

Hui Xu

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199
papers

6,627
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45
h-index

73
g-index

214
ext. papers

7,700
ext. citations

8.9
avg, IF

6.21
L-index

#	Paper	IF	Citations
199	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014 , 43, 3259-302	58.5	823
198	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
197	Electroluminescence from europium(III) complexes. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 228-249	24	166
196	A simple phosphine-oxide host with a multi-insulating structure: high triplet energy level for efficient blue electrophosphorescence. <i>Chemistry - A European Journal</i> , 2011 , 17, 5800-3	4.8	145
195	Multiphosphine-Oxide Hosts for Ultralow-Voltage-Driven True-Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency beyond 20. <i>Advanced Materials</i> , 2016 , 28, 479-85 ²⁴	24	132
194	Application of chelate phosphine oxide ligand in Eu(III) complex with mezzo triplet energy level, highly efficient photoluminescent, and electroluminescent performances. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3023-9	3.4	127
193	Ternary ambipolar phosphine oxide hosts based on indirect linkage for highly efficient blue electrophosphorescence: towards high triplet energy, low driving voltage and stable efficiencies. <i>Advanced Materials</i> , 2012 , 24, 509-14	24	118
192	Controllably tuning excited-state energy in ternary hosts for ultralow-voltage-driven blue electrophosphorescence. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10104-8	16.4	114
191	Short-axis substitution approach selectively optimizes electrical properties of dibenzothiophene-based phosphine oxide hosts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19179-88	16.4	113
190	Multi-dipolar Chromophores Featuring Phosphine Oxide as Joint Acceptor: A New Strategy toward High-Efficiency Blue Thermally Activated Delayed Fluorescence Dyes. <i>Chemistry of Materials</i> , 2016 , 28, 5667-5679	9.6	111
189	A single phosphine oxide host for high-efficiency white organic light-emitting diodes with extremely low operating voltages and reduced efficiency roll-off. <i>Advanced Materials</i> , 2011 , 23, 2491-6	24	109
188	Highly luminescent bis-diketone lanthanide complexes with triple-stranded dinuclear structure. <i>Dalton Transactions</i> , 2012 , 41, 900-7	4.3	95
187	Secondary Acceptor Optimization for Full-Exciton Radiation: Toward Sky-Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency of B0. <i>Advanced Materials</i> , 2018 , 30, e1804228	24	91
186	Magnetic Nanoparticle-Supported Morita-Baylis-Hillman Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2431-2434	5.6	89
185	Functionalized Chiral Ionic Liquids as Highly Efficient Asymmetric Organocatalysts for Michael Addition to Nitroolefins. <i>Angewandte Chemie</i> , 2006 , 118, 3165-3169	3.6	89
184	Harmonizing Triplet Level and Ambipolar Characteristics of Wide-Gap Phosphine Oxide Hosts toward Highly Efficient and Low Driving Voltage Blue and Green PHOLEDs: An Effective Strategy Based on Spiro-Systems. <i>Chemistry of Materials</i> , 2011 , 23, 5331-5339	9.6	87
183	Dibenzothiophene-Based Phosphine Oxide Host and Electron-Transporting Materials for Efficient Blue Thermally Activated Delayed Fluorescence Diodes through Compatibility Optimization. <i>Chemistry of Materials</i> , 2015 , 27, 5131-5140	9.6	79

182	Recent Progress in Polymer White Light-Emitting Materials and Devices. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 314-342	2.6	79
181	Extremely condensing triplet states of DPEPO-type hosts through constitutional isomerization for high-efficiency deep-blue thermally activated delayed fluorescence diodes. <i>Chemical Science</i> , 2016 , 7, 2870-2882	9.4	78
180	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. <i>Journal of Environmental Sciences</i> , 2017 , 54, 1-12	6.4	74
179	Highly Efficient and Color-Stable Thermally Activated Delayed Fluorescence White Light-Emitting Diodes Featured with Single-Doped Single Emissive Layers. <i>Advanced Materials</i> , 2020 , 32, e1906950	24	74
178	Highly efficient multifuorenyl host materials with unsymmetrical molecular configurations and localized triplet States for green and red phosphorescent devices. <i>Advanced Materials</i> , 2014 , 26, 7070-7	24	73
177	Highly improved electroluminescence from a series of novel Eu(III) complexes with functional single-coordinate phosphine oxide ligands: tuning the intramolecular energy transfer, morphology, and carrier injection ability of the complexes. <i>Chemistry - A European Journal</i> , 2007 , 13, 10281-93	4.8	73
176	Dipole-Dipole Interaction Management for Efficient Blue Thermally Activated Delayed Fluorescence Diodes. <i>Chem</i> , 2018 , 4, 2154-2167	16.2	73
175	Oxygen-containing Functional Groups Enhancing Electrochemical Performance of Porous Reduced Graphene Oxide Cathode in Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015 , 174, 762-769	6.7	69
174	Balanced Dual Emissions from Tridentate Phosphine-Coordinate Copper(I) Complexes toward Highly Efficient Yellow OLEDs. <i>Advanced Materials</i> , 2016 , 28, 5975-9	24	68
173	Dynamically adaptive characteristics of resonance variation for selectively enhancing electrical performance of organic semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10491-5	16.4	66
172	A Phosphanthrene Oxide Host with Close Sphere Packing for Ultralow-Voltage-Driven Efficient Blue Thermally Activated Delayed Fluorescence Diodes. <i>Advanced Materials</i> , 2017 , 29, 1700553	24	64
171	Insulated donor-acceptor systems based on fluorene-phosphine oxide hybrids for non-doped deep-blue electroluminescent devices. <i>Chemical Communications</i> , 2012 , 48, 6157-9	5.8	64
170	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. <i>Nano Research</i> , 2014 , 7, 1280-1290	10	59
169	A new phosphine oxide host based on ortho-disubstituted dibenzofuran for efficient electrophosphorescence: towards high triplet state excited levels and excellent thermal, morphological and efficiency stability. <i>Chemistry - A European Journal</i> , 2011 , 17, 8947-56	4.8	59
168	A Novel Deep Blue-Emitting ZnII Complex Based on Carbazole-Modified 2-(2-Hydroxyphenyl)benzimidazole: Synthesis, Bright Electroluminescence, and Substitution Effect on Photoluminescent, Thermal, and Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15517-15525	3.8	58
167	Towards highly efficient blue-phosphorescent organic light-emitting diodes with low operating voltage and excellent efficiency stability. <i>Chemistry - A European Journal</i> , 2011 , 17, 445-9	4.8	57
166	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. <i>Nature</i> , 2020 , 587, 594-599	5.9	57
165	Integrating the Emitter and Host Characteristics of Donor-Acceptor Systems through Edge-Spiro Effect Toward 100% Exciton Harvesting in Blue and White Fluorescence Diodes. <i>Advanced Optical Materials</i> , 2018 , 6, 1800165	8.1	56

164	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. <i>Chemistry of Materials</i> , 2017 , 29, 6606-6610	9.6	55
163	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
162	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
161	Small molecular glasses based on multiposition encapsulated phenyl benzimidazole iridium(III) complexes: toward efficient solution-processable host-free electrophosphorescent diodes. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 141-50	3.4	52
160	Blue Thermally Activated Delayed Fluorescence-Emitting Phosphine Oxide Hosts for Ultrasimple and Highly Efficient White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018 , 6, 1800020	8.1	51
159	Amorphous SnO ₂ /graphene aerogel nanocomposites harvesting superior anode performance for lithium energy storage. <i>Applied Energy</i> , 2016 , 175, 529-535	10.7	51
158	Residue analysis of tetracyclines in milk by HPLC coupled with hollow fiber membranes-based dynamic liquid-liquid micro-extraction. <i>Food Chemistry</i> , 2017 , 232, 198-202	8.5	50
157	Influence of coagulation mechanisms on the residual aluminum—the roles of coagulant species and MW of organic matter. <i>Journal of Hazardous Materials</i> , 2015 , 290, 16-25	12.8	50
156	Highly Efficient Deep-Red Non-Doped Diodes Based on a T-Shape Thermally Activated Delayed Fluorescence Emitter. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19042-19047	16.4	50
155	High-Efficiency Blue Dual-Emissive Exciplex Boosts Full-Radiative White Electroluminescence. <i>Advanced Optical Materials</i> , 2018 , 6, 1800437	8.1	46
154	High-efficiency blue thermally activated delayed fluorescence from donor-acceptor-donor systems the through-space conjugation effect. <i>Chemical Science</i> , 2019 , 10, 5556-5567	9.4	44
153	A unique white electroluminescent one-dimensional europium(III) coordination polymer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1893-1903	7.1	44
152	Monochromic Red-Emitting Nonconjugated Copolymers Containing Double-Carrier-Trapping Phosphine Oxide Eu ³⁺ Segments: Toward Bright and Efficient Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15627-15638	3.8	43
151	Spatial exciton allocation strategy with reduced energy loss for high-efficiency fluorescent/phosphorescent hybrid white organic light-emitting diodes. <i>Materials Horizons</i> , 2017 , 4, 641-648	14.4	42
150	Hindrance-Functionalized Stacked Polymer Host Materials of the Cardo-Type Carbazole-Bluorene Hybrid for Solution-Processable Blue Electrophosphorescent Devices. <i>Macromolecules</i> , 2011 , 44, 4589-4595	5.5	42
149	Investigation of heavy metals release from sediment with bioturbation/bioirrigation. <i>Chemosphere</i> , 2017 , 184, 235-243	8.4	42
148	Highly efficient sky blue electroluminescence from ligand-activated copper iodide clusters: Overcoming the limitations of cluster light-emitting diodes. <i>Science Advances</i> , 2019 , 5, eaav9857	14.3	41
147	Constructing Low-Triplet-Energy Hosts for Highly Efficient Blue PHOLEDs: Controlling Charge and Exciton Capture in Doping Systems. <i>Chemistry of Materials</i> , 2013 , 25, 4966-4976	9.6	41

146	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
145	Charge-Transfer Exciton Manipulation Based on Hydrogen Bond for Efficient White Thermally Activated Delayed Fluorescence. <i>Advanced Functional Materials</i> , 2020 , 30, 1908568	15.6	40
144	Fluorene-based phosphine oxide host materials for blue electrophosphorescence: an effective strategy for a high triplet energy level. <i>Chemistry - A European Journal</i> , 2011 , 17, 2592-6	4.8	39
143	Novel synthesis of cyano-functionalized mesoporous silica nanospheres (MSN) from coal fly ash for removal of toxic metals from wastewater. <i>Journal of Hazardous Materials</i> , 2018 , 345, 76-86	12.8	37
142	Allochroic thermally activated delayed fluorescence diodes through field-induced solvatochromic effect. <i>Science Advances</i> , 2017 , 3, e1700904	14.3	37
141	The influence of particle size and concentration combined with pH on coagulation mechanisms. <i>Journal of Environmental Sciences</i> , 2019 , 82, 39-46	6.4	36
140	Phosphine oxide-jointed electron transporters for the reduction of interfacial quenching in highly efficient blue PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5430-5439	7.1	36
139	Convergent modulation of singlet and triplet excited states of phosphine-oxide hosts through the management of molecular structure and functional-group linkages for low-voltage-driven electrophosphorescence. <i>Chemistry - A European Journal</i> , 2013 , 19, 141-54	4.8	36
138	N,N'-bis(salicylidene)propane-1,2-diamine lanthanide(III) coordination polymers: Synthesis, crystal structure and luminescence properties. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 381-388	3.3	35
137	Tin Oxide/Graphene Aerogel Nanocomposites Building Superior Rate Capability for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015 , 176, 610-619	6.7	34
136	Suppressing triplet state extension for highly efficient ambipolar phosphine oxide host materials in blue PHOLEDs. <i>Chemical Communications</i> , 2014 , 50, 2670-2	5.8	34
135	An effective strategy for small molecular solution-processable iridium(III) complexes with ambipolar characteristics: towards efficient electrophosphorescence and reduced efficiency roll-off. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15405		34
134	Controlling optoelectronic properties of carbazole-phosphine oxide hosts by short-axis substitution for low-voltage-driving PHOLEDs. <i>Chemical Communications</i> , 2013 , 49, 2822-4	5.8	33
133	A red thermally activated delayed fluorescence emitter employing dipyrrophenazine with a gradient multi-inductive effect to improve radiation efficiency. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7525-7530	7.1	32
132	Molecular Configuration Fixation with C-H...F Hydrogen Bonding for Thermally Activated Delayed Fluorescence Acceleration. <i>CheM</i> , 2020 , 6, 1998-2008	16.2	32
131	A Bi-Locked Phosphine Oxide Host with Suppressed Structural Relaxation for Highly Efficient Deep-Blue TADF Diodes. <i>Advanced Optical Materials</i> , 2016 , 4, 522-528	8.1	32
130	Relationship between heavy metals and dissolved organic matter released from sediment by bioturbation/bioirrigation. <i>Journal of Environmental Sciences</i> , 2019 , 75, 216-223	6.4	32
129	Spirobicyclic host material with pseudo-intramolecular charge transfer: Improving color purity of high-performance pure-blue and white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2019 , 374, 471-478	14.7	31

128	N,N'-Bis(3-methoxysalicylidene)propane-1,2-diamine mononuclear 4f and heterodinuclear Cu-4f complexes: Synthesis, crystal structure and electrochemical properties. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1761-1766	2.7	31
127	Photophysical and electroluminescent properties of a Series of Monochromatic red-emitting europium-complexed nonconjugated copolymers based on diphenylphosphine oxide modified polyvinylcarbazole. <i>Polymer</i> , 2011 , 52, 804-813	3.9	31
126	Comparison of the electrochemical and luminescence properties of two carbazole-based phosphine oxide Eu(III) complexes: effect of different bipolar ligand structures. <i>ChemPhysChem</i> , 2008 , 9, 1752-60	3.2	31
125	A comprehensive insight into the effects of microwave-HO pretreatment on concentrated sewage sludge anaerobic digestion based on semi-continuous operation. <i>Bioresource Technology</i> , 2018 , 256, 118-127	11.27	29
124	Elevating the triplet energy levels of dibenzofuran-based ambipolar phosphine oxide hosts for ultralow-voltage-driven efficient blue electrophosphorescence: from D-A to D-EA systems. <i>Chemistry - A European Journal</i> , 2013 , 19, 1385-96	4.8	29
123	Optimizing Charge Transfer and Out-Coupling of A Quasi-Planar Deep-Red TADF Emitter: towards Rec.2020 Gamut and External Quantum Efficiency beyond 30 . <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14846-14851	16.4	29
122	Dibenzothiophene Sulfone-Based Phosphine Oxide Electron Transporters with Unique Asymmetry for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27383-27393	9.5	29
121	A bulky pyridinylfluorene-functionalizing approach to synthesize diarylfluorene-based bipolar host materials for efficient red, green, blue and white electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3482	7.1	27
120	Simply Structured Near-Infrared Emitters with a Multicyano Linear Acceptor for Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019 , 25, 1010-1017	4.8	27
119	Self-resistance to an antitumor antibiotic: a DNA glycosylase triggers the base-excision repair system in yatakemycin biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10532-6	16.4	26
118	Photo-triggered gadofullerene: enhanced cancer therapy by combining tumor vascular disruption and stimulation of anti-tumor immune responses. <i>Biomaterials</i> , 2019 , 213, 119218	15.6	25
117	Solution-processible brilliantly luminescent Eu(III) complexes with host-featured phosphine oxide ligands for monochromic red-light-emitting diodes. <i>Chemistry - A European Journal</i> , 2014 , 20, 11137-48	4.8	25
116	Modulating the optoelectronic properties of large, conjugated, high-energy gap, quaternary phosphine oxide hosts: impact of the triplet-excited-state location. <i>Chemistry - A European Journal</i> , 2013 , 19, 9549-61	4.8	25
115	Spatially optimized quaternary phosphine oxide host materials for high-efficiency blue phosphorescence and thermally activated delayed fluorescence organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11385-11396	7.1	24
114	Spectroscopic study of intramolecular energy transfer in a phosphine oxide Eu ³⁺ complex: A stepwise process induced by intermediate energy levels. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 217, 213-218	4.7	23
113	A series of lanthanide(III) complexes constructed from Schiff base and β -diketonate ligands. <i>CrytEngComm</i> , 2014 , 16, 10460-10468	3.3	22
112	Stable hole-transporting molecular glasses based on complicated 9,9-diarylfluorenes (CDAFs). <i>Synthetic Metals</i> , 2009 , 159, 1055-1060	3.6	22
111	Mechanism of fluoride removal by AlCl ₃ and Al: The role of aluminum speciation. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122987	12.8	21

110	Controllably Tuning Excited-State Energy in Ternary Hosts for Ultralow-Voltage-Driven Blue Electrophosphorescence. <i>Angewandte Chemie</i> , 2012 , 124, 10251-10255	3.6	21
109	Enhancing Reverse Intersystem Crossing via Secondary Acceptors: toward Sky-Blue Fluorescent Diodes with 10-Fold Improved External Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4185-4192	9.5	20
108	Electroluminescent materials toward near ultraviolet region. <i>Chemical Society Reviews</i> , 2021 , 50, 8639-8668	9.6	20
107	RF-assisted gadofullerene nanoparticles induces rapid tumor vascular disruption by down-expression of tumor vascular endothelial cadherin. <i>Biomaterials</i> , 2018 , 163, 142-153	15.6	19
106	Selectively Investigating Molecular Configuration Effect on Blue Electrophosphorescent Host Performance through a Series of Hydrocarbon Oligomers. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20559-20570	3.8	19
105	Synthesis, photophysical and electroluminescent properties of a novel bright light-emitting Eu ³⁺ complex based on a fluorene-containing bidentate aryl phosphine oxide. <i>Synthetic Metals</i> , 2010 , 160, 2197-2202	3.6	19
104	A New Insight into the Hydrogen-bonded Liquid Crystals Built from Carboxylic Acids and Pyridyl Moieties. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 373, 119-126	0.5	18
103	Excited-state engineering of universal ambipolar hosts for highly efficient blue phosphorescence and thermally activated delayed fluorescence organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2020 , 382, 122485	14.7	18
102	A ternary phosphine oxide host featuring thermally activated delayed fluorescence for blue PHOLEDs with >20% EQE and extremely low roll-offs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6747-6754	7.1	18
101	Optimizing the Intralayer and Interlayer Compatibility for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. <i>Scientific Reports</i> , 2016 , 6, 19904	4.9	17
100	The influence of the linkage pattern on the optoelectronic properties of polysilafluorenes: a theoretical study. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 242-8	3.4	17
99	Highly Efficient Photoreduction of Low-Concentration CO to Syngas by Using a Polyoxometalates/Ru Composite. <i>Chemistry - A European Journal</i> , 2020 , 26, 2735-2740	4.8	17
98	Ternary donor-acceptor phosphine oxide hosts with peculiar high energy gap for efficient blue electroluminescence. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9469-9478	7.1	16
97	Bright electroluminescence from a chelate phosphine oxide Eu(III) complex with high thermal performance. <i>Thin Solid Films</i> , 2008 , 516, 8487-8492	2.2	16
96	Dual Encapsulation of Electron Transporting Materials To Simplify High-Efficiency Blue Thermally Activated Delayed Fluorescence Devices. <i>Chemistry of Materials</i> , 2016 , 28, 7145-7157	9.6	16
95	3D-Encapsulated iridium-complexed nanophosphors for highly efficient host-free organic light-emitting diodes. <i>Chemical Communications</i> , 2016 , 52, 5183-6	5.8	15
94	A solution-processable triphenylamine-fluorene host for exciplex based white phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9754-9759	7.1	15
93	Host engineering based on multiple phosphorylation for efficient blue and white TADF organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2021 , 405, 126986	14.7	15

92	Simple phenyl bridge between cyano and pyridine units to weaken the electron-withdrawing property for blue-shifted emission in efficient blue TADF OLEDs. <i>Organic Electronics</i> , 2018 , 57, 247-254	3.5	14
91	Rationally investigating the influence of T1 location on electroluminescence performance of aryl amine modified phosphine oxide materials. <i>Chemistry - A European Journal</i> , 2014 , 20, 16350-9	4.8	14
90	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. <i>Nature Photonics</i> , 2021 , 15, 732-737	33.9	14
89	Relative importance of hydrolyzed Al species (Ala, Alb, Alc) on residual Al and effects of nano-particles (Fe-surface modified TiO ₂ and Al ₂ O ₃) on coagulation process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 446, 139-150	5.1	13
88	Influence of bidentate structure of an aryl phosphine oxide ligand on photophysical properties of its Eu(III) complex. <i>Journal of Rare Earths</i> , 2010 , 28, 666-670	3.7	13
87	Manipulating Complementarity of Binary White Thermally Activated Delayed Fluorescence Systems for 100% Exciton Harvesting in OLEDs. <i>Advanced Functional Materials</i> , 2021 , 31, 2011169	15.6	13
86	Ambipolar Self-Host Functionalization Accelerates Blue Multi-Resonance Thermally Activated Delayed Fluorescence with Internal Quantum Efficiency of 100%. <i>Advanced Materials</i> , 2022 , e2110547	24	13
85	Symmetrical spirobi[xanthene] based locally asymmetrical phosphine oxide host for low-voltage-driven highly efficient white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2020 , 392, 124870	14.7	12
84	Determination of Binding Constants for Basic Drugs with Serum Albumin by Affinity Capillary Electrophoresis with the Partial Filling Technique. <i>Chromatographia</i> , 2005 , 61, 419-422	2.1	12
83	Highly Efficient Deep-Red Non-Doped Diodes Based on a T-Shape Thermally Activated Delayed Fluorescence Emitter. <i>Angewandte Chemie</i> , 2020 , 132, 19204-19209	3.6	12
82	Ladder-like energy-relaying exciplex enables 100% internal quantum efficiency of white TADF-based diodes in a single emissive layer. <i>Nature Communications</i> , 2021 , 12, 3640	17.4	12
81	Photon upconversion through triplet exciton-mediated energy relay. <i>Nature Communications</i> , 2021 , 12, 3704	17.4	12
80	Carbazole-encapped Spiro[fluorene-9,9'-xanthene] with Large Steric Hindrance as Hole-transporting Host for Heavily-doped and High Performance OLEDs. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 955-960	4.9	11
79	Recent progress of phosphine electroluminescent materials and devices. <i>Chinese Science Bulletin</i> , 2019 , 64, 663-681	2.9	11
78	High-Power-Efficiency White Thermally Activated Delayed Fluorescence Diodes Based on Selectively Optimized Intermolecular Interactions. <i>Advanced Functional Materials</i> , 2020 , 30, 2005165	15.6	11
77	Copper cyanide polymers with controllable dimensions modulated by rigid and flexible bis-(imidazole) ligands: synthesis, crystal structure and fluorescence properties. <i>CrystEngComm</i> , 2019 , 21, 1242-1249	3.3	10
76	Study on the effects of organic matter characteristics on the residual aluminum and flocs in coagulation processes. <i>Journal of Environmental Sciences</i> , 2018 , 63, 307-317	6.4	10
75	Modeling particle-size distribution dynamics in a shear-induced breakage process with an improved breakage kernel: Importance of the internal bonds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 468, 87-94	5.1	10

74	Highly improved electroluminescence from double-layer devices based on a carbazole-functionalized europium ³⁺ complex. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 595-600	2.6	10
73	Influence of particle size on the aggregation behavior of nanoparticles: Role of structural hydration layer. <i>Journal of Environmental Sciences</i> , 2021 , 103, 33-42	6.4	10
72	Dynamically Adaptive Characteristics of Resonance Variation for Selectively Enhancing Electrical Performance of Organic Semiconductors. <i>Angewandte Chemie</i> , 2013 , 125, 10685-10689	3.6	9
71	Recent progress in functionalized electrophosphorescent iridium(III) complexes. <i>Chinese Chemical Letters</i> , 2016 , 27, 1193-1200	8.1	9
70	Linkage engineering in hosts for dramatic efficiency enhancement of blue phosphorescent organic light-emitting diodes. <i>Optics Express</i> , 2015 , 23, 12887-99	3.3	8
69	Synthesis, Photophysics, and Electroluminescence of Poly(dibenzofluorene)s. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1142-1148	4.8	8
68	Optimizing energy transfer for highly efficient single-emissive-layer white thermally activated delayed fluorescence organic light-emitting diodes. <i>Optics Letters</i> , 2019 , 44, 5727-5730	3	8
67	A facile fluorescent chemosensor based on a water-soluble porphyrin for Mo(6+) in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 167, 122-126	4.4	8
66	Synergetic Subnano Ni- and Mn-Oxo Clusters Anchored by Chitosan Oligomers on 2D g-C ₃ N ₄ Boost Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2021 , 5, 2000472	7.1	8
65	Floc structure and membrane fouling affected by sodium alginate interaction with Al species as model organic pollutants. <i>Journal of Environmental Sciences</i> , 2019 , 82, 1-13	6.4	7
64	Oligofluorene with multiple spiro-connections: its and their use in blue and white OLEDs. <i>New Journal of Chemistry</i> , 2019 , 43, 3788-3792	3.6	7
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