

Hui Xu

List of Publications by Year in descending order

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203
papers

8,718
citations

31976
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all docs

214
docs citations

214
times ranked

7345
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014, 43, 3259-3302.	38.1	996
2	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, 3122-3130.	21.0	204
3	Electroluminescence from europium(III) complexes. <i>Coordination Chemistry Reviews</i> , 2015, 293-294, 228-249.	18.8	189
4	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, 5800-5803.	3.3	159
5	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, 479-485.	21.0	151
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, 3023-3029.	2.6	141
7	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. <i>Nature</i> , 2020, 587, 594-599.	27.8	135
8	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.	6.7	131
9	Short-Axis Substitution Approach Selectively Optimizes Electrical Properties of Dibenzothiophene-Based Phosphine Oxide Hosts. <i>Journal of the American Chemical Society</i> , 2012, 134, 19179-19188.	13.7	123
10	Secondary Acceptor Optimization for Full-Exciton Radiation: Toward Sky-Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency of $>30\%$. <i>Advanced Materials</i> , 2018, 30, e1804228.	21.0	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. <i>Advanced Materials</i> , 2012, 24, 509-514.	21.0	120
12	Controllably Tuning Excited-State Energy in Ternary Hosts for Ultralow-Voltage-Driven Blue Electrophosphorescence. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10104-10108.	13.8	118
13	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, 2491-2496.	21.0	112
14	Highly luminescent bis-diketone lanthanide complexes with triple-stranded dinuclear structure. <i>Dalton Transactions</i> , 2012, 41, 900-907.	3.3	110
15	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.	13.8	110
16	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.	13.8	108
17	Dipole-Dipole Interaction Management for Efficient Blue Thermally Activated Delayed Fluorescence Diodes. <i>Chem</i> , 2018, 4, 2154-2167.	11.7	106
18	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. <i>Journal of Environmental Sciences</i> , 2017, 54, 1-12.	6.1	104

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19	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.	21.0	104
20	Magnetic Nanoparticle-Supported Morita-Baylis-Hillman Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2431-2434.	4.3	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. <i>Chemistry of Materials</i> , 2011, 23, 5331-5339.	6.7	94
22	Balanced Dual Emissions from Tridentate Phosphine-Coordinate Copper(I) Complexes toward Highly Efficient Yellow OLEDs. <i>Advanced Materials</i> , 2016, 28, 5975-5979.	21.0	94
23	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.	7.4	92
24	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. <i>Chemistry of Materials</i> , 2017, 29, 6606-6610.	6.7	91
25	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.	6.7	89
26	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.	5.2	86
27	Ambipolar Self-Host Functionalization Accelerates Blue Multi-Resonance Thermally Activated Delayed Fluorescence with Internal Quantum Efficiency of 100%. <i>Advanced Materials</i> , 2022, 34, e2110547.	21.0	85
28	Recent Progress in Polymer White Light-Emitting Materials and Devices. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 314-342.	2.2	84
29	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.	10.3	81
30	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, 7070-7077.	21.0	80
31	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.	21.0	79
32	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, 10281-10293.	3.3	78
33	Dynamically Adaptive Characteristics of Resonance Variation for Selectively Enhancing Electrical Performance of Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10491-10495.	13.8	78
34	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.	8.2	77
35	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. <i>Nature Photonics</i> , 2021, 15, 732-737.	31.4	77
36	Insulated donor-acceptor systems based on fluorene-phosphine oxide hybrids for non-doped deep-blue electroluminescent devices. <i>Chemical Communications</i> , 2012, 48, 6157.	4.1	74

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37	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.	12.4	73
38	Achieving Optimal Self-Adaptivity for Dynamic Tuning of Organic Semiconductors through Resonance Engineering. <i>Journal of the American Chemical Society</i> , 2016, 138, 9655-9662.	13.7	71
39	The influence of particle size and concentration combined with pH on coagulation mechanisms. <i>Journal of Environmental Sciences</i> , 2019, 82, 39-46.	6.1	70
40	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.	7.3	67
41	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. <i>Nano Research</i> , 2014, 7, 1280-1290.	10.4	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. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15517-15525.	3.1	63
43	Charge-Transfer Exciton Manipulation Based on Hydrogen Bond for Efficient White Thermally Activated Delayed Fluorescence. <i>Advanced Functional Materials</i> , 2020, 30, 1908568.	14.9	63
44	Electroluminescent materials toward near ultraviolet region. <i>Chemical Society Reviews</i> , 2021, 50, 8639-8668.	38.1	63
45	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.	7.3	62
46	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, 8947-8956.	3.3	60
47	Amorphous SnO ₂ /graphene aerogel nanocomposites harvesting superior anode performance for lithium energy storage. <i>Applied Energy</i> , 2016, 175, 529-535.	10.1	60
48	High-efficiency blue thermally activated delayed fluorescence from donor-acceptor-donor systems via the through-space conjugation effect. <i>Chemical Science</i> , 2019, 10, 5556-5567.	7.4	59
49	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, 445-449.	3.3	58
50	Molecular Configuration Fixation with H ⁺ -F Hydrogen Bonding for Thermally Activated Delayed Fluorescence Acceleration. <i>CheM</i> , 2020, 6, 1998-2008.	11.7	58
51	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.	3.1	56
52	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.	12.4	56
53	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, 141-150.	2.6	55
54	Investigation of heavy metals release from sediment with bioturbation/bioirrigation. <i>Chemosphere</i> , 2017, 184, 235-243.	8.2	55

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55	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.	5.5	54
56	High-efficiency Blue Dual-emissive Exciplex Boosts Full-radiative White Electroluminescence. <i>Advanced Optical Materials</i> , 2018, 6, 1800437.	7.3	53
57	Relationship between heavy metals and dissolved organic matter released from sediment by bioturbation/bioirrigation. <i>Journal of Environmental Sciences</i> , 2019, 75, 216-223.	6.1	52
58	Allochromic thermally activated delayed fluorescence diodes through field-induced solvatochromic effect. <i>Science Advances</i> , 2017, 3, e1700904.	10.3	51
59	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.	12.2	48
60	Mechanism of fluoride removal by AlCl ₃ and Al ₁₃ : The role of aluminum speciation. <i>Journal of Hazardous Materials</i> , 2020, 398, 122987.	12.4	48
61	A unique white electroluminescent one-dimensional europium(III) coordination polymer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1893-1903.	5.5	47
62	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.	6.7	46
63	Triazine-phosphine oxide electron transporter for ultralow-voltage-driven sky blue PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4890-4902.	5.5	46
64	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.	12.8	46
65	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.	3.1	45
66	Hindrance-Functionalized π -Stacked Polymer Host Materials of the Cardo-Type Carbazole-Fluorene Hybrid for Solution-Processable Blue Electrophosphorescent Devices. <i>Macromolecules</i> , 2011, 44, 4589-4595.	4.8	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. <i>Chemical Engineering Journal</i> , 2019, 374, 471-478.	12.7	42
68	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.	6.7	40
69	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, 2592-2596.	3.3	40
70	Tin Oxide/Graphene Aerogel Nanocomposites Building Superior Rate Capability for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015, 176, 610-619.	5.2	40
71	A comprehensive insight into the effects of microwave-H ₂ O ₂ pretreatment on concentrated sewage sludge anaerobic digestion based on semi-continuous operation. <i>Bioresource Technology</i> , 2018, 256, 118-127.	9.6	39
72	A σ -Si-locked Phosphine Oxide Host with Suppressed Structural Relaxation for Highly Efficient Deep-Blue TADF Diodes. <i>Advanced Optical Materials</i> , 2016, 4, 522-528.	7.3	38

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73	Highly Efficient Photoreduction of Low Concentration CO ₂ to Syngas by Using a Polyoxometalates/Ru ^{II} Composite. <i>Chemistry - A European Journal</i> , 2020, 26, 2735-2740.	3.3	38
74	Photon upconversion through triplet exciton-mediated energy relay. <i>Nature Communications</i> , 2021, 12, 3704.	12.8	38
75	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.	5.5	37
76	Photo-triggered gadofullerene: enhanced cancer therapy by combining tumor vascular disruption and stimulation of anti-tumor immune responses. <i>Biomaterials</i> , 2019, 213, 119218.	11.4	37
77	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, 1752-1760.	2.1	36
78	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, 141-154.	3.3	36
79	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.	3.3	36
80	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.	2.9	35
81	Suppressing triplet state extension for highly efficient ambipolar phosphine oxide host materials in blue PHOLEDs. <i>Chemical Communications</i> , 2014, 50, 2670-2672.	4.1	35
82	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.	8.0	35
83	Overcoming Efficiency Limitation of Cluster Light-Emitting Diodes with Asymmetrically Functionalized Biphosphine Cu ₄ I ₄ Cubes. <i>Journal of the American Chemical Society</i> , 2022, 144, 6551-6557.	13.7	35
84	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.	3.8	34
85	Controlling optoelectronic properties of carbazole-based phosphine oxide hosts by short-axis substitution for low-voltage-driving PHOLEDs. <i>Chemical Communications</i> , 2013, 49, 2822.	4.1	34
86	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.	6.1	34
87	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.	2.4	31
88	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, 10532-10536.	13.8	31
89	Elevating the Triplet Energy Levels of Dibenzofuran-Based Ambipolar Phosphine Oxide Hosts for Ultralow Voltage-Driven Efficient Blue Electrophosphorescence: From D _{3h} to D _{3h} h Systems. <i>Chemistry - A European Journal</i> , 2013, 19, 1385-1396.	3.3	30
90	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.	5.5	29

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91	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, 11137-11148.	3.3	28
92	RF-assisted gadofullerene nanoparticles induces rapid tumor vascular disruption by down-expression of tumor vascular endothelial cadherin. <i>Biomaterials</i> , 2018, 163, 142-153.	11.4	28
93	Stable hole-transporting molecular glasses based on complicated 9,9-diarylflorenes (CDAFs). <i>Synthetic Metals</i> , 2009, 159, 1055-1060.	3.9	27
94	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.	3.9	26
95	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.	5.5	26
96	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, 9549-9561.	3.3	25
97	Manipulating Complementarity of Binary White Thermally Activated Delayed Fluorescence Systems for 100% Exciton Harvesting in OLEDs. <i>Advanced Functional Materials</i> , 2021, 31, 2011169.	14.9	25
98	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.	3.9	24
99	A series of lanthanide(III) complexes constructed from Schiff base and β^2 -diketonate ligands. <i>CrystEngComm</i> , 2014, 16, 10460-10468.	2.6	23
100	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.	8.0	23
101	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.	12.7	23
102	Host engineering based on multiple phosphorylation for efficient blue and white TADF organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2021, 405, 126986.	12.7	23
103	2,3-Dicyanopyrazino phenanthroline enhanced charge transfer for efficient near-infrared thermally activated delayed fluorescent diodes. <i>Chemical Engineering Journal</i> , 2022, 436, 135080.	12.7	23
104	The Influence of the Linkage Pattern on the Optoelectronic Properties of Polysilaflorenes: A Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 242-248.	2.6	22
105	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.	5.5	22
106	Selectively Investigating Molecular Configuration Effect on Blue Electrophosphorescent Host Performance through a Series of Hydrocarbon Oligomers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20559-20570.	3.1	20
107	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.	5.8	20
108	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.	0.9	19

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109	High Power Efficiency White Thermally Activated Delayed Fluorescence Diodes Based on Selectively Optimized Intermolecular Interactions. <i>Advanced Functional Materials</i> , 2020, 30, 2005165.	14.9	19
110	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.	12.4	19
111	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.	5.5	18
112	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.	5.5	18
113	Optimizing the Intralayer and Interlayer Compatibility for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. <i>Scientific Reports</i> , 2016, 6, 19904.	3.3	18
114	Variations in NOM during floc aging: Effect of typical Al-based coagulants and different particle sizes. <i>Water Research</i> , 2022, 218, 118486.	11.3	18
115	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.	6.7	17
116	3D-Encapsulated iridium-complexed nanophosphors for highly efficient host-free organic light-emitting diodes. <i>Chemical Communications</i> , 2016, 52, 5183-5186.	4.1	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. <i>Organic Electronics</i> , 2018, 57, 247-254.	2.6	17
118	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.	2.6	17
119	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.	12.7	17
120	Organophosphine-Sandwiched Copper Iodide Cluster Enables Charge Trapping. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24894-24900.	13.8	17
121	Bright electroluminescence from a chelate phosphine oxide Eu(III) complex with high thermal performance. <i>Thin Solid Films</i> , 2008, 516, 8487-8492.	1.8	16
122	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.	6.1	16
123	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.	2.0	16
124	High-efficiency hyperfluorescent white light-emitting diodes based on high-concentration-doped TADF sensitizer matrices via spatial and energy gap effects. <i>Chemical Science</i> , 2021, 13, 159-169.	7.4	16
125	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.	4.8	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. <i>Science of the Total Environment</i> , 2021, 782, 146849.	8.0	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. <i>Chromatographia</i> , 2005, 61, 419-422.	1.3	14
128	Rationally Investigating the Influence of T ₁ Location on Electroluminescence Performance of Aryl Amine Modified Phosphine Oxide Materials. <i>Chemistry - A European Journal</i> , 2014, 20, 16350-16359.	3.3	14
129	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.	4.7	14
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