an Efficient Dopant-Free Hole-Transporting Material for Perovskite Solar Cells. <i>ChemSusChem</i> , 2017 , 10, 2578-2584	8.3	50
1904	Efficient and low-temperature processed perovskite solar cells based on a cross-linkable hybrid interlayer. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18483-18491	13	50

1903	Microcavity top-emission perovskite light-emitting diodes. <i>Light: Science and Applications</i> , 2020 , 9, 89	16.7	50
1902	Controlling Intramolecular Conformation through Nonbonding Interaction for Soft-Conjugated Materials: Molecular Design and Optoelectronic Properties. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3609-15	6.4	50
1901	Synthesis and Crystal Structure of Highly Strained [4]Cyclofluorene: Green-Emitting Fluorophore. <i>Organic Letters</i> , 2016 , 18, 172-5	6.2	50
1900	Promoting Singlet/triplet Exciton Transformation in Organic Optoelectronic Molecules: Role of Excited State Transition Configuration. <i>Scientific Reports</i> , 2017 , 7, 6225	4.9	50
1899	A hydrogen peroxide electrochemical sensor based on silver nanoparticles decorated three-dimensional graphene. <i>Applied Physics Letters</i> , 2014 , 104, 243704	3.4	50
1898	Manipulating the Ultralong Organic Phosphorescence of Small Molecular Crystals. <i>Chemistry - A European Journal</i> , 2020 , 26, 4437-4448	4.8	50
1897	Regulating Dendrite-Free Zinc Deposition by 3D Zincophilic Nitrogen-Doped Vertical Graphene for High-Performance Flexible Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2103922	15.6	50
1896	Alcohol-Mediated Resistance-Switching Behavior in Metal-Organic Framework-Based Electronic Devices. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8884-8	16.4	50
1895	Bio-Erasable Intermolecular Donor-Acceptor Interaction of Organic Semiconducting Nanoprobes for Activatable NIR-II Fluorescence Imaging. <i>Advanced Functional Materials</i> , 2019 , 29, 1807376	15.6	50
1894	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. <i>Nanoscale</i> , 2017 , 9, 5102-5109	7.7	49
1893	Sub-micron silicon/pyrolyzed carbon@natural graphite self-assembly composite anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 313, 187-196	14.7	49
1892	TiO and Co Nanoparticle-Decorated Carbon Polyhedra as Efficient Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019 , 15, e1804533	11	49
1891	Unique characteristics of 2D Ruddlesden-Popper (2DRP) perovskite for future photovoltaic application. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13860-13872	13	49
1890	Band Structure Engineering of Interfacial Semiconductors Based on Atomically Thin Lead Iodide Crystals. <i>Advanced Materials</i> , 2019 , 31, e1806562	24	49
1889	A-Site Cation Engineering of Metal Halide Perovskites: Version 3.0 of Efficient Tin-Based Lead-Free Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2000794	15.6	49
1888	Oxygen self-sufficient NIR-activatable liposomes for tumor hypoxia regulation and photodynamic therapy. <i>Chemical Science</i> , 2019 , 10, 9091-9098	9.4	49
1887	1300 nm absorption two-acceptor semiconducting polymer nanoparticles for NIR-II photoacoustic imaging system guided NIR-II photothermal therapy. <i>Chemical Communications</i> , 2019 , 55, 9487-9490	5.8	49
1886	Endogenous oxygen generating multifunctional theranostic nanoplatform for enhanced photodynamic-photothermal therapy and multimodal imaging. <i>Theranostics</i> , 2019 , 9, 7697-7713	12.1	49

1885	From Dark TICT State to Emissive quasi-TICT State: The AIE Mechanism of N-(3-(benzo[d]oxazol-2-yl)phenyl)-4-tert-butylbenzamide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2133-2141	3.8	49
1884	New trends in the optical and electronic applications of polymers containing transition-metal complexes. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 461-80	4.8	49
1883	Highly Stretchable, Elastic, and Sensitive MXene-Based Hydrogel for Flexible Strain and Pressure Sensors. <i>Research</i> , 2020 , 2020, 2038560	7.8	49
1882	Influence of Eu and Sr co-substitution on multiferroic properties of BiFeO ₃ . <i>Ceramics International</i> , 2016 , 42, 12838-12842	5.1	49
1881	On-demand regulation of photochromic behavior through various counterions for high-level security printing. <i>Science Advances</i> , 2020 , 6, eaaz2386	14.3	49
1880	High-Performance Nonvolatile Organic Field-Effect Transistor Memory Based on Organic Semiconductor Heterostructures of Pentacene/P13/Pentacene as Both Charge Transport and Trapping Layers. <i>Advanced Science</i> , 2017 , 4, 1700007	13.6	49
1879	Dual-emissive nanohybrid for ratiometric luminescence and lifetime imaging of intracellular hydrogen sulfide. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5462-70	9.5	48
1878	Recent progress in small molecule fluorescent probes for nitroreductase. <i>Chinese Chemical Letters</i> , 2018 , 29, 1451-1455	8.1	48
1877	Access to Amide from Aldimine via Aerobic Oxidative Carbene Catalysis and LiCl as Cooperative Lewis Acid. <i>Organic Letters</i> , 2017 , 19, 3362-3365	6.2	48
1876	Preparation of graphene supported nickel nanoparticles and their application to methanol electrooxidation in alkaline medium. <i>New Journal of Chemistry</i> , 2012 , 36, 1108	3.6	48
1875	Effect of clay addition on the morphology and thermal behavior of polyamide 6. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 1191-1199	2.9	48
1874	A Highly Selective, Colorimetric, and Fluorometric Multisignaling Chemosensor for Hg ²⁺ Based on Poly(p-phenyleneethynylene) Containing Benzo[2,1,3]thiadiazole. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1212-1215	4.8	48
1873	A Series of Red-Light-Emitting Ionic Iridium Complexes: Structures, Excited State Properties, and Application in Electroluminescent Devices. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2177-2183	2.3	48
1872	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019 , 31, e1804811	24	48
1871	Enhancing singlet oxygen generation in semiconducting polymer nanoparticles through fluorescence resonance energy transfer for tumor treatment. <i>Chemical Science</i> , 2019 , 10, 5085-5094	9.4	47
1870	A Nontoxic Bifunctional (Anti)Solvent as Digestive-Ripening Agent for High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e1907123	24	47
1869	Pyrene-Capped Conjugated Amorphous Starbursts: Synthesis, Characterization, and Stable Lasing Properties in Ambient Atmosphere. <i>Advanced Functional Materials</i> , 2015 , 25, 4617-4625	15.6	47
1868	Carbazole endcapped heterofluorenes as host materials: theoretical study of their structural, electronic, and optical properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 15448-58	3.6	47

1867	Star-shaped oligofluorenes end-capped with carboxylic groups: syntheses and self-assembly at the liquid-solid interface. <i>ACS Nano</i> , 2007 , 1, 160-7	16.7	47
1866	Demonstration of High-Resolution Capability of Chemical Force Titration via Study of Acid/Base Properties of a Patterned Self-Assembled Monolayer. <i>Langmuir</i> , 2000 , 16, 517-521	4	47
1865	Nitric oxide activatable photosensitizer accompanying extremely elevated two-photon absorption for efficient fluorescence imaging and photodynamic therapy. <i>Chemical Science</i> , 2018 , 9, 999-1005	9.4	47
1864	Type I Photosensitizers Revitalizing Photodynamic Oncotherapy. <i>Small</i> , 2021 , 17, e2006742	11	47
1863	Nitric Oxide-Releasing Polymeric Materials for Antimicrobial Applications: A Review. <i>Antioxidants</i> , 2019 , 8,	7.1	47
1862	Oxygen vacancy enriched hollow cobaltic oxide frames with ultrathin walls for efficient energy storage and biosensing. <i>Nanoscale</i> , 2018 , 10, 21006-21012	7.7	47
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1860	Polarity-assisted formation of hollow-frame sheathed nitrogen-doped nanofibrous carbon for supercapacitors. <i>Nanoscale</i> , 2019 , 11, 2492-2500	7.7	46
1859	Room temperature synthesis of cobalt-manganese-nickel oxalates micropolyhedrons for high-performance flexible electrochemical energy storage device. <i>Scientific Reports</i> , 2015 , 5, 8536	4.9	46
1858	Nano-black phosphorus for combined cancer phototherapy: recent advances and prospects. <i>Nanotechnology</i> , 2018 , 29, 222001	3.4	46
1857	Diarylfuorene-based nano-molecules as dopant-free hole-transporting materials without post-treatment process for flexible p-i-n type perovskite solar cells. <i>Nano Energy</i> , 2018 , 46, 241-248	17.1	46
1856	Templating C60 on MoS2 Nanosheets for 2D Hybrid van der Waals p-n Nanoheterojunctions. <i>Chemistry of Materials</i> , 2016 , 28, 4300-4306	9.6	46
1855	Transient and flexible polymer memristors utilizing full-solution processed polymer nanocomposites. <i>Nanoscale</i> , 2018 , 10, 14824-14829	7.7	46
1854	Monodispersed brush-like conjugated polyelectrolyte nanoparticles with efficient and visualized siRNA delivery for gene silencing. <i>Biomacromolecules</i> , 2013 , 14, 3643-52	6.9	46
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1849	Peripheral Amplification of Multi-Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. <i>Angewandte Chemie</i> , 2018 , 130, 11486-11490	3.6	46
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1847	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11105-11111	16.4	45
1846	Sustainable and Transparent Fish Gelatin Films for Flexible Electroluminescent Devices. <i>ACS Nano</i> , 2020 , 14, 3876-3884	16.7	45
1845	Metallic Sandwiched-Aerogel Hybrids Enabling Flexible and Stretchable Intelligent Sensor. <i>Nano Letters</i> , 2020 , 20, 3449-3458	11.5	45
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1837	Non-viral nanocarriers for intracellular delivery of microRNA therapeutics. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1209-1225	7.3	44
1836	A unique white electroluminescent one-dimensional europium(III) coordination polymer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1893-1903	7.1	44
1835	Graphene oxide-assisted nucleic acids assays using conjugated polyelectrolytes-based fluorescent signal transduction. <i>Analytical Chemistry</i> , 2015 , 87, 3877-83	7.8	44
1834	Ultrasensitive THz Plasmonics gaseous sensor using doped graphene. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 291-295	8.5	44
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1829	Wide-range lifetime-tunable and responsive ultralong organic phosphorescent multi-host/guest system. <i>Nature Communications</i> , 2021 , 12, 3522	17.4	44
1828	From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots. <i>Small</i> , 2017 , 13, 1601001	11	43
1827	A Simple Strategy towards Highly Conductive Silver-Nanowire Inks for Screen-Printed Flexible Transparent Conductive Films and Wearable Energy-Storage Devices. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900196	6.8	43
1826	Design and Synthesis of Biocompatible, Hemocompatible, and Highly Selective Antimicrobial Cationic Peptidopolysaccharides via Click Chemistry. <i>Biomacromolecules</i> , 2019 , 20, 2230-2240	6.9	43
1825	A Highly Efficient Red Metal-free Organic Phosphor for Time-Resolved Luminescence Imaging and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18103-18110	9.5	43
1824	Facial Control Intramolecular Charge Transfer of Quinoid Conjugated Polymers for Efficient in Vivo NIR-II Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16311-16319	9.5	43
1823	Room-Temperature Phosphorescence in Metal-Free Organic Materials. <i>Annalen Der Physik</i> , 2019 , 531, 1800482	2.6	43
1822	Cu,N-Codoped Carbon Nanodisks with Biomimic Stomata-Like Interconnected Hierarchical Porous Topology as Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2019 , 15, e1902410	11	43
1821	Hyper-branched phosphorescent conjugated polyelectrolytes for time-resolved heparin sensing. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4562-8	9.5	43
1820	Dye-conjugated upconversion nanoparticles for ratiometric imaging of intracellular pH values. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6616-6620	7.1	43
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1818	The electrical properties of graphene modified by bromophenyl groups derived from a diazonium compound. <i>Carbon</i> , 2012 , 50, 1517-1522	10.4	43
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1815	Circularly polarized luminescence from organic micro-/nano-structures. <i>Light: Science and Applications</i> , 2021 , 10, 76	16.7	43
1814	Defect Passivation for Red Perovskite Light-Emitting Diodes with Improved Brightness and Stability. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 380-385	6.4	43

1813	Tin-Based Multiple Quantum Well Perovskites for Light-Emitting Diodes with Improved Stability. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 453-459	6.4	43
1812	Smart Design of Nanomaterials for Mitochondria-Targeted Nanotherapeutics. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2232-2256	16.4	43
1811	Flexible Transparent Supercapacitors: Materials and Devices. <i>Advanced Functional Materials</i> , 2021 , 31, 2009136	15.6	43
1810	Reversible Ultralong Organic Phosphorescence for Visual and Selective Chloroform Detection. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33730-33736	9.5	43
1809	Efficient recycling of trapped energies for dual-emission in Mn-doped perovskite nanocrystals. <i>Nano Energy</i> , 2018 , 51, 704-710	17.1	43
1808	Confining isolated chromophores for highly efficient blue phosphorescence. <i>Nature Materials</i> , 2021 , 20, 1539-1544	27	43
1807	A Series of Lanthanide-Based Metal-Organic Frameworks: Synthesis, Structures, and Multicolor Tuning of Single Component. <i>Inorganic Chemistry</i> , 2017 , 56, 2345-2353	5.1	42
1806	Heterostructured TiO Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. <i>Advanced Materials</i> , 2019 , 31, e1904589	24	42
1805	A high-voltage aqueous lithium ion capacitor with high energy density from an alkaline-neutral electrolyte. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4110-4118	13	42
1804	Controllable co-assembly of organic micro/nano heterostructures from fluorescent and phosphorescent molecules for dual anti-counterfeiting. <i>Materials Horizons</i> , 2019 , 6, 984-989	14.4	42
1803	A low-cost phenylbenzimidazole containing electron transport material for efficient green phosphorescent and thermally activated delayed fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5533-5540	7.1	42
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1798	Autophagy-sensitized cytotoxicity of quantum dots in PC12 cells. <i>Advanced Healthcare Materials</i> , 2014 , 3, 354-9	10.1	42
1797	Nanostructured titanate with different metal ions on the surface of metallic titanium: a facile approach for regulation of rBMSCs fate on titanium implants. <i>Small</i> , 2014 , 10, 3169-80	11	42
1796	An ultrasensitive label-free biosensor for assaying of sequence-specific DNA-binding protein based on amplifying fluorescent conjugated polymer. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 218-24	11.8	42

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1793	In situ photoluminescence investigation of doped Alq. <i>Applied Physics Letters</i> , 2002 , 80, 4846-4848	3.4	42
1792	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. <i>National Science Review</i> ,	10.8	42
1791	Designing Highly Efficient Phosphorescent Neutral Tetrahedral Manganese(II) Complexes for Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2019 , 7, 1801160	8.1	42
1790	Energy-level engineered hollow N-doped NiS _{1.03} for ZnAir batteries. <i>Energy Storage Materials</i> , 2020 , 25, 202-209	19.4	42
1789	WS moir'superlattices derived from mechanical flexibility for hydrogen evolution reaction. <i>Nature Communications</i> , 2021 , 12, 5070	17.4	42
1788	Lead-Free Perovskite Materials for Solar Cells. <i>Nano-Micro Letters</i> , 2021 , 13, 62	19.5	42
1787	Self-assembling sulfonated graphene/polyaniline nanocomposite paper for high performance supercapacitor. <i>Synthetic Metals</i> , 2015 , 199, 79-86	3.6	41
1786	Dopant-free hole transport materials based on alkyl-substituted indacenodithiophene for planar perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4706-4713	7.1	41
1785	Preparation and applications of novel composites composed of metal-organic frameworks and two-dimensional materials. <i>Chemical Communications</i> , 2016 , 52, 1555-62	5.8	41
1784	Tumor-targeting, enzyme-activated nanoparticles for simultaneous cancer diagnosis and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 113-120	7.3	41
1783	Breaking the Efficiency Limit of Fluorescent OLEDs by Hybridized Local and Charge-Transfer Host Materials. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5240-5245	6.4	41
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1781	Plasmonic nanobiosensor based on hairpin DNA for detection of trace oligonucleotides biomarker in cancers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2459-66	9.5	41
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1775	Topochemical Synthesis of 2D Carbon Hybrids through Self-Boosting Catalytic Carbonization of a Metal-Polymer Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16436-16441	16.4	41
1774	NIR-Absorbing Dye Functionalized Supramolecular Vesicles for Chemo-photothermal Synergistic Therapy. <i>ACS Applied Bio Materials</i> , 2018 , 1, 70-78	4.1	41
1773	Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. <i>Nano Research</i> , 2017 , 10, 794-801	10	40
1772	Eco-friendly direct (hetero)-arylation polymerization: scope and limitation. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 29-40	7.1	40
1771	Triazine-phosphine oxide electron transporter for ultralow-voltage-driven sky blue PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4890-4902	7.1	40
1770	Access to Enantioenriched Organosilanes from Enals and β -Silyl Enones: Carbene Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4594-4598	16.4	40
1769	Phosphorescent iridium(iii) complexes: a versatile tool for biosensing and photodynamic therapy. <i>Dalton Transactions</i> , 2018 , 47, 7628-7633	4.3	40
1768	Star-Shaped Single-Polymer Systems with Simultaneous RGB Emission: Design, Synthesis, Saturated White Electroluminescence, and Amplified Spontaneous Emission. <i>Macromolecules</i> , 2016 , 49, 2549-2558	5.5	40
1767	Patterning Islandlike MnO Arrays by Breath-Figure Templates for Flexible Transparent Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27001-27008	9.5	40
1766	Dual-Emissive Phosphorescent Polymer Probe for Accurate Temperature Sensing in Living Cells and Zebrafish Using Ratiometric and Phosphorescence Lifetime Imaging Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17542-17550	9.5	40
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1756	Thermally populated "bright" states for wide-range and high temperature sensing in air. <i>Chemical Communications</i> , 2017 , 53, 5702-5705	5.8	39
1755	Fiber-based all-solid-state asymmetric supercapacitors based on Co ₃ O ₄ @MnO ₂ core/shell nanowire arrays. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22939-22944	13	39
1754	A mitochondria-targeted two-photon fluorogenic probe for the dual-imaging of viscosity and H ₂ O ₂ levels in Parkinson's disease models. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4243-4251	7.3	39
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1751	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. <i>Nanoscale</i> , 2018 , 10, 5442-5448	7.7	39
1750	Stereoselective photoredox ring-opening polymerization of O-carboxyanhydrides. <i>Nature Communications</i> , 2018 , 9, 1559	17.4	39
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1737	A single wire as all-inclusive fully functional supercapacitor. <i>Nano Energy</i> , 2017 , 32, 201-208	17.1	38
1736	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. <i>Chemical Communications</i> , 2017 , 53, 1680-1683	5.8	38
1735	Fabrication of Flexible Transparent Electrode with Enhanced Conductivity from Hierarchical Metal Grids. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39110-39115	9.5	38
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1028	Easily fixed simple small ESIPT molecule with aggregation induced emission for fast and photostable turn-on bioimaging. <i>RSC Advances</i> , 2015 , 5, 7789-7793	3.7	14
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