

Weiyou Yang

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105
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606
ext. papers

20,637
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
569	Metallated conjugated polymers as a new avenue towards high-efficiency polymer solar cells. <i>Nature Materials</i> , 2007 , 6, 521-7	27	523
568	Functional metallophosphors for effective charge carrier injection/transport: new robust OLED materials with emerging applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4457		484
567	Improvement of open-circuit voltage and photovoltaic properties of 2D-conjugated polymers by alkylthio substitution. <i>Energy and Environmental Science</i> , 2014 , 7, 2276-2284	35.4	460
566	Organometallic photovoltaics: a new and versatile approach for harvesting solar energy using conjugated polymetallaynes. <i>Accounts of Chemical Research</i> , 2010 , 43, 1246-56	24.3	401
565	Organometallic acetylides of Pt(II), Au(I) and Hg(II) as new generation optical power limiting materials. <i>Chemical Society Reviews</i> , 2011 , 40, 2541-66	58.5	280
564	A photofunctional bottom-up bis(dipyrrinato)zinc(II) complex nanosheet. <i>Nature Communications</i> , 2015 , 6, 6713	17.4	249
563	A Multifunctional Iridium-Carbazolyl Orange Phosphor for High-Performance Two-Element WOLED Exploiting Exciton-Managed Fluorescence/Phosphorescence. <i>Advanced Functional Materials</i> , 2008 , 18, 928-937	15.6	241
562	Recent design tactics for high performance white polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1760	7.1	239
561	Tuning the absorption, charge transport properties, and solar cell efficiency with the number of thienyl rings in platinum-containing poly(aryleneethynylene)s. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14372-80	16.4	231
560	Metallophosphors of platinum with distinct main-group elements: a versatile approach towards color tuning and white-light emission with superior efficiency/color quality/brightness trade-offs. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7472		199
559	Luminescent organometallic poly(aryleneethynylene)s: functional properties towards implications in molecular optoelectronics. <i>Dalton Transactions</i> , 2007 , 4495-510	4.3	198
558	Multifunctional iridium complexes based on carbazole modules as highly efficient electrophosphores. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7800-3	16.4	193
557	Small-molecular blue phosphorescent dyes for organic light-emitting devices. <i>New Journal of Chemistry</i> , 2013 , 37, 1665	3.6	174
556	Recent Progress on the Photonic Properties of Conjugated Organometallic Polymers Built Upon the trans-Bis(para-ethynylbenzene)bis(phosphine)platinum(II) Chromophore and Related Derivatives. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 671-713	4.8	172
555	Superior Photodetectors Based on All-Inorganic Perovskite CsPbI Nanorods with Ultrafast Response and High Stability. <i>ACS Nano</i> , 2018 , 12, 1611-1617	16.7	169
554	White Organic Light-Emitting Diodes with Evenly Separated Red, Green, and Blue Colors for Efficiency/Color-Rendition Trade-Off Optimization. <i>Advanced Functional Materials</i> , 2011 , 21, 3785-3793	15.6	154
553	High-performance polymer solar cells based on a 2D-conjugated polymer with an alkylthio side-chain. <i>Energy and Environmental Science</i> , 2016 , 9, 885-891	35.4	150

552	High-Performance Trifunctional Electrocatalysts Based on FeCo/Co ₂ P Hybrid Nanoparticles for Zinc-Air Battery and Self-Powered Overall Water Splitting. <i>Advanced Energy Materials</i> , 2020 , 10, 1903854	21.8	143
551	Metallopolyyne Polymers as New Functional Materials for Photovoltaic and Solar Cell Applications. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 14-24	2.6	136
550	Synthesis and near-infrared luminescence of 3d-4f bi-metallic Schiff base complexes. <i>New Journal of Chemistry</i> , 2002 , 26, 275-278	3.6	136
549	Highly Efficient Photocatalytic Hydrogen Evolution in Ternary Hybrid TiO ₂ /CuO/Cu Thoroughly Mesoporous Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20128-37	9.5	132
548	Synthesis of silicon carbide nanorods by catalyst-assisted pyrolysis of polymeric precursor. <i>Chemical Physics Letters</i> , 2004 , 383, 441-444	2.5	127
547	A polyferroplatinyne precursor for the rapid fabrication of L1(0) -FePt-type bit patterned media by nanoimprint lithography. <i>Advanced Materials</i> , 2012 , 24, 1034-40	24	126
546	Symmetric Versus Unsymmetric Platinum(II) Bis(aryleneethynylene)s with Distinct Electronic Structures for Optical Power Limiting/Optical Transparency Trade-off Optimization. <i>Advanced Functional Materials</i> , 2009 , 19, 531-544	15.6	122
545	Recent Advances in Luminescent Transition Metal Polyyne Polymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005 , 15, 197-219	3.2	116
544	Single-Molecular White-Light Emitters and Their Potential WOLED Applications. <i>Advanced Materials</i> , 2020 , 32, e1903269	24	116
543	Synthesis and Electronic Properties of New Photoluminescent Platinum-Containing Polyynes with 9,9-Dihexylfluorene and 9-Butylcarbazole Units. <i>Macromolecules</i> , 2002 , 35, 3506-3513	5.5	115
542	From Mononuclear to Dinuclear Iridium(III) Complex: Effective Tuning of the Optoelectronic Characteristics for Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 1720-7	5.1	114
541	Superior thoroughly mesoporous ternary hybrid photocatalysts of TiO ₂ /WO ₃ /g-C ₃ N ₄ nanofibers for visible-light-driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6276-6281	13	108
540	Multifunctional metallophosphors with anti-triplet-triplet annihilation properties for solution-processable electroluminescent devices. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1799		106
539	Carbazole-based coplanar molecule (CmInF) as a universal host for multi-color electrophosphorescent devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 215-224		105
538	New Co(OH) ₂ /CdS nanowires for efficient visible light photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5282-5287	13	99
537	General strategy for fabricating thoroughly mesoporous nanofibers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16716-9	16.4	99
536	Recent Advances in Solution-Processable Dendrimers for Highly Efficient Phosphorescent Organic Light-Emitting Diodes (PHOLEDs). <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 394-429	3	99
535	Synthesis and lithographic patterning of FePt nanoparticles using a bimetallic metallopolyyne precursor. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1255-9	16.4	98

534	Near-Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2018 , 6, 1800466	8.1	92
533	Excitation Wavelength Dependent Fluorescence of an ESIPT Triazole Derivative for Amine Sensing and Anti-Counterfeiting Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8773-8778	16.4	91
532	One-dimensional WO ₃ /BiVO ₄ heterojunction photoanodes for efficient photoelectrochemical water splitting. <i>Chemical Engineering Journal</i> , 2018 , 349, 368-375	14.7	90
531	Thermal stability of Mn ²⁺ ion luminescence in Mn-doped core-shell quantum dots. <i>Nanoscale</i> , 2014 , 6, 300-7	7.7	87
530	Tetranuclear NIR luminescent Schiff-base Zn ^{II} d complexes. <i>New Journal of Chemistry</i> , 2008 , 32, 127-131	3.6	83
529	Photofunctionality in Porphyrin-Hybridized Bis(dipyrrinato)zinc(II) Complex Micro- and Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3526-3530	16.4	82
528	Recent advances in green nanoparticulate systems for drug delivery: efficient delivery and safety concern. <i>Nanomedicine</i> , 2017 , 12, 357-385	5.6	81
527	A General Strategy for In Situ Growth of All-Inorganic CsPbX ₃ (X = Br, I, and Cl) Perovskite Nanocrystals in Polymer Fibers toward Significantly Enhanced Water/Thermal Stabilities. <i>Advanced Optical Materials</i> , 2018 , 6, 1800346	8.1	81
526	Triplet emission in soluble mercury(II) polyynes polymers. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4064-8	16.4	80
525	Flexible Devices: Extremely Stable Current Emission of P-Doped SiC Flexible Field Emitters (Adv. Sci. 1/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	78
524	Selective capture of iodide from solutions by microrosette-like Bi ₂ O ₃ . <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16082-90	9.5	78
523	Enhancing the Performance of Quantum Dot Light-Emitting Diodes Using Room-Temperature-Processed Ga-Doped ZnO Nanoparticles as the Electron Transport Layer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15605-15614	9.5	76
522	Syntheses, structures, two-photon absorption cross-sections and computed second hyperpolarisabilities of quadrupolar A ₂ systems containing E-dimesitylborylethenyl acceptors. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7532		76
521	A versatile color tuning strategy for iridium(III) and platinum(II) electrophosphors by shifting the charge-transfer states with an electron-deficient core. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1872		76
520	Design and Synthesis of Near-Infrared Emissive Lanthanide Complexes Based on Macrocyclic Ligands. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4651-4674	2.3	73
519	Optical properties of single-crystalline Bi ₃ N ₄ nanobelts. <i>Applied Physics Letters</i> , 2005 , 86, 061908	3.4	73
518	Triplet Emission in Platinum-Containing Poly(alkynylsilanes). <i>Macromolecules</i> , 2003 , 36, 983-990	5.5	70
517	Structural engineering of porphyrin-based small molecules as donors for efficient organic solar cells. <i>Chemical Science</i> , 2016 , 7, 4301-4307	9.4	69

516	Morphology Control in the Vapor-Liquid-Solid Growth of SiC Nanowires. <i>Crystal Growth and Design</i> , 2008 , 8, 3893-3896	3.5	69
515	Synthesis, Redox and Optical Properties of Low-Bandgap Platinum(II) Polyynes with 9-Dicyanomethylene-Substituted Fluorene Acceptors. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 461-465	4.8	69
514	Metallopolymers for energy production, storage and conservation. <i>Polymer Chemistry</i> , 2015 , 6, 6905-6930	4.9	68
513	Ultra-Long Single-Crystalline β -Si ₃ N ₄ Nanowires: Derived from a Polymeric Precursor. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1647-1650	3.8	68
512	Power-efficient solution-processed red organic light-emitting diodes based on an exciplex host and a novel phosphorescent iridium complex. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5787-5794	7.1	68
511	Phosphorescent soft salt for ratiometric and lifetime imaging of intracellular pH variations. <i>Chemical Science</i> , 2016 , 7, 3338-3346	9.4	67
510	Synthesis, structure and near-infrared luminescence of neutral 3d ^{4f} bi-metallic monoporphyrate complexes. <i>Dalton Transactions RSC</i> , 2001 , 3092-3098		67
509	Hydrogenated TiO Nanorod Arrays Decorated with Carbon Quantum Dots toward Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19167-19175	9.5	65
508	Triphenylamine-Dendronized Pure Red Iridium Phosphors with Superior OLED Efficiency/Color Purity Trade-Offs. <i>Angewandte Chemie</i> , 2007 , 119, 1167-1169	3.6	64
507	A Near-Infrared-Fluorescent Chemodosimeter for Mercuric Ion Based on an Expanded Porphyrin. <i>Angewandte Chemie</i> , 2006 , 118, 3222-3226	3.6	64
506	One-dimensional SiC nanostructures: Designed growth, properties, and applications. <i>Progress in Materials Science</i> , 2019 , 104, 138-214	42.2	62
505	Tailored Fabrication of Thoroughly Mesoporous BiVO ₄ Nanofibers and Their Visible-Light Photocatalytic Activities. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1929-36	9.5	62
504	New phosphorescent platinum(II) Schiff base complexes for PHOLED applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16448		62
503	New low-bandgap polymetallaynes of platinum functionalized with a triphenylamine-benzothiadiazole donor-acceptor unit for solar cell applications. <i>Polymer Chemistry</i> , 2011 , 2, 432-440	4.9	62
502	A molecular approach to magnetic metallic nanostructures from metallopolymer precursors. <i>Chemical Society Reviews</i> , 2018 , 47, 4934-4953	58.5	62
501	Cyclometalated Iridium(III) Carbene Phosphors for Highly Efficient Blue Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40497-40502	9.5	61
500	Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7136		61
499	Highly efficient iridium(III) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 808-821	7.1	61

- 498 Versatile phosphorescent color tuning of highly efficient borylated iridium(III) cyclometalates by manipulating the electron-accepting capacity of the dimesitylboron group. *Journal of Materials Chemistry C*, **2013**, 1, 3317 7.1 61
- 497 Hyperbranched Phosphorescent Conjugated Polymer Dots with Iridium(III) Complex as the Core for Hypoxia Imaging and Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 28319-28330 9.5 60
- 496 Shape and Doping Enhanced Field Emission Properties of Quasialigned 3C-SiC Nanowires. *Journal of Physical Chemistry C*, **2010**, 114, 8251-8255 3.8 60
- 495 Ferrocene-containing poly(fluorenylethynylene)s for nonvolatile resistive memory devices. *Journal of Materials Chemistry C*, **2016**, 4, 921-928 7.1 59
- 494 Growth of flexible N-doped SiC quasialigned nanoarrays and their field emission properties. *Journal of Materials Chemistry C*, **2013**, 1, 4779 7.1 59
- 493 Efficient Photocatalytic Activities of TiO₂ Hollow Fibers with Mixed Phases and Mesoporous Walls. *Scientific Reports*, **2015**, 5, 15228 4.9 59
- 492 Novel host materials for single-component white organic light-emitting diodes based on 9-naphthylanthracene derivatives. *Journal of Materials Chemistry*, **2008**, 18, 4529 59
- 491 Tailored Electrospinning of WO₃ Nanobelts as Efficient Ultraviolet Photodetectors with Photo-Dark Current Ratios up to 1000. *ACS Applied Materials & Interfaces*, **2015**, 7, 10878-85 9.5 58
- 490 Effects of Alkylthio and Alkoxy Side Chains in Polymer Donor Materials for Organic Solar Cells. *Macromolecular Rapid Communications*, **2016**, 37, 287-302 4.8 58
- 489 WO/BiVO₄ Type-II Heterojunction Arrays Decorated with Oxygen-Deficient ZnO Passivation Layer: A Highly Efficient and Stable Photoanode. *ACS Applied Materials & Interfaces*, **2019**, 11, 889-897 9.5 58
- 488 Long-lived and well-resolved Mn²⁺ ion emissions in CuInS-ZnS quantum dots. *Scientific Reports*, **2014**, 4, 7510 4.9 57
- 487 Highly flexible and robust N-doped SiC nanoneedle field emitters. *NPG Asia Materials*, **2015**, 7, e157-e157 10.3 57
- 486 Piezoresistance behaviors of p-type 6H-SiC nanowires. *Chemical Communications*, **2011**, 47, 11993-5 5.8 57
- 485 Robust and highly efficient blue light-emitting hosts based on indene-substituted anthracene. *Journal of Materials Chemistry*, **2010**, 20, 3768 57
- 484 Ultraviolet photoluminescence from 3C-SiC nanorods. *Applied Physics Letters*, **2006**, 89, 143101 3.4 57
- 483 Efficient Electrophosphorescence from a Platinum Metallopolyyne Featuring a 2,7-Carbazole Chromophore. *Macromolecular Chemistry and Physics*, **2009**, 210, 1786-1798 2.6 55
- 482 Bis-Tridentate Iridium(III) Phosphors Bearing Functional 2-Phenyl-6-(imidazol-2-ylidene)pyridine and 2-(Pyrazol-3-yl)-6-phenylpyridine Chelates for Efficient OLEDs. *Organometallics*, **2016**, 35, 1813-1824 3.8 54
- 481 Controlled Al-Doped Single-Crystalline 6H-SiC Nanowires. *Crystal Growth and Design*, **2008**, 8, 1461-1464 3.5 54

480	New Terthiophene-Conjugated Porphyrin Donors for Highly Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30176-30183	9.5	53
479	Metal-metal and ligand-ligand interactions in gold poly-yne systems. <i>CrystEngComm</i> , 2002 , 4, 405-412	3.3	53
478	Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24703-14	9.5	52
477	Large-scale growth of well-aligned SiC tower-like nanowire arrays and their field emission properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 526-33	9.5	52
476	Facile Generation of L10-FePt Nanodot Arrays from a Nanopatterned Metallopolymer Blend of Iron and Platinum Homopolymers. <i>Advanced Functional Materials</i> , 2014 , 24, 857-862	15.6	51
475	Near-Infrared Luminescent, Neutral, Cyclic Zn ₂ Ln ₂ (Ln = Nd, Yb, and Er) Complexes from Asymmetric Salen-Type Schiff Base Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 2714-2722	2.2	51
474	Oligo(fluorenyleneethynylene)germylene)s and their metallopolymers. <i>Chemical Communications</i> , 2004 , 2420-1	5.8	51
473	Synthesis, structures and properties of platinum(II) complexes of oligothiophene-functionalized ferrocenylacetylene. <i>Dalton Transactions RSC</i> , 2001 , 3250-3260		51
472	Efficient ultraviolet photodetectors based on TiO ₂ nanotube arrays with tailored structures. <i>RSC Advances</i> , 2015 , 5, 52388-52394	3.7	50
471	3D graphene/hydroxypropyl- β -cyclodextrin nanocomposite as an electrochemical chiral sensor for the recognition of tryptophan enantiomers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12822-12829	7.1	50
470	Practical Synthetic Approach to Chiral Sulfonylimides (CSIs) [Chiral Brønsted Acids for Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 4181-4184	3.2	49
469	A simple and efficient approach toward deep-red to near-infrared-emitting iridium(III) complexes for organic light-emitting diodes with external quantum efficiencies of over 10. <i>Chemical Science</i> , 2020 , 11, 2342-2349	9.4	49
468	Advanced Supercapacitors Based on Porous Hollow Carbon Nanofiber Electrodes with High Specific Capacitance and Large Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4777-4786	9.5	49
467	Highly sensitive piezoresistance behaviors of n-type 3C-SiC nanowires. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4514	7.1	48
466	MOLECULAR DESIGN, SYNTHESIS AND STRUCTURE-PROPERTY RELATIONSHIP OF OLIGOTHIOPHENE-DERIVED METALLAYNES. <i>Comments on Inorganic Chemistry</i> , 2005 , 26, 39-74	3.9	48
465	Highly efficient and well-resolved Mn ²⁺ ion emission in MnS/ZnS/CdS quantum dots. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2540	7.1	47
464	Highly Efficient and Selective Synthesis of (E)- α -Unsaturated Ketones by Crossed Condensation of Ketones and Aldehydes Catalyzed by an Air-Stable Cationic Organobismuth Perfluorooctanesulfonate. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 153-162	5.6	47
463	Exceedingly high photocatalytic activity of g-C ₃ N ₄ /Gd-N-TiO ₂ composite with nanoscale heterojunctions. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 168, 91-99	6.4	46

- 462 High-temperature stable field emission of B-doped SiC nanoneedle arrays. *Nanoscale*, **2015**, 7, 7585-92 7.7 46
- 461 Nitrogen-doped one-dimensional (1D) macroporous carbonaceous nanotube arrays and their application in electrocatalytic oxygen reduction reactions. *Nanoscale*, **2014**, 6, 11057-61 7.7 46
- 460 Co-sensitization of 3D bulky phenothiazine-cored photosensitizers with planar squaraine dyes for efficient dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 13848-13855 13 46
- 459 Organometallic Polymer Light-Emitting Diodes Derived from a Platinum(II) Polyynes Containing the Bithiazole Ring. *Macromolecular Chemistry and Physics*, **2008**, 209, 1319-1332 2.6 46
- 458 Extremely Stable Current Emission of P-Doped SiC Flexible Field Emitters. *Advanced Science*, **2016**, 3, 1500256 13.6 46
- 457 Achieving High-Performance Solution-Processed Orange OLEDs with the Phosphorescent Cyclometalated Trinuclear Pt(II) Complex. *ACS Applied Materials & Interfaces*, **2018**, 10, 10227-10235 9.5 45
- 456 Phosphorescent Cu(I) complexes based on bis(pyrazol-1-yl-methyl)-pyridine derivatives for organic light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 138-146 7.1 44
- 455 Comparison of computed tomographic and standard radiographic determination of tibial torsion in the dog. *Veterinary Surgery*, **2005**, 34, 457-62 1.7 44
- 454 Synthesis, structures and optical spectroscopy of photoluminescent platinum-linked poly(silylacetylenes). *Dalton Transactions RSC*, **2002**, 4587-4594 44
- 453 Platinum(II) cyclometallates featuring broad emission bands and their applications in color-tunable OLEDs and high color-rendering WOLEDs. *Journal of Materials Chemistry C*, **2016**, 4, 6016-6026 7.1 44
- 452 Robust and Stable Ratiometric Temperature Sensor Based on ZnInBe Quantum Dots with Intrinsic Dual-Dopant Ion Emissions. *Advanced Functional Materials*, **2016**, 26, 7224-7233 15.6 43
- 451 Synthesis, Structures and Optical Power Limiting of Some Transition Metal and Lanthanide Monoporphyrinate Complexes Containing Electron-Rich Diphenylamino Substituents. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2004-2013 2.3 43
- 450 Efficient Deep-Blue Electrofluorescence with an External Quantum Efficiency Beyond 10. *IScience*, **2018**, 9, 532-541 6.1 43
- 449 Color-tunable photoluminescence of Cu-doped ZnInBe quantum dots and their electroluminescence properties. *Journal of Materials Chemistry C*, **2016**, 4, 581-588 7.1 42
- 448 Formation of dynamic metallo-copolymers by inkjet printing: towards white-emitting materials. *Journal of Materials Chemistry C*, **2013**, 1, 1812 7.1 42
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- 446 Gelcasting of alumina ceramics in the mixed acrylamide and polyacrylamide systems. *Journal of the European Ceramic Society*, **2003**, 23, 2273-2279 6 42
- 445 Synthesis, Crystal Structures and Photophysical Properties of Novel Tetranuclear Cadmium(II) Schiff-Base Complexes. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3950-3954 2.3 42

444	BiVO ₄ @TiO ₂ core-shell hybrid mesoporous nanofibers towards efficient visible-light-driven photocatalytic hydrogen production. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7858-7864	7.1	40
443	Metallopolymer precursors to L10-CoPt nanoparticles: synthesis, characterization, nanopatterning and potential application. <i>Nanoscale</i> , 2016 , 8, 7068-74	7.7	40
442	Bipolar hosts and non-doped deep-blue emitters (CIE _y = 0.04) based on phenylcarbazole and 2-(2-phenyl-2H-1,2,4-triazol-3-yl)pyridine groups. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4455-4462	7.1	39
441	Patterning of L1 FePt nanoparticles with ultra-high coercivity for bit-patterned media. <i>Nanoscale</i> , 2017 , 9, 731-738	7.7	39
440	High-performance solar-blind ultraviolet photodetector based on electrospun TiO ₂ -ZnTiO ₃ heterojunction nanowires. <i>Nano Research</i> , 2015 , 8, 2822-2832	10	39
439	One-dimensional mesoporous inorganic nanostructures and their applications in energy, sensor, catalysis and adsorption. <i>Progress in Materials Science</i> , 2020 , 113, 100671	42.2	39
438	A-D-A Type Small Molecules Based on Boron Dipyrromethene for Solution-Processed Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1513-8	4.5	39
437	Controlled Al-doped single-crystalline silicon nitride nanowires synthesized via pyrolysis of polymer precursors. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4156-60	3.4	39
436	Investigation of pyrolysis temperature in the one-step synthesis of L10 FePt nanoparticles from a FePt-containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 734-741	7.1	38
435	General Strategy for Rapid Production of Low-Dimensional All-Inorganic CsPbBr Perovskite Nanocrystals with Controlled Dimensionalities and Sizes. <i>Inorganic Chemistry</i> , 2018 , 57, 1598-1603	5.1	38
434	Piezoelectric Materials for Controlling Electro-Chemical Processes. <i>Nano-Micro Letters</i> , 2020 , 12, 149	19.5	38
433	Luminescence Color Tuning by Regulating Electrostatic Interaction in Light-Emitting Devices and Two-Photon Excited Information Decryption. <i>Inorganic Chemistry</i> , 2017 , 56, 2409-2416	5.1	37
432	Bandgap alignment of CsPbI ₃ perovskites with synergistically enhanced stability and optical performance via B-site minor doping. <i>Nano Energy</i> , 2019 , 61, 389-396	17.1	37
431	Direct synthesis of L10-FePt nanoparticles from single-source bimetallic complex and their electrocatalytic applications in oxygen reduction and hydrogen evolution reactions. <i>Nano Research</i> , 2019 , 12, 2954-2959	10	37
430	A transparent CdS@TiO ₂ nanotextile photoanode with boosted photoelectrocatalytic efficiency and stability. <i>Nanoscale</i> , 2017 , 9, 15650-15657	7.7	37
429	Precise control on the growth of SiC nanowires. <i>CrystEngComm</i> , 2012 , 14, 1210-1212	3.3	37
428	Effects of various π -conjugated spacers in thiadiazole[3,4-c]pyridine-cored panchromatic organic dyes for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3103-3112	13	36
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