Hui Xu

List of Publications by Year
in descending order

203 papers	8,718 citations	31949 53 h-index	54882 84 g-index
214 all docs	214 docs citations	214 times ranked	7345 citing authors

#	Article	IF	Citations
1	Recent progress in metalâ€“organic complexes for optoelectronic applications. Chemical Society Reviews, 2014, 43, 3259-3302.	18.7	996
2	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.	11.1	204
3	Electroluminescence from europium(III) complexes. Coordination Chemistry Reviews, 2015, 293-294, 228-249.	9.5	189
4	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.	1.7	159
5	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.	11.1	151
6	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.	1.2	141
7	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. Nature, 2020, 587, 594-599.	13.7	135
8	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.	3.2	131
9	Short-Axis Substitution Approach Selectively Optimizes Electrical Properties of Dibenzothiophene-Based Phosphine Oxide Hosts. Journal of the American Chemical Society, 2012, 134, 19179-19188.	6.6	123
10	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.	11.1	122
11	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.	11.1	120
12	Controllably Tuning Excitedâ€State Energy in Ternary Hosts for Ultralowâ€Voltageâ€Driven Blue Electrophosphorescence. Angewandte Chemie - International Edition, 2012, 51, 10104-10108.	7.2	118
13	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.	11.1	112
14	Highly luminescent bis-diketone lanthanide complexes with triple-stranded dinuclear structure. Dalton Transactions, 2012, 41, 900-907.	1.6	110
15	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.	7.2	110
16	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.	7.2	108
17	Dipole-Dipole Interaction Management for Efficient Blue Thermally Activated Delayed Fluorescence Diodes. CheM, 2018, 4, 2154-2167.	5.8	106
18	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. Journal of Environmental Sciences, 2017, 54, 1-12.	3.2	104

#	Article	IF	Citations
19	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.	11.1	104
20	Magnetic Nanoparticleâ€Supported Moritaâ€"Baylisâ€"Hillman Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 2431-2434.	2.1	98
21	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.	3.2	94
22	Balanced Dual Emissions from Tridentate Phosphineâ€Coordinate Copper(I) Complexes toward Highly Efficient Yellow OLEDs. Advanced Materials, 2016, 28, 5975-5979.	11.1	94
23	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.	3.7	92
24	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. Chemistry of Materials, 2017, 29, 6606-6610.	3.2	91
25	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.	3.2	89
26	Oxygen-containing Functional Groups Enhancing Electrochemical Performance of Porous Reduced Graphene Oxide Cathode in Lithium Ion Batteries. Electrochimica Acta, 2015, 174, 762-769.	2.6	86
27	Ambipolar Selfâ€Host Functionalization Accelerates Blue Multiâ€Resonance Thermally Activated Delayed Fluorescence with Internal Quantum Efficiency of 100%. Advanced Materials, 2022, 34, e2110547.	11.1	85
28	Recent Progress in Polymer White Lightâ€Emitting Materials and Devices. Macromolecular Chemistry and Physics, 2013, 214, 314-342.	1.1	84
29	Highly efficient sky blue electroluminescence from ligand-activated copper iodide clusters: Overcoming the limitations of cluster light-emitting diodes. Science Advances, 2019, 5, eaav9857.	4.7	81
30	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.	11.1	80
31	A Phosphanthrene Oxide Host with Close Sphere Packing for Ultralowâ€Voltageâ€Driven Efficient Blue Thermally Activated Delayed Fluorescence Diodes. Advanced Materials, 2017, 29, 1700553.	11.1	79
32	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.	1.7	78
33	Dynamically Adaptive Characteristics of Resonance Variation for Selectively Enhancing Electrical Performance of Organic Semiconductors. Angewandte Chemie - International Edition, 2013, 52, 10491-10495.	7.2	78
34	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.	4.2	77
35	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. Nature Photonics, 2021, 15, 732-737.	15.6	77
36	Insulated donorâ€"Ï€â€"acceptor systems based on fluorene-phosphine oxide hybrids for non-doped deep-blue electroluminescent devices. Chemical Communications, 2012, 48, 6157.	2.2	74

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37	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.	6.5	73
38	Achieving Optimal Self-Adaptivity for Dynamic Tuning of Organic Semiconductors through Resonance Engineering. Journal of the American Chemical Society, 2016, 138, 9655-9662.	6.6	71
39	The influence of particle size and concentration combined with pH on coagulation mechanisms. Journal of Environmental Sciences, 2019, 82, 39-46.	3.2	70
40	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.	3.6	67
41	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. Nano Research, 2014, 7, 1280-1290.	5.8	66
42	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.	1.5	63
43	Chargeâ€Transfer Exciton Manipulation Based on Hydrogen Bond for Efficient White Thermally Activated Delayed Fluorescence. Advanced Functional Materials, 2020, 30, 1908568.	7.8	63
44	Electroluminescent materials toward near ultraviolet region. Chemical Society Reviews, 2021, 50, 8639-8668.	18.7	63
45	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.	3.6	62
46	A New Phosphine Oxide Host based on <i>ortho</i>â€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.	1.7	60
47	Amorphous SnO2/graphene aerogel nanocomposites harvesting superior anode performance for lithium energy storage. Applied Energy, 2016, 175, 529-535.	5.1	60
48	High-efficiency blue thermally activated delayed fluorescence from donorâ€“acceptorâ€“donor systems <i>via</i> the through-space conjugation effect. Chemical Science, 2019, 10, 5556-5567.	3.7	59
49	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.	1.7	58
50	Molecular Configuration Fixation with Câ€“HÂ·Â·Â·F Hydrogen Bonding for Thermally Activated Delayed Fluorescence Acceleration. CheM, 2020, 6, 1998-2008.	5.8	58
51	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.	1.5	56
52	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.	6.5	56
53	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.	1.2	55
54	Investigation of heavy metals release from sediment with bioturbation/bioirrigation. Chemosphere, 2017, 184, 235-243.	4.2	55

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55	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.	2.7	54
56	Highâ€Efficiency Blue Dualâ€Emissive Exciplex Boosts Fullâ€Radiative White Electroluminescence. Advanced Optical Materials, 2018, 6, 1800437.	3.6	53
57	Relationship between heavy metals and dissolved organic matter released from sediment by bioturbation/bioirrigation. Journal of Environmental Sciences, 2019, 75, 216-223.	3.2	52
58	Allochroic thermally activated delayed fluorescence diodes through field-induced solvatochromic effect. Science Advances, 2017, 3, e1700904.	4.7	51
59	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.	6.4	48
60	Mechanism of fluoride removal by AlCl3 and Al13: The role of aluminum speciation. Journal of Hazardous Materials, 2020, 398, 122987.	6.5	48
61	A unique white electroluminescent one-dimensional europium(<scp>iii</scp>) coordination polymer. Journal of Materials Chemistry C, 2015, 3, 1893-1903.	2.7	47
62	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.	3.2	46
63	Triazine-phosphine oxide electron transporter for ultralow-voltage-driven sky blue PHOLEDs. Journal of Materials Chemistry C, 2015, 3, 4890-4902.	2.7	46
64	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.	5.8	46
65	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.	1.5	45
66	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.	2.2	44
67	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.	6.6	42
68	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
69	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.	1.7	40
70	Tin Oxide/Graphene Aerogel Nanocomposites Building Superior Rate Capability for Lithium Ion Batteries. Electrochimica Acta, 2015, 176, 610-619.	2.6	40
71	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.	4.8	39
72	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.	3.6	38

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73	Highly Efficient Photoreduction of Lowâ€Concentration CO₂to Syngas by Using a Polyoxometalates/Ru^{II}Composite. Chemistry - A European Journal, 2020, 26, 2735-2740.	1.7	38
74	Photon upconversion through triplet exciton-mediated energy relay. Nature Communications, 2021, 12, 3704.	5.8	38
75	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.	2.7	37
76	Photo-triggered gadofullerene: enhanced cancer therapy by combining tumor vascular disruption and stimulation of anti-tumor immune responses. Biomaterials, 2019, 213, 119218.	5.7	37
77	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.	1.0	36
78	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.	1.7	36
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.	1.7	36
80	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.	1.4	35
81	Suppressing triplet state extension for highly efficient ambipolar phosphine oxide host materials in blue PHOLEDs. Chemical Communications, 2014, 50, 2670-2672.	2.2	35
82	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.	4.0	35
83	Overcoming Efficiency Limitation of Cluster Light-Emitting Diodes with Asymmetrically Functionalized Biphosphine Cu₄I₄ Cubes. Journal of the American Chemical Society, 2022, 144, 6551-6557.	6.6	35
84	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.	1.8	34
85	Controlling optoelectronic properties of carbazoleâ€“phosphine oxide hosts by short-axis substitution for low-voltage-driving PHOLEDs. Chemical Communications, 2013, 49, 2822.	2.2	34
86	Influence of particle size on the aggregation behavior of nanoparticles: Role of structural hydration layer. Journal of Environmental Sciences, 2021, 103, 33-42.	3.2	34
87	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.	1.2	31
88	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.	7.2	31
89	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.	1.7	30
90	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.	2.7	29

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91	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.	1.7	28
92	RF-assisted gadofullerene nanoparticles induces rapid tumor vascular disruption by down-expression of tumor vascular endothelial cadherin. Biomaterials, 2018, 163, 142-153.	5.7	28
93	Stable hole-transporting molecular glasses based on complicated 9,9-diarylfluorenes (CDAFs). Synthetic Metals, 2009, 159, 1055-1060.	2.1	27
94	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.	2.1	26
95	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.	2.7	26
96	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.	1.7	25
97	Manipulating Complementarity of Binary White Thermally Activated Delayed Fluorescence Systems for 100% Exciton Harvesting in OLEDs. Advanced Functional Materials, 2021, 31, 2011169.	7.8	25
98	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.	2.0	24
99	A series of lanthanide(<scp>iii</scp>) complexes constructed from Schiff base and Î²-diketonate ligands. CrystEngComm, 2014, 16, 10460-10468.	1.3	23
100	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.	4.0	23
101	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.	6.6	23
102	Host engineering based on multiple phosphorylation for efficient blue and white TADF organic light-emitting diodes. Chemical Engineering Journal, 2021, 405, 126986.	6.6	23
103	2,3-Dicyanopyrazino phenanthroline enhanced charge transfer for efficient near-infrared thermally activated delayed fluorescent diodes. Chemical Engineering Journal, 2022, 436, 135080.	6.6	23
104	The Influence of the Linkage Pattern on the Optoelectronic Properties of Polysilafluorenes: A Theoretical Study. Journal of Physical Chemistry B, 2011, 115, 242-248.	1.2	22
105	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.	2.7	22
106	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.	1.5	20
107	Synergetic Subnano Niâ€•and Mnâ€Oxo Clusters Anchored by Chitosan Oligomers on 2D gâ€C 3 N 4 Boost Photocatalytic CO 2 Reduction. Solar Rrl, 2021, 5, 2000472.	3.1	20
108	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.	0.4	19

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109	Highâ€Powerâ€Efficiency White Thermally Activated Delayed Fluorescence Diodes Based on Selectively Optimized Intermolecular Interactions. Advanced Functional Materials, 2020, 30, 2005165.	7.8	19
110	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.	6.5	19
111	A solution-processable triphenylamine-fluorene host for exciplex based white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 9754-9759.	2.7	18
112	Ternary donorâ€“acceptor phosphine oxide hosts with peculiar high energy gap for efficient blue electroluminescence. Journal of Materials Chemistry C, 2015, 3, 9469-9478.	2.7	18
113	Optimizing the Intralayer and Interlayer Compatibility for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. Scientific Reports, 2016, 6, 19904.	1.6	18
114	Variations in NOM during floc aging: Effect of typical Al-based coagulants and different particle sizes. Water Research, 2022, 218, 118486.	5.3	18
115	Dual Encapsulation of Electron Transporting Materials To Simplify High-Efficiency Blue Thermally Activated Delayed Fluorescence Devices. Chemistry of Materials, 2016, 28, 7145-7157.	3.2	17
116	3D-Encapsulated iridium-complexed nanophosphors for highly efficient host-free organic light-emitting diodes. Chemical Communications, 2016, 52, 5183-5186.	2.2	17
117	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.	1.4	17
118	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.	1.3	17
119	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.	6.6	17
120	Organophosphineâ€Sandwiched Copper Iodide Cluster Enables Charge Trapping. Angewandte Chemie - International Edition, 2021, 60, 24894-24900.	7.2	17
121	Bright electroluminescence from a chelate phosphine oxide EuIII complex with high thermal performance. Thin Solid Films, 2008, 516, 8487-8492.	0.8	16
122	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.	3.2	16
123	Highly Efficient Deepâ€Red Nonâ€Doped Diodes Based on a Tâ€Shape Thermally Activated Delayed Fluorescence Emitter. Angewandte Chemie, 2020, 132, 19204-19209.	1.6	16
124	High-efficiency hyperfluorescent white light-emitting diodes based on high-concentration-doped TADF sensitizer matrices <i>via</i> spatial and energy gap effects. Chemical Science, 2021, 13, 159-169.	3.7	16
125	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.	2.5	15
126	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.	3.9	15

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127	Determination of Binding Constants for Basic Drugs with Serum Albumin by Affinity Capillary Electrophoresis with the Partial Filling Technique. Chromatographia, 2005, 61, 419-422.	0.7	14
128	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.	1.7	14
129	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.	2.3	14
130	Asymmetrically phosphorylated carbazole host for highly efficient blue and white thermally activated delayed fluorescence diodes. Chemical Engineering Journal, 2020, 401, 126049.	6.6	14
131	Recent progress of phosphine electroluminescent materials and devices. Chinese Science Bulletin, 2019, 64, 663-681.	0.4	14
132	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.	7.8	13
133	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.	2.6	12
134	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.	3.2	12
135	High-power-efficiency thermally activated delayed fluorescence white organic light-emitting diodes based on asymmetrical host engineering. Nano Energy, 2021, 83, 105746.	8.2	12
136	Phosphine Oxide Additives for Highâ€•Brightness Inorganic Perovskite Lightâ€•Emitting Diodes. Advanced Optical Materials, 2022, 10, 2101602.	3.6	12
137	Recent progress in functionalized electrophosphorescent iridium(III) complexes. Chinese Chemical Letters, 2016, 27, 1193-1200.	4.8	11
138	Real-time monitoring of tumor vascular disruption induced by radiofrequency assisted gadofullerene. Science China Materials, 2018, 61, 1101-1111.	3.5	11
139	Achieving host-free near-ultraviolet electroluminescence via electronic state engineering with phosphine oxide. Chemical Engineering Journal, 2022, 429, 132327.	6.6	11
140	Facilitated interfacial charge separation using triphenylamine-zinc porphyrin dyad-sensitized TiO2 nanoparticles for photocatalysis. Journal of Alloys and Compounds, 2021, 889, 161795.	2.8	11
141	Optimizing energy transfer for highly efficient single-emissive-layer white thermally activated delayed fluorescence organic light-emitting diodes. Optics Letters, 2019, 44, 5727.	1.7	11
142	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.	1.1	10
143	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.	2.3	10
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