

Hui Xu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3682477/hui-xu-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

199
papers

6,627
citations

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	Benzonitrile-based AIE polymer host with a simple synthesis process for high-efficiency solution-processable green and blue TADF organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 2109-2120	7.1	0
198	2,3-Dicyanopyrazino Phenanthroline Enhanced Charge Transfer for Efficient Near-Infrared Thermally Activated Delayed Fluorescent Diodes. <i>Chemical Engineering Journal</i> , 2022 , 135080	14.7	1
197	Phenothiazine dioxide end-capped spiro[fluorene-9,9'-xanthene] as host for efficient blue TADF OLEDs. <i>Journal of Luminescence</i> , 2022 , 243, 118595	3.8	
196	Molecular investigation on changing behaviors of natural organic matter by coagulation with non-targeting screen using high-resolution mass spectrometry. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127408	12.8	2
195	Achieving host-free near-ultraviolet electroluminescence via electronic state engineering with phosphine oxide. <i>Chemical Engineering Journal</i> , 2022 , 429, 132327	14.7	3
194	Facilitated interfacial charge separation using triphenylamine-zinc porphyrin dyad-sensitized TiO ₂ nanoparticles for photocatalysis. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161795	5.7	2
193	A phosphorated spirobi[thioxanthene] host matrix enables high-efficiency simple white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2022 , 429, 132320	14.7	1
192	Effects and behaviors of <i>Microcystis aeruginosa</i> in defluorination by two Al-based coagulants, AlCl ₃ and Al. <i>Chemosphere</i> , 2022 , 286, 131865	8.4	2
191	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
190	Aggregation, settling characteristics and destabilization mechanisms of nano-particles under different conditions.. <i>Science of the Total Environment</i> , 2022 , 827, 154228	10.2	1
189	Variations in NOM during floc aging: Effect of typical Al-based coagulants and different particle sizes.. <i>Water Research</i> , 2022 , 218, 118486	12.5	0
188	Phosphorus-Containing Organic Semiconductors for Electroluminescence 2022 , 143-199		
187	High-efficiency hyperfluorescent white light-emitting diodes based on high-concentration-doped TADF sensitizer matrices spatial and energy gap effects.. <i>Chemical Science</i> , 2021 , 13, 159-169	9.4	3
186	Enhanced Sediment Denitrification for Nitrogen Removal by Manipulating Water Level in the Lakeshore Zone. <i>Water (Switzerland)</i> , 2021 , 13, 3323	3	1
185	Exciton engineering based on star-shaped blue thermally activated delayed fluorescence emitters for efficient white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15221-15229	7.1	0
184	Weaving host matrices with intermolecular hydrogen bonds for high-efficiency white thermally activated delayed fluorescence. <i>Chemical Science</i> , 2021 , 12, 14519-14530	9.4	2
183	The influence mechanism of HCO ₃ ⁻ fluoride removal by different types of aluminum salts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 615, 126124	5.1	2

182	High-power-efficiency thermally activated delayed fluorescence white organic light-emitting diodes based on asymmetrical host engineering. <i>Nano Energy</i> , 2021 , 83, 105746	17.1	7
181	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
180	Manipulating Charge-Transfer Excitons by Exciplex Matrix: Toward Thermally Activated Delayed Fluorescence Diodes with Power Efficiency beyond 110lm/W. <i>Advanced Functional Materials</i> , 2021 , 31, 2102739	15.6	4
179	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</i> , 2021 , 133, 14972-14977	14.9	2
178	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
177	Photon upconversion through triplet exciton-mediated energy relay. <i>Nature Communications</i> , 2021 , 12, 3704	17.4	12
176	Super rigid tris-spirobifluorenes: Syntheses and properties. <i>Chinese Chemical Letters</i> , 2021 , 32, 397-400	8.1	1
175	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
174	Insights into Synergistic Effect of Acid on Morphological Control of Vanadium Oxide: Toward High Lithium Storage. <i>Advanced Science</i> , 2021 , 8, 2002579	13.6	3
173	Phosphine Oxides Manipulate Aggregation-Induced Delayed Fluorescence for Time-Resolved Bioimaging. <i>Advanced Photonics Research</i> , 2021 , 2, 2000096	1.9	1
172	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
171	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
170	The regulatory effect of triphenylphosphine oxide on perovskites for morphological and radiative improvement. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6399-6403	7.1	0
169	Electroluminescent materials toward near ultraviolet region. <i>Chemical Society Reviews</i> , 2021 , 50, 8639-8668	8.5	20
168	3.3: Invited Paper: White Thermally Activated Delayed Fluorescence Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 24-24	0.5	
167	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
166	Impact of preformed composite coagulants on alleviating colloids and organics-based ultrafiltration membrane fouling: Role of polymer composition and permeate quality. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105264	6.8	3
165	Coagulation removal of phosphorus from a southern China reservoir in different stages of algal blooms: Performance evaluation and AIP matching principle analysis. <i>Science of the Total Environment</i> , 2021 , 782, 146849	10.2	5

164	The coordinated tuning optical, electrical and thermal properties of spiro-configured phenyl acridophosphine oxide and sulfide for host materials. <i>Organic Electronics</i> , 2021 , 95, 106193	3.5	1
163	Organophosphine-Sandwiched Copper Iodide Cluster Enables Charge Trapping. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24894-24900	16.4	2
162	Sulfur atom manipulates geometric isomerism of diphosphinine oxides for efficient delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2021 , 420, 129912	14.7	
161	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. <i>Nature Photonics</i> , 2021 , 15, 732-737	33.9	14
160	Direct evidence of dopant-dopant synergism in efficient single-emissive-layer white thermally activated delayed fluorescence. <i>Nano Energy</i> , 2021 , 89, 106358	17.1	1
159	V-shaped triazine host featuring intramolecular non-covalent interaction for highly efficient white electroluminescent devices. <i>Chemical Engineering Journal</i> , 2021 , 425, 131487	14.7	0
158	A Novel Bridge-Ring Phosphine Oxide Host 5,10-[1,2]Benzenophosphanthrene 5,10-Dioxide for Ultralow-Voltage-Driven Blue Thermally Activated Delayed Fluorescence Diodes. <i>Advanced Optical Materials</i> , 2020 , 8, 2000052	8.1	5
157	Molecular Configuration Fixation with C ₆ H ₆ F Hydrogen Bonding for Thermally Activated Delayed Fluorescence Acceleration. <i>CheM</i> , 2020 , 6, 1998-2008	16.2	32
156	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
155	Asymmetrically phosphorylated carbazole host for highly efficient blue and white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2020 , 401, 126049	14.7	6
154	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
153	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
152	Optical properties of organic neodymium complex doped optical waveguides based on the intramolecular energy transfer effect. <i>Optical Materials Express</i> , 2020 , 10, 2624	2.6	5
151	Two Ni/Co-substituted sandwich-type germanomolybdates based on an unprecedented trivacant polyanion [EGeMoO]. <i>Dalton Transactions</i> , 2020 , 49, 977-982	4.3	5
150	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
149	Bulky 9-phenylfluorene functionalized 2,6-bis(N-carbazolyl)-pyridine with high triplet energy level as host for blue thermally activated delayed fluorescence devices. <i>Dyes and Pigments</i> , 2020 , 175, 108127	4.6	5
148	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
147	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

146	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
145	Pure-organic phosphine oxide luminescent materials. <i>Journal of Information Display</i> , 2020 , 21, 149-172	4.1	3
144	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. <i>Nature</i> , 2020 , 587, 594-599	5.2	57
143	Phosphine Oxide Linkage Manipulating Trinuclear Iridium(III) Complex for High-Efficiency Bilayer Nondoped Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020 , 8, 2001105	8.1	3
142	DFT investigation of hydrogen atom-abstraction reactions of NHC-boranes by various carbon-centered radicals: barriers and correlation analyses.. <i>RSC Advances</i> , 2020 , 10, 34752-34763	3.7	0
141	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
140	Highly efficient nondoped bilayer organic light-emitting diodes based on triphenyl phosphine oxide protected iridium complexes. <i>Applied Physics Letters</i> , 2020 , 117, 071901	3.4	2
139	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
138	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
137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	Simultaneous separation and determination of thallium in water samples by high-performance liquid chromatography with inductively coupled plasma mass spectrometry. <i>Journal of Separation Science</i> , 2019 , 42, 3311-3318	3.4	3

128	Recent progress of phosphine electroluminescent materials and devices. <i>Chinese Science Bulletin</i> , 2019 , 64, 663-681	2.9	11
127	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
126	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
125	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
124	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, 895-895	4.8	
123	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
122	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
121	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
120	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
119	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	29
118	Highly Efficient Solution-Processable Nanophosphor with Ambipolar Shell. <i>Chemistry - A European Journal</i> , 2018 , 24, 2971-2979	4.8	5
117	Real-time monitoring of tumor vascular disruption induced by radiofrequency assisted gadofullerene. <i>Science China Materials</i> , 2018 , 61, 1101-1111	7.1	7
116	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
115	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
114	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
113	High-Efficiency Blue Dual-Emissive Exciplex Boosts Full-Radiative White Electroluminescence. <i>Advanced Optical Materials</i> , 2018 , 6, 1800437	8.1	46
112	Secondary Acceptor Optimization for Full-Exciton Radiation: Toward Sky-Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency of 100%. <i>Advanced Materials</i> , 2018 , 30, e1804228	24	91
111	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

110	Dipole-Dipole Interaction Management for Efficient Blue Thermally Activated Delayed Fluorescence Diodes. <i>Chem</i> , 2018 , 4, 2154-2167	16.2	73
109	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
108	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
107	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
106	Study of Fluorescent Imaging of Se (IV) in Living Cells Using a Turn-on Fluorescent Probe Based on a Rhodamine Spirolactame Derivative. <i>Journal of Fluorescence</i> , 2017 , 27, 611-618	2.4	6
105	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
104	Allochromic thermally activated delayed fluorescence diodes through field-induced solvatochromic effect. <i>Science Advances</i> , 2017 , 3, e1700904	14.3	37
103	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. <i>Chemistry of Materials</i> , 2017 , 29, 6606-6610	9.6	55
102	Investigation of heavy metals release from sediment with bioturbation/bioirrigation. <i>Chemosphere</i> , 2017 , 184, 235-243	8.4	42
101	Physicochemical Properties of Zein-Based Films by Electrophoretic Deposition Using Indium Tin Oxide Electrodes: Vertical and Horizontal Electric Fields. <i>International Journal of Food Properties</i> , 2016 , 19, 945-957	3	4
100	An Improved Pneumatic Nebulization Gas-Solid Microextraction Device Used to Detect Triazine Herbicides in White Spirit. <i>Analytical Sciences</i> , 2016 , 32, 183-8	1.7	
99	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
98	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
97	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
96	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	132
95	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
94	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
93	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

92	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
91	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
90	A Bulky Pyridinylurene/Triphenylamine Hybrid Used as Host Material for Heavily-Doped Blue Electrophosphorescent Devices. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 397-402	4.9	1
89	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
88	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
87	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
86	Cyclization of Tetraaryl-Substituted Benzoquinones and Hydroquinones through the Scholl Reaction. <i>Journal of Organic Chemistry</i> , 2016 , 81, 9219-9226	4.2	7
85	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
84	Recent progress in functionalized electrophosphorescent iridium(III) complexes. <i>Chinese Chemical Letters</i> , 2016 , 27, 1193-1200	8.1	9
83	A unique white electroluminescent one-dimensional europium(III) coordination polymer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1893-1903	7.1	44
82	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
81	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
80	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
79	Tin Oxide/Graphene Aerogel Nanocomposites Building Superior Rate Capability for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015 , 176, 610-619	6.7	34
78	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
77	Electroluminescence from europium(III) complexes. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 228-249	13.9	166
76	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
75	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

74	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
73	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
72	Carbazole-endcapped 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
71	Tuning peripheral group density in ternary phosphine oxide hosts for low-voltage-driven yellow PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6709-6716	7.1	6
70	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
69	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014 , 43, 3259-302	58.5	823
68	Highly efficient multifluorenyl 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
67	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
66	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
65	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
64	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
63	A series of lanthanide(III) complexes constructed from Schiff base and diketonate ligands. <i>CrystEngComm</i> , 2014 , 16, 10460-10468	3.3	22
62	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
61	Water-soluble porphyrin as temperature sensor based on fluorescent enhancement. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 379-382	2.2	6
60	Survey of treatment process in water treatment plant and the characteristics of flocs formed by two new coagulants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 456, 211-221	5.1	6
59	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
58	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. <i>Nano Research</i> , 2014 , 7, 1280-1290	10	59
57	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

56	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
55	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
54	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
53	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
52	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
51	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
50	Recent Progress in Polymer White Light-Emitting Materials and Devices. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 314-342	2.6	79
49	Conjugated Molecules Based on Truxene Cores and Pyrene Substitution: Synthesis and Properties. <i>Journal of Chemical Research</i> , 2013 , 37, 242-247	0.6	3
48	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
47	Xanthene-based phosphine oxide host with the planar multi-insulating structure for efficient electrophosphorescence. <i>Dyes and Pigments</i> , 2012 , 94, 561-569	4.6	5
46	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
45	Highly luminescent bis-diketone lanthanide complexes with triple-stranded dinuclear structure. <i>Dalton Transactions</i> , 2012 , 41, 900-7	4.3	95
44	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
43	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
42	Influence of molecular configuration and functional substituents on excited state energy levels in two naphthyl-based phosphine oxide hosts. <i>Organic Electronics</i> , 2012 , 13, 1516-1525	3.5	3
41	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
40	Self-Resistance to an Antitumor Antibiotic: A DNA Glycosylase Triggers the Base-Excision Repair System in Yatakemycin Biosynthesis. <i>Angewandte Chemie</i> , 2012 , 124, 10684-10688	3.6	
39	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

38	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
37	Hindrance-Functionalized Stacked Polymer Host Materials of the Carbo-Type Carbazole-Fluorene Hybrid for Solution-Processable Blue Electrophosphorescent Devices. <i>Macromolecules</i> , 2011 , 44, 4589-4595	5.5	42
36	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
35	N,N'-Bis(Salicylidene)-1,2-Cyclohexanediamine Lanthanide(III) Coordination Polymers: Syntheses, Crystal Structures, and Luminescence Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 1616-1621	1.3	5
34	Three-Dimensional Heteropolynuclear Zn ₄ Ln ₂ Coordination Frameworks: Structure and NIR Luminescent Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2223-2227	1.3	1
33	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
32	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
31	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
30	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
29	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
28	The first metal-organic framework containing an unprecedented in situ-generated C-substituted hexamethylenetetramine ligand. <i>Dalton Transactions</i> , 2011 , 40, 1224-6	4.3	7
27	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
26	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
25	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
24	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
23	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
22	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
21	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

20	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
19	Chiral pyrrolidine-azole conjugates: Simple and efficient asymmetric organocatalysts for Michael addition to nitrostyrenes. <i>Science Bulletin</i> , 2010 , 55, 1735-1741		2
18	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
17	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
16	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
15	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
14	Stable hole-transporting molecular glasses based on complicated 9,9-diarylflorenes (CDAFs). <i>Synthetic Metals</i> , 2009 , 159, 1055-1060	3.6	22
13	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
12	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
11	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
10	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
9	Magnetic Nanoparticle-Supported Morita-Baylis-Hillman Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2431-2434	5.6	89
8	Synthesis, Photophysics, and Electroluminescence of Poly(dibenzofluorene)s. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1142-1148	4.8	8
7	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
6	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
5	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
4	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
3	Polyorganosiloxane-europium (III) host-guest inclusion system and its energy transfer luminescence. <i>Science in China Series B: Chemistry</i> , 1999 , 42, 351-356		3

- | | | | |
|---|---|-----|---|
| 2 | New synthetic route for weak base anion exchangers based on crosslinked polystyrene. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 2151-2154 | 2.5 | 6 |
| 1 | Phosphine Oxide Additives for High-Brightness Inorganic Perovskite Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2101602 | 8.1 | 3 |