Hui Xu

List of Publications by Year
in descending order

203 papers	8,718 citations	31976 53 h-index	54911 84 g-index
214 all docs	214 docs citations	214 times ranked	7345 citing authors

#	Article	IF	Citations
1	Achieving host-free near-ultraviolet electroluminescence via electronic state engineering with phosphine oxide. Chemical Engineering Journal, 2022, 429, 132327.	12.7	11
2	A phosphorated spirobi[thioxanthene] host matrix enables high-efficiency simple white thermally activated delayed fluorescence diodes. Chemical Engineering Journal, 2022, 429, 132320.	12.7	8
3	Effects and behaviors of Microcystis aeruginosa in defluorination by two Al-based coagulants, AlCl3 and Al13. Chemosphere, 2022, 286, 131865.	8.2	6
4	Molecular investigation on changing behaviors of natural organic matter by coagulation with non-targeting screen using high-resolution mass spectrometry. Journal of Hazardous Materials, 2022, 424, 127408.	12.4	19
5	Phenothiazine dioxide end-capped spiro[fluorene-9,9â€²-xanthene] as host for efficient blue TADF OLEDs. Journal of Luminescence, 2022, 243, 118595.	3.1	1
6	Phosphine Oxide Additives for Highâ€Brightness Inorganic Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, 2101602.	7.3	12
7	Benzonitrile-based AIE polymer host with a simple synthesis process for high-efficiency solution-processable green and blue TADF organic light emitting diodes. Journal of Materials Chemistry C, 2022, 10, 2109-2120.	5.5	10
8	2,3-Dicyanopyrazino phenanthroline enhanced charge transfer for efficient near-infrared thermally activated delayed fluorescent diodes. Chemical Engineering Journal, 2022, 436, 135080.	12.7	23
9	Ambipolar Selfâ€Host Functionalization Accelerates Blue Multiâ€Resonance Thermally Activated Delayed Fluorescence with Internal Quantum Efficiency of 100%. Advanced Materials, 2022, 34, e2110547.	21.0	85
10	Overcoming Efficiency Limitation of Cluster Light-Emitting Diodes with Asymmetrically Functionalized Biphosphine Cu₄I₄ Cubes. Journal of the American Chemical Society, 2022, 144, 6551-6557.	13.7	35
11	Ultrafine and Highly Dispersed PtRu Alloy on Polyacrylic Acid-Grafted Carbon Nanotube@Tin Oxide Core/Shell Composites for Direct Methanol Fuel Cells. ACS Applied Energy Materials, 2022, 5, 4179-4190.	5.1	10
12	Aggregation, settling characteristics and destabilization mechanisms of nano-particles under different conditions. Science of the Total Environment, 2022, 827, 154228.	8.0	7
13	Variations in NOM during floc aging: Effect of typical Al-based coagulants and different particle sizes. Water Research, 2022, 218, 118486.	11.3	18
14	Phosphorus-Containing Organic Semiconductors for Electroluminescence. , 2022, , 143-199.		0
15	Improved Photocatalytic Activities of g-C₃N₄ Nanosheets by B Doping and Ru-Oxo Cluster Modification for CO₂ Conversion. Journal of Physical Chemistry C, 2022, 126, 9704-9712.	3.1	6
16	Synergetic Insulation and Induction Effects Selectively Optimize Multiresonance Thermally Activated Delayed Fluorescence. Research, 2022, 2022, .	5.7	4
17	Super rigid tris-spirobifluorenes: Syntheses and properties. Chinese Chemical Letters, 2021, 32, 397-400.	9.0	3
18	Host engineering based on multiple phosphorylation for efficient blue and white TADF organic light-emitting diodes. Chemical Engineering Journal, 2021, 405, 126986.	12.7	23

#	Article	IF	Citations
19	Insights into Synergistic Effect of Acid on Morphological Control of Vanadium Oxide: Toward High Lithium Storage. Advanced Science, 2021, 8, 2002579.	11.2	7
20	Phosphine Oxides Manipulate Aggregationâ€Induced Delayed Fluorescence for Timeâ€Resolved Bioimaging. Advanced Photonics Research, 2021, 2, 2000096.	3.6	3
21	Influence of particle size on the aggregation behavior of nanoparticles: Role of structural hydration layer. Journal of Environmental Sciences, 2021, 103, 33-42.	6.1	34
22	Synergetic Subnano Niâ€•and Mnâ€Oxo Clusters Anchored by Chitosan Oligomers on 2D gâ€ 3 N 4 Boost Photocatalytic CO 2 Reduction. Solar Rrl, 2021, 5, 2000472.	5.8	20
23	Research progress of near infrared organic small-molecule electroluminescent materials. Chinese Journal of Liquid Crystals and Displays, 2021, 36, 62-77.	0.3	2
24	The regulatory effect of triphenylphosphine oxide on perovskites for morphological and radiative improvement. Journal of Materials Chemistry C, 2021, 9, 6399-6403.	5.5	2
25	Electroluminescent materials toward near ultraviolet region. Chemical Society Reviews, 2021, 50, 8639-8668.	38.1	63
26	3.3: Invited Paper: White Thermally Activated Delayed Fluorescence Diodes. Digest of Technical Papers SID International Symposium, 2021, 52, 24-24.	0.3	0
27	Manipulating Complementarity of Binary White Thermally Activated Delayed Fluorescence Systems for 100% Exciton Harvesting in OLEDs. Advanced Functional Materials, 2021, 31, 2011169.	14.9	25
28	The influence mechanism of HCO3â˜ on fluoride removal by different types of aluminum salts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126124.	4.7	9
29	High-power-efficiency thermally activated delayed fluorescence white organic light-emitting diodes based on asymmetrical host engineering. Nano Energy, 2021, 83, 105746.	16.0	12
30	Optimizing Charge Transfer and Outâ€Coupling of A Quasiâ€Planar Deepâ€Red TADF Emitter: towards Rec.2020 Gamut and External Quantum Efficiency beyond 30â€‰%. Angewandte Chemie - International Edition, 2021, 60, 14846-14851.	13.8	110
31	Manipulating Chargeâ€Transfer Excitons by Exciplex Matrix: Toward Thermally Activated Delayed Fluorescence Diodes with Power Efficiency beyond 110ÂlmÂW^{â˜1}. Advanced Functional Materials, 2021, 31, 2102739.	14.9	13
32	Optimizing Charge Transfer and Outâ€Coupling of A Quasiâ€Planar Deepâ€Red TADF Emitter: towards Rec.2020 Gamut and External Quantum Efficiency beyond 30â€‰%. Angewandte Chemie, 2021, 133, 14972-14977.	2.0	6
33	Ladder-like energy-relaying exciplex enables 100% internal quantum efficiency of white TADF-based diodes in a single emissive layer. Nature Communications, 2021, 12, 3640.	12.8	46
34	Photon upconversion through triplet exciton-mediated energy relay. Nature Communications, 2021, 12, 3704.	12.8	38
35	Impact of preformed composite coagulants on alleviating colloids and organics-based ultrafiltration membrane fouling: Role of polymer composition and permeate quality. Journal of Environmental Chemical Engineering, 2021, 9, 105264.	6.7	8
36	Coagulation removal of phosphorus from a southern China reservoir in different stages of algal blooms: Performance evaluation and Al P matching principle analysis. Science of the Total Environment, 2021, 782, 146849.	8.0	15

#	Article	IF	Citations
37	The coordinated tunning optical, electrical and thermal properties of spiro-configured phenyl acridophopsphine oxide and sulfide for host materials. Organic Electronics, 2021, 95, 106193.	2.6	4
38	Organophosphineâ€Sandwiched Copper Iodide Cluster Enables Charge Trapping. Angewandte Chemie - International Edition, 2021, 60, 24894-24900.	13.8	17
39	Sulfur atom manipulates geometric isomerism of diphosphinine oxides for efficient delayed fluorescence diodes. Chemical Engineering Journal, 2021, 420, 129912.	12.7	1
40	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. Nature Photonics, 2021, 15, 732-737.	31.4	77
41	Direct evidence of dopant-dopant synergism in efficient single-emissive-layer white thermally activated delayed fluorescence. Nano Energy, 2021, 89, 106358.	16.0	7
42	V-shaped triazine host featuring intramolecular non-covalent interaction for highly efficient white electroluminescent devices. Chemical Engineering Journal, 2021, 425, 131487.	12.7	10
43	Facilitated interfacial charge separation using triphenylamine-zinc porphyrin dyad-sensitized TiO2 nanoparticles for photocatalysis. Journal of Alloys and Compounds, 2021, 889, 161795.	5.5	11
44	Exciton engineering based on star-shaped blue thermally activated delayed fluorescence emitters for efficient white organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 15221-15229.	5.5	3
45	Weaving host matrices with intermolecular hydrogen bonds for high-efficiency white thermally activated delayed fluorescence. Chemical Science, 2021, 12, 14519-14530.	7.4	8
46	Enhanced Sediment Denitrification for Nitrogen Removal by Manipulating Water Level in the Lakeshore Zone. Water (Switzerland), 2021, 13, 3323.	2.7	3
47	High-efficiency hyperfluorescent white light-emitting diodes based on high-concentration-doped TADF sensitizer matrices via spatial and energy gap effects. Chemical Science, 2021, 13, 159-169.	7.4	16
48	Excited-state engineering of universal ambipolar hosts for highly efficient blue phosphorescence and thermally activated delayed fluorescence organic light-emitting diodes. Chemical Engineering Journal, 2020, 382, 122485.	12.7	23
49	Two Ni/Co-substituted sandwich-type germanomolybdates based on an unprecedented trivacant polyanion [Î±-GeMo₁₀O₃₆]^{8â^'}. Dalton Transactions, 2020, 49, 977-982.	3.3	9
50	Chargeâ€Transfer Exciton Manipulation Based on Hydrogen Bond for Efficient White Thermally Activated Delayed Fluorescence. Advanced Functional Materials, 2020, 30, 1908568.	14.9	63
51	Bulky 9-phenylfluorene fuctionalized 2,6-bis(N-carbazolyl)- pyridine with high triplet energy level as host for blue thermally activated delayed fluorescence devices. Dyes and Pigments, 2020, 175, 108127.	3.7	6
52	Highly Efficient Photoreduction of Lowâ€Concentration CO₂to Syngas by Using a Polyoxometalates/Ru^{II}Composite. Chemistry - A European Journal, 2020, 26, 2735-2740.	3.3	38
53	Highly Efficient Deepâ€Red Nonâ€Doped Diodes Based on a Tâ€Shape Thermally Activated Delayed Fluorescence Emitter. Angewandte Chemie, 2020, 132, 19204-19209.	2.0	16
54	Highly Efficient Deepâ€Red Nonâ€Doped Diodes Based on a Tâ€Shape Thermally Activated Delayed Fluorescence Emitter. Angewandte Chemie - International Edition, 2020, 59, 19042-19047.	13.8	108

#	Article	IF	Citations
55	Pure-organic phosphine oxide luminescent materials. Journal of Information Display, 2020, 21, 149-172.	4.0	8
56	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. Nature, 2020, 587, 594-599.	27.8	135
57	Phosphine Oxide Linkage Manipulating Trinuclear Iridium(III) Complex for Highâ€Efficiency Bilayer Nondoped Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2020, 8, 2001105.	7.3	7
58	DFT investigation of hydrogen atom-abstraction reactions of NHC-boranes by various carbon-centered radicals: barriers and correlation analyses. RSC Advances, 2020, 10, 34752-34763.	3.6	2
59	Highâ€Powerâ€Efficiency White Thermally Activated Delayed Fluorescence Diodes Based on Selectively Optimized Intermolecular Interactions. Advanced Functional Materials, 2020, 30, 2005165.	14.9	19
60	Highly efficient nondoped bilayer organic light-emitting diodes based on triphenyl phosphine oxide protected iridium complexes. Applied Physics Letters, 2020, 117, .	3.3	3
61	DFT Investigation of Hydrogen Atom Abstraction from NHC-Boranes by Methyl, Ethyl and Cyanomethyl Radicalsâ€”Composition and Correlation Analysis of Kinetic Barriers. Molecules, 2020, 25, 4509.	3.8	2
62	A Novel Bridgeâ€Ring Phosphine Oxide Host 5,10â€[1,2]Benzenophosphanthrene 5,10â€Dioxide for Ultralowâ€Voltageâ€Driven Blue Thermally Activated Delayed Fluorescence Diodes. Advanced Optical Materials, 2020, 8, 2000052.	7.3	10
63	Molecular Configuration Fixation with Câ€“HÂ·Â·Â·F Hydrogen Bonding for Thermally Activated Delayed Fluorescence Acceleration. CheM, 2020, 6, 1998-2008.	11.7	58
64	Mechanism of fluoride removal by AlCl3 and Al13: The role of aluminum speciation. Journal of Hazardous Materials, 2020, 398, 122987.	12.4	48
65	Asymmetrically phosphorylated carbazole host for highly efficient blue and white thermally activated delayed fluorescence diodes. Chemical Engineering Journal, 2020, 401, 126049.	12.7	14
66	Highly Efficient and Colorâ€Stable Thermally Activated Delayed Fluorescence White Lightâ€Emitting Diodes Featured with Singleâ€Doped Single Emissive Layers. Advanced Materials, 2020, 32, e1906950.	21.0	104
67	Symmetrical spirobi[xanthene] based locally asymmetrical phosphine oxide host for low-voltage-driven highly efficient white thermally activated delayed fluorescence diodes. Chemical Engineering Journal, 2020, 392, 124870.	12.7	17
68	Optical properties of organic neodymium complex doped optical waveguides based on the intramolecular energy transfer effect. Optical Materials Express, 2020, 10, 2624.	3.0	7
69	Simultaneous separation and determination of thallium in water samples by highâ€performance liquid chromatography with inductively coupled plasma mass spectrometry. Journal of Separation Science, 2019, 42, 3311-3318.	2.5	5
70	Copper cyanide polymers with controllable dimensions modulated by rigid and flexible bis-(imidazole) ligands: synthesis, crystal structure and fluorescence properties. CrystEngComm, 2019, 21, 1242-1249.	2.6	17
71	A red thermally activated delayed fluorescence emitter employing dipyridophenazine with a gradient multi-inductive effect to improve radiation efficiency. Journal of Materials Chemistry C, 2019, 7, 7525-7530.	5.5	54
72	Highly efficient sky blue electroluminescence from ligand-activated copper iodide clusters: Overcoming the limitations of cluster light-emitting diodes. Science Advances, 2019, 5, eaav9857.	10.3	81

#	Article	IF	Citations
73	Spirobicyclic host material with pseudo-intramolecular charge transfer: Improving color purity of high-performance pure-blue and white thermally activated delayed fluorescence diodes. Chemical Engineering Journal, 2019, 374, 471-478.	12.7	42
74	Photo-triggered gadofullerene: enhanced cancer therapy by combining tumor vascular disruption and stimulation of anti-tumor immune responses. Biomaterials, 2019, 213, 119218.	11.4	37
75	High-efficiency blue thermally activated delayed fluorescence from donorâ€“acceptorâ€“donor systems via the through-space conjugation effect. Chemical Science, 2019, 10, 5556-5567.	7.4	59
76	The influence of particle size and concentration combined with pH on coagulation mechanisms. Journal of Environmental Sciences, 2019, 82, 39-46.	6.1	70
77	Floc structure and membrane fouling affected by sodium alginate interaction with Al species as model organic pollutants. Journal of Environmental Sciences, 2019, 82, 1-13.	6.1	12
78	Oligofluorene with multiple spiro-connections: its and their use in blue and white OLEDs. New Journal of Chemistry, 2019, 43, 3788-3792.	2.8	9
79	Simply Structured Nearâ€Infrared Emitters with a Multicyano Linear Acceptor for Solutionâ€Processed Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2019, 25, 1010-1017.	3.3	36
80	Enhancing Reverse Intersystem Crossing via Secondary Acceptors: toward Sky-Blue Fluorescent Diodes with 10-Fold Improved External Quantum Efficiency. ACS Applied Materials & Interfaces, 2019, 11, 4185-4192.	8.0	23
81	Simply Structured Near-Infrared Emitters with a Multicyano Linear Acceptor for Solution-Processed Organic Light-Emitting Diodes. Chemistry - A European Journal, 2019, 25, 895-895.	3.3	0
82	Relationship between heavy metals and dissolved organic matter released from sediment by bioturbation/bioirrigation. Journal of Environmental Sciences, 2019, 75, 216-223.	6.1	52
83	Recent progress of phosphine electroluminescent materials and devices. Chinese Science Bulletin, 2019, 64, 663-681.	0.7	14
84	Optimizing energy transfer for highly efficient single-emissive-layer white thermally activated delayed fluorescence organic light-emitting diodes. Optics Letters, 2019, 44, 5727.	3.3	11
85	Blue Thermally Activated Delayed Fluorescenceâ€Emitting Phosphine Oxide Hosts for Ultrasimple and Highly Efficient White Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2018, 6, 1800020.	7.3	67
86	Integrating the Emitter and Host Characteristics of Donorâ€“Acceptor Systems through Edgeâ€Spiro Effect Toward 100% Exciton Harvesting in Blue and White Fluorescence Diodes. Advanced Optical Materials, 2018, 6, 1800165.	7.3	62
87	RF-assisted gadofullerene nanoparticles induces rapid tumor vascular disruption by down-expression of tumor vascular endothelial cadherin. Biomaterials, 2018, 163, 142-153.	11.4	28
88	A comprehensive insight into the effects of microwave-H2O2 pretreatment on concentrated sewage sludge anaerobic digestion based on semi-continuous operation. Bioresource Technology, 2018, 256, 118-127.	9.6	39
89	Highly Efficient Solutionâ€Processable Nanophosphor with Ambipolar Shell. Chemistry - A European Journal, 2018, 24, 2971-2979.	3.3	5
90	Real-time monitoring of tumor vascular disruption induced by radiofrequency assisted gadofullerene. Science China Materials, 2018, 61, 1101-1111.	6.3	11

#	Article	IF	Citations
91	Simple phenyl bridge between cyano and pyridine units to weaken the electron-withdrawing property for blue-shifted emission in efficient blue TADF OLEDs. Organic Electronics, 2018, 57, 247-254.	2.6	17
92	Study on the effects of organic matter characteristics on the residual aluminum and flocs in coagulation processes. Journal of Environmental Sciences, 2018, 63, 307-317.	6.1	16
93	Novel synthesis of cyano-functionalized mesoporous silica nanospheres (MSN) from coal fly ash for removal of toxic metals from wastewater. Journal of Hazardous Materials, 2018, 345, 76-86.	12.4	56
94	Secondary Acceptor Optimization for Fullâ€Exciton Radiation: Toward Skyâ€Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency of â‰ˆ30%. Advanced Materials, 2018, 30, e1804228.	21.0	122
95	A ternary phosphine oxide host featuring thermally activated delayed fluorescence for blue PHOLEDs with >20% EQE and extremely low roll-offs. Journal of Materials Chemistry C, 2018, 6, 6747-6754.	5.5	22
96	Dipole-Dipole Interaction Management for Efficient Blue Thermally Activated Delayed Fluorescence Diodes. CheM, 2018, 4, 2154-2167.	11.7	106
97	Highâ€Efficiency Blue Dualâ€Emissive Exciplex Boosts Fullâ€Radiative White Electroluminescence. Advanced Optical Materials, 2018, 6, 1800437.	7.3	53
98	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. Journal of Environmental Sciences, 2017, 54, 1-12.	6.1	104
99	Residue analysis of tetracyclines in milk by HPLC coupled with hollow fiber membranes-based dynamic liquid-liquid micro-extraction. Food Chemistry, 2017, 232, 198-202.	8.2	77
100	Spatial exciton allocation strategy with reduced energy loss for high-efficiency fluorescent/phosphorescent hybrid white organic light-emitting diodes. Materials Horizons, 2017, 4, 641-648.	12.2	48
101	Study of Fluorescent Imaging of Se (IV) in Living Cells Using a Turn-on Fluorescent Probe Based on a Rhodamine Spirolactame Derivative. Journal of Fluorescence, 2017, 27, 611-618.	2.5	6
102	A Phosphanthrene Oxide Host with Close Sphere Packing for Ultralowâ€Voltageâ€Driven Efficient Blue Thermally Activated Delayed Fluorescence Diodes. Advanced Materials, 2017, 29, 1700553.	21.0	79
103	Allochroic thermally activated delayed fluorescence diodes through field-induced solvatochromic effect. Science Advances, 2017, 3, e1700904.	10.3	51
104	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. Chemistry of Materials, 2017, 29, 6606-6610.	6.7	91
105	Investigation of heavy metals release from sediment with bioturbation/bioirrigation. Chemosphere, 2017, 184, 235-243.	8.2	55
106	A Significantly Twisted Spirocyclic Phosphine Oxide as a Universal Host for High-Efficiency Full-Color Thermally Activated Delayed Fluorescence Diodes. Advanced Materials, 2016, 28, 3122-3130.	21.0	204
107	Balanced Dual Emissions from Tridentate Phosphineâ€Coordinate Copper(I) Complexes toward Highly Efficient Yellow OLEDs. Advanced Materials, 2016, 28, 5975-5979.	21.0	94
108	A Bulky Pyridinyl?uorene/Triphenylamine Hybrid Used as Host Material for Heavilyâ€Doped Blue Electrophosphorescent Devices. Chinese Journal of Chemistry, 2016, 34, 397-402.	4.9	1

#	Article	IF	Citations
109	A â€œSiâ€Lockedâ€•Phosphine Oxide Host with Suppressed Structural Relaxation for Highly Efficient Deepâ€Blue TADF Diodes. Advanced Optical Materials, 2016, 4, 522-528.	7.3	38
110	A facile fluorescent chemosensor based on a water-soluble porphyrin for Mo 6+ in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 167, 122-126.	3.9	8
111	Dibenzothiophene Sulfone-Based Phosphine Oxide Electron Transporters with Unique Asymmetry for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. ACS Applied Materials & Interfaces, 2016, 8, 27383-27393.	8.0	35
112	Cyclization of Tetraaryl-Substituted Benzoquinones and Hydroquinones through the Scholl Reaction. Journal of Organic Chemistry, 2016, 81, 9219-9226.	3.2	7
113	Dual Encapsulation of Electron Transporting Materials To Simplify High-Efficiency Blue Thermally Activated Delayed Fluorescence Devices. Chemistry of Materials, 2016, 28, 7145-7157.	6.7	17
114	Recent progress in functionalized electrophosphorescent iridium(III) complexes. Chinese Chemical Letters, 2016, 27, 1193-1200.	9.0	11
115	An Improved Pneumatic Nebulization Gas-Solid Microextraction Device Used to Detect Triazine Herbicides in White Spirit. Analytical Sciences, 2016, 32, 183-187.	1.6	1
116	Multi-dipolar Chromophores Featuring Phosphine Oxide as Joint Acceptor: A New Strategy toward High-Efficiency Blue Thermally Activated Delayed Fluorescence Dyes. Chemistry of Materials, 2016, 28, 5667-5679.	6.7	131
117	Achieving Optimal Self-Adaptivity for Dynamic Tuning of Organic Semiconductors through Resonance Engineering. Journal of the American Chemical Society, 2016, 138, 9655-9662.	13.7	71
118	Optimizing the Intralayer and Interlayer Compatibility for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. Scientific Reports, 2016, 6, 19904.	3.3	18
119	Multiphosphineâ€Oxide Hosts for Ultralowâ€Voltageâ€Driven Trueâ€Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency beyond 20%. Advanced Materials, 2016, 28, 479-485.	21.0	151
120	Extremely condensing triplet states of DPEPO-type hosts through constitutional isomerization for high-efficiency deep-blue thermally activated delayed fluorescence diodes. Chemical Science, 2016, 7, 2870-2882.	7.4	92
121	3D-Encapsulated iridium-complexed nanophosphors for highly efficient host-free organic light-emitting diodes. Chemical Communications, 2016, 52, 5183-5186.	4.1	17
122	Amorphous SnO2/graphene aerogel nanocomposites harvesting superior anode performance for lithium energy storage. Applied Energy, 2016, 175, 529-535.	10.1	60
123	Physicochemical Properties of Zein-Based Films by Electrophoretic Deposition Using Indium Tin Oxide Electrodes: Vertical and Horizontal Electric Fields. International Journal of Food Properties, 2016, 19, 945-957.	3.0	6
124	A Novel Molecule Based on 2, 2'-Dipyridylamine Functionalized 9, 9-Diarylfluorene with Steric Hindance: Design, Synthesis and Electro-Optical Property Research. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 1971-1976.	4.9	2
125	Carbazoleâ€endcapped Spiro[fluoreneâ€9,9â€²â€xanthene] with Large Steric Hindrance as Holeâ€transporting Host for Heavilyâ€doped and High Performance OLEDs. Chinese Journal of Chemistry, 2015, 33, 955-960.	4.9	12
126	Tuning peripheral group density in ternary phosphine oxide hosts for low-voltage-driven yellow PhOLEDs. Journal of Materials Chemistry C, 2015, 3, 6709-6716.	5.5	8

#	Article	IF	Citations
127	Modeling particle-size distribution dynamics in a shear-induced breakage process with an improved breakage kernel: Importance of the internal bonds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 87-94.	4.7	10
128	A unique white electroluminescent one-dimensional europium(<scp>iii</scp>) coordination polymer. Journal of Materials Chemistry C, 2015, 3, 1893-1903.	5.5	47
129	Ternary donorâ€“acceptor phosphine oxide hosts with peculiar high energy gap for efficient blue electroluminescence. Journal of Materials Chemistry C, 2015, 3, 9469-9478.	5.5	18
130	Oxygen-containing Functional Groups Enhancing Electrochemical Performance of Porous Reduced Graphene Oxide Cathode in Lithium Ion Batteries. Electrochimica Acta, 2015, 174, 762-769.	5.2	86
131	Dibenzothiophene-Based Phosphine Oxide Host and Electron-Transporting Materials for Efficient Blue Thermally Activated Delayed Fluorescence Diodes through Compatibility Optimization. Chemistry of Materials, 2015, 27, 5131-5140.	6.7	89
132	Tin Oxide/Graphene Aerogel Nanocomposites Building Superior Rate Capability for Lithium Ion Batteries. Electrochimica Acta, 2015, 176, 610-619.	5.2	40
133	Influence of coagulation mechanisms on the residual aluminum â€“ The roles of coagulant species and MW of organic matter. Journal of Hazardous Materials, 2015, 290, 16-25.	12.4	73
134	Electroluminescence from europium(III) complexes. Coordination Chemistry Reviews, 2015, 293-294, 228-249.	18.8	189
135	Phosphine oxide-jointed electron transporters for the reduction of interfacial quenching in highly efficient blue PHOLEDs. Journal of Materials Chemistry C, 2015, 3, 5430-5439.	5.5	37
136	Triazine-phosphine oxide electron transporter for ultralow-voltage-driven sky blue PHOLEDs. Journal of Materials Chemistry C, 2015, 3, 4890-4902.	5.5	46
137	Spatially optimized quaternary phosphine oxide host materials for high-efficiency blue phosphorescence and thermally activated delayed fluorescence organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 11385-11396.	5.5	26
138	Linkage engineering in hosts for dramatic efficiency enhancement of blue phosphorescent organic light-emitting diodes. Optics Express, 2015, 23, 12887.	3.4	10
139	Rationally Investigating the Influence of T₁ Location on Electroluminescence Performance of Aryl Amine Modified Phosphine Oxide Materials. Chemistry - A European Journal, 2014, 20, 16350-16359.	3.3	14
140	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. Nano Research, 2014, 7, 1280-1290.	10.4	66
141	Recent progress in metalâ€“organic complexes for optoelectronic applications. Chemical Society Reviews, 2014, 43, 3259-3302.	38.1	996
142	Highly Efficient Multifluorenyl Host Materials with Unsymmetrical Molecular Configurations and Localized Triplet States for Green and Red Phosphorescent Devices. Advanced Materials, 2014, 26, 7070-7077.	21.0	80
143	A solution-processable triphenylamine-fluorene host for exciplex based white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 9754-9759.	5.5	18
144	Solutionâ€Processible Brilliantly Luminescent Eu^{III} Complexes with Hostâ€Featured Phosphine Oxide Ligands for Monochromic Redâ€Lightâ€Emitting Diodes. Chemistry - A European Journal, 2014, 20, 11137-11148.	3.3	28

#	Article	IF	Citations
145	Suppressing triplet state extension for highly efficient ambipolar phosphine oxide host materials in blue PHOLEDs. Chemical Communications, 2014, 50, 2670-2672.	4.1	35
146	Selectively Investigating Molecular Configuration Effect on Blue Electrophosphorescent Host Performance through a Series of Hydrocarbon Oligomers. Journal of Physical Chemistry C, 2014, 118, 20559-20570.	3.1	20
147	A series of lanthanide(<scp>iii</scp>) complexes constructed from Schiff base and Î²-diketonate ligands. CrystEngComm, 2014, 16, 10460-10468.	2.6	23
148	Relative importance of hydrolyzed Al species (Ala, Alb, Alc) on residual Al and effects of nano-particles (Fe-surface modified TiO2 and Al2O3) on coagulation process. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 446, 139-150.	4.7	14
149	Water-soluble porphyrin as temperature sensor based on fluorescent enhancement. Chemical Research in Chinese Universities, 2014, 30, 379-382.	2.6	8
150	Survey of treatment process in water treatment plant and the characteristics of flocs formed by two new coagulants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 211-221.	4.7	7
151	Constructing Low-Triplet-Energy Hosts for Highly Efficient Blue PHOLEDs: Controlling Charge and Exciton Capture in Doping Systems. Chemistry of Materials, 2013, 25, 4966-4976.	6.7	46
152	Dynamically Adaptive Characteristics of Resonance Variation for Selectively Enhancing Electrical Performance of Organic Semiconductors. Angewandte Chemie - International Edition, 2013, 52, 10491-10495.	13.8	78
153	Convergent Modulation of Singlet and Triplet Excited States of Phosphineâ€Oxide Hosts through the Management of Molecular Structure and Functionalâ€Group Linkages for Lowâ€Voltageâ€Driven Electrophosphorescence. Chemistry - A European Journal, 2013, 19, 141-154.	3.3	36
154	Elevating the Triplet Energy Levels of Dibenzofuranâ€Based Ambipolar Phosphine Oxide Hosts for Ultralowâ€Voltageâ€Driven Efficient Blue Electrophosphorescence: From Dï£¿A to Dï£¿Ï€ï£¿A Systems. Chemistry - A European Journal, 2013, 19, 1385-1396.	3.3	30
155	Controlling optoelectronic properties of carbazoleâ€“phosphine oxide hosts by short-axis substitution for low-voltage-driving PHOLEDs. Chemical Communications, 2013, 49, 2822.	4.1	34
156	Modulating the Optoelectronic Properties of Large, Conjugated, Highâ€Energy Gap, Quaternary Phosphine Oxide Hosts: Impact of the Tripletâ€Excitedâ€State Location. Chemistry - A European Journal, 2013, 19, 9549-9561.	3.3	25
157	A bulky pyridinylfluorene-fuctionalizing approach to synthesize diarylfluorene-based bipolar host materials for efficient red, green, blue and white electrophosphorescent devices. Journal of Materials Chemistry C, 2013, 1, 3482.	5.5	29
158	Recent Progress in Polymer White Lightâ€Emitting Materials and Devices. Macromolecular Chemistry and Physics, 2013, 214, 314-342.	2.2	84
159	Ï€-Conjugated Molecules Based on Truxene Cores and Pyrene Substitution: Synthesis and Properties. Journal of Chemical Research, 2013, 37, 242-247.	1.3	3
160	Highly luminescent bis-diketone lanthanide complexes with triple-stranded dinuclear structure. Dalton Transactions, 2012, 41, 900-907.	3.3	110
161	Insulated donorâ€“Ï€â€“acceptor systems based on fluorene-phosphine oxide hybrids for non-doped deep-blue electroluminescent devices. Chemical Communications, 2012, 48, 6157.	4.1	74
162	Short-Axis Substitution Approach Selectively Optimizes Electrical Properties of Dibenzothiophene-Based Phosphine Oxide Hosts. Journal of the American Chemical Society, 2012, 134, 19179-19188.	13.7	123

#	Article	IF	Citations
163	Influence of molecular configuration and functional substituents on excited state energy levels in two naphthyl-based phosphine oxide hosts. Organic Electronics, 2012, 13, 1516-1525.	2.6	4
164	Controllably Tuning Excitedâ€State Energy in Ternary Hosts for Ultralowâ€Voltageâ€Driven Blue Electrophosphorescence. Angewandte Chemie - International Edition, 2012, 51, 10104-10108.	13.8	118
165	Selfâ€Resistance to an Antitumor Antibiotic: A DNA Glycosylase Triggers the Baseâ€Excision Repair System in Yatakemycin Biosynthesis. Angewandte Chemie - International Edition, 2012, 51, 10532-10536.	13.8	31
166	Xanthene-based phosphine oxide host with the planar multi-insulating structure for efficient electrophosphorescence. Dyes and Pigments, 2012, 94, 561-569.	3.7	8
167	Ternary Ambipolar Phosphine Oxide Hosts Based on Indirect Linkage for Highly Efficient Blue Electrophosphorescence: Towards High Triplet Energy, Low Driving Voltage and Stable Efficiencies. Advanced Materials, 2012, 24, 509-514.	21.0	120
168	The first metalâ€“organic framework containing an unprecedented in situ-generated C-substituted hexamethylenetetramine ligand. Dalton Transactions, 2011, 40, 1224.	3.3	7
169	An effective strategy for small molecular solution-processable iridium(iii) complexes with ambipolar characteristics: towards efficient electrophosphorescence and reduced efficiency roll-off. Journal of Materials Chemistry, 2011, 21, 15405.	6.7	40
170	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. Chemistry of Materials, 2011, 23, 5331-5339.	6.7	94
171	The Influence of the Linkage Pattern on the Optoelectronic Properties of Polysilafluorenes: A Theoretical Study. Journal of Physical Chemistry B, 2011, 115, 242-248.	2.6	22
172	Hindrance-Functionalized Ï€-Stacked Polymer Host Materials of the Cardo-Type Carbazoleâ€“Fluorene Hybrid for Solution-Processable Blue Electrophosphorescent Devices. Macromolecules, 2011, 44, 4589-4595.	4.8	44
173	Monochromic Red-Emitting Nonconjugated Copolymers Containing Double-Carrier-Trapping Phosphine Oxide Eu³⁺ Segments: Toward Bright and Efficient Electroluminescence. Journal of Physical Chemistry C, 2011, 115, 15627-15638.	3.1	45
174	N,Nâ€²-Bis(Salicylidene)â€1,2â€Cyclohexanediamine Lanthanide(III) Coordination Polymers: Syntheses, Crystal Structures, and Luminescence Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1616-1621.	1.2	6
175	Threeâ€Dimensional Heteropolynuclear Zn₄Ln₂ Coordination Frameworks: Structure and NIR Luminescent Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2223-2227.	1.2	1
176	A Single Phosphine Oxide Host for Highâ€Efficiency White Organic Lightâ€Emitting Diodes with Extremely Low Operating Voltages and Reduced Efficiency Rollâ€Off. Advanced Materials, 2011, 23, 2491-2496.	21.0	112
177	Towards Highly Efficient Blueâ€Phosphorescent Organic Lightâ€Emitting Diodes with Low Operating Voltage and Excellent Efficiency Stability. Chemistry - A European Journal, 2011, 17, 445-449.	3.3	58
178	Fluoreneâ€Based Phosphine Oxide Host Materials for Blue Electrophosphorescence: An Effective Strategy for a High Triplet Energy Level. Chemistry - A European Journal, 2011, 17, 2592-2596.	3.3	40
179	A Simple Phosphineâ€“Oxide Host with a Multiâ€insulating Structure: High Triplet Energy Level for Efficient Blue Electrophosphorescence. Chemistry - A European Journal, 2011, 17, 5800-5803.	3.3	159
180	A New Phosphine Oxide Host based on orthoâ€Disubstituted Dibenzofuran for Efficient Electrophosphorescence: Towards High Triplet State Excited Levels and Excellent Thermal, Morphological and Efficiency Stability. Chemistry - A European Journal, 2011, 17, 8947-8956.	3.3	60

#	Article	IF	Citations
181	Spectroscopic study of intramolecular energy transfer in a phosphine oxide Eu3+ complex: A stepwise process induced by intermediate energy levels. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 217, 213-218.	3.9	24
182	Photophysical and electroluminescent properties of a Series of Monochromatic red-emitting europium-complexed nonconjugated copolymers based on diphenylphosphine oxide modified polyvinylcarbazole. Polymer, 2011, 52, 804-813.	3.8	34
183	Chiral pyrrolidine-azole conjugates: Simple and efficient asymmetric organocatalysts for Michael addition to nitrostyrenes. Science Bulletin, 2010, 55, 1735-1741.	1.7	2
184	Influence of bidentate structure of an aryl phosphine oxide ligand on photophysical properties of its EuIII complex. Journal of Rare Earths, 2010, 28, 666-670.	4.8	15
185	Small Molecular Glasses Based on Multiposition Encapsulated Phenyl Benzimidazole Iridium(III) Complexes: Toward Efficient Solution-Processable Host-Free Electrophosphorescent Diodes. Journal of Physical Chemistry B, 2010, 114, 141-150.	2.6	55
186	Novel Light-Emitting Ternary Eu³⁺ Complexes Based on Multifunctional Bidentate Aryl Phosphine Oxide Derivatives: Tuning Photophysical and Electrochemical Properties toward Bright Electroluminescence. Journal of Physical Chemistry C, 2010, 114, 1674-1683.	3.1	56
187	Synthesis, photophysical and electroluminescent properties of a novel bright light-emitting Eu3+ complex based on a fluorene-containing bidentate aryl phosphine oxide. Synthetic Metals, 2010, 160, 2197-2202.	3.9	26
188	Highly improved electroluminescence from double-layer devices based on a carbazole-functionalized europium3+ complex. Applied Physics A: Materials Science and Processing, 2009, 95, 595-600.	2.3	10
189	N,Nâ€²-Bis(3-methoxysalicylidene)propane-1,2-diamine mononuclear 4f and heterodinuclear Cu-4f complexes: Synthesis, crystal structure and electrochemical properties. Inorganica Chimica Acta, 2009, 362, 1761-1766.	2.4	31
190	N,Nâ€²-bis(salicylidene)propane-1,2-diamine lanthanide(III) coordination polymers: Synthesis, crystal structure and luminescence properties. Journal of Solid State Chemistry, 2009, 182, 381-388.	2.9	35
191	Stable hole-transporting molecular glasses based on complicated 9,9-diarylfluorenes (CDAFs). Synthetic Metals, 2009, 159, 1055-1060.	3.9	27
192	Bright electroluminescence from a chelate phosphine oxide EuIII complex with high thermal performance. Thin Solid Films, 2008, 516, 8487-8492.	1.8	16
193	Comparison of the Electrochemical and Luminescence Properties of Two Carbazoleâ€Based Phosphine Oxide Eu^{III} Complexes: Effect of Different Bipolar Ligand Structures. ChemPhysChem, 2008, 9, 1752-1760.	2.1	36
194	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. Journal of Physical Chemistry C, 2008, 112, 15517-15525.	3.1	63
195	Highly Improved Electroluminescence from a Series of Novel Eu^{III} Complexes with Functional Singleâ€Coordinate Phosphine Oxide Ligands: Tuning the Intramolecular Energy Transfer, Morphology, and Carrier Injection Ability of the Complexes. Chemistry - A European Journal, 2007, 13, 10281-10293.	3.3	78
196	Magnetic Nanoparticleâ€Supported Moritaâ€“Baylisâ€“Hillman Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 2431-2434.	4.3	98
197	Application of Chelate Phosphine Oxide Ligand in EuIII Complex with Mezzo Triplet Energy Level, Highly Efficient Photoluminescent, and Electroluminescent Performances. Journal of Physical Chemistry B, 2006, 110, 3023-3029.	2.6	141
198	Synthesis, Photophysics, and Electroluminescence of Poly(dibenzofluorene)s. Macromolecular Rapid Communications, 2006, 27, 1142-1148.	3.9	8

#	Article	IF	Citations
199	Determination of Binding Constants for Basic Drugs with Serum Albumin by Affinity Capillary Electrophoresis with the Partial Filling Technique. Chromatographia, 2005, 61, 419-422.	1.3	14
200	A New Insight into the Hydrogen-bonded Liquid Crystals Built from Carboxylic Acids and Pyridyl Moieties. Molecular Crystals and Liquid Crystals, 2002, 373, 119-126.	0.9	19
201	Polyorganosiloxane-europium (III) host-guest inclusion system and its energy transfer luminescence. Science in China Series B: Chemistry, 1999, 42, 351-356.	0.8	3
202	New synthetic route for weak base anion exchangers based on crosslinked polystyrene. Journal of Polymer Science Part A, 1998, 36, 2151-2154.	2.3	7
203	Organophosphineâ€sandwiched Copper Iodide Cluster Enables Charge Trapping. Angewandte Chemie, 0, , .	2.0	0