Xiaolong Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2511286/publications.pdf

Version: 2024-02-01

		186265	118850
73	3,962	28	62
papers	citations	h-index	g-index

73	73	73	3438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Red-emitting IrIII(C^N)2(P-donor ligand)Cl-type complexes showing aggregation-induced phosphorescent emission (AIPE) behavior for both red and white OLEDs. Dyes and Pigments, 2022, 205, 110538.	3.7	5
2	AIE-active Pt(II) complexes based on a three-ligand molecular framework for high performance solution-processed OLEDs. Chemical Engineering Journal, 2022, 449, 137457.	12.7	5
3	Universal polymeric hosts adopting cardo-type backbone prepared by palladium-free catalyst with precisely controlled triplet energy levels and their application for highly efficient solution-processed phosphorescent organic light-emitting devices. Chemical Engineering Journal, 2021, 406, 126717.	12.7	5
4	Optimizing molecular rigidity and thermally activated delayed fluorescence (TADF) behavior of phosphoryl center Ï€-conjugated heterocycles-based emitters by tuning chemical features of the tether groups. Chemical Engineering Journal, 2021, 413, 127445.	12.7	13
5	Efficient dinuclear Pt(<scp>ii</scp>) complexes based on the triphenylphosphine oxide scaffold for high performance solution-processed OLEDs. Journal of Materials Chemistry C, 2021, 9, 5373-5378.	5.5	10
6	Highly efficient solution-processed pure yellow OLEDs based on dinuclear Pt(<scp>ii</scp>) complexes. Materials Chemistry Frontiers, 2021, 5, 5698-5705.	5.9	9
7	Mono-, di- and tri-nuclear Pt^{II}(C^N)(N-donor ligand)Cl complexes showing aggregation-induced phosphorescent emission (AIPE) behavior for efficient solution-processed organic light-emitting devices. Materials Chemistry Frontiers, 2021, 5, 4160-4173.	5.9	2
8	Ir^{III}(C^N)₂(P-donor ligand)Cl-type complexes bearing functional groups and showing aggregation-induced phosphorescence emission (AIPE) behavior for highly efficient OLEDs. Journal of Materials Chemistry C, 2021, 9, 12330-12341.	5.5	4
9	Triphenylamine-based trinuclear Pt(II) complexes for solution-processed OLEDs displaying efficient pure yellow and red emissions. Organic Electronics, 2021, 91, 106101.	2.6	9
10	Developing Efficient Dinuclear Pt(II) Complexes Based on the Triphenylamine Core for High-Efficiency Solution-Processed OLEDs. ACS Applied Materials & Interfaces, 2021, 13, 36020-36032.	8.0	7
11	An Efficient Hole Transporting Polymer for Quantum Dot Lightâ€Emitting Diodes. Advanced Materials Interfaces, 2021, 8, 2100731.	3.7	16
12	Aggregation-induced phosphorescence emission (AIPE) behaviors in Pt^{II}(C^N)(N-donor) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 skeleton and their optoelectronic properties. Journal of Materials Chemistry C, 2021, 9, 2334-2349.	5.5	24
13	Manipulating MLCT transition character with ppy-type four-coordinate organoboron skeleton for highly efficient long-wavelength Ir-based phosphors in organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12650-12660.	5.5	9
14	Dinuclear Ir(III) complex based on different flanking and bridging cyclometalated ligands: An impressive molecular framework for developing high performance phosphorescent emitters. Chemical Engineering Journal, 2020, 391, 123505.	12.7	17
15	Unsymmetric 2-phenylpyridine (ppy)-type cyclometalated Ir(<scp>iii</scp>) complexes bearing both 5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene and phenylsulfonyl groups for tuning optoelectronic properties and electroluminescence abilities. Inorganic Chemistry Frontiers, 2020, 7, 1651-1666.	6.0	9
16	The synthesis of cyclometalated platinum(<scp>ii</scp>) complexes with benzoaryl-pyridines as C^N ligands for investigating their photophysical, electrochemical and electroluminescent properties. Dalton Transactions, 2020, 49, 15633-15645.	3.3	7
17	Unsymmetric Heteroleptic Ir(III) Complexes with 2-Phenylquinoline and Coumarin-Based Ligand Isomers for Tuning Character of Triplet Excited States and Achieving High Electroluminescent Efficiencies. Inorganic Chemistry, 2020, 59, 12362-12374.	4.0	13
18	Strategically Formulating Aggregationâ€Induced Emissionâ€Active Phosphorescent Emitters by Restricting the Coordination Skeletal Deformation of Pt(II) Complexes Containing Two Independent Monodentate Ligands. Advanced Optical Materials, 2020, 8, 2000079.	7.3	26

#	Article	IF	Citations
19	Iridium(<scp>iii</scp>) complexes with the dithieno[3,2-b:2â€²,3â€²-d]phosphole oxide group and their high optical power limiting performances. Dalton Transactions, 2020, 49, 4967-4976.	3.3	9
20	Analysis of forward approach for upper bounding end-to-end transmission delays over distributed real-time avionics networks. Aeronautical Journal, 2020, 124, 1399-1435.	1.6	0
21	Highly Efficient Deep-Red Organic Light-Emitting Devices Based on Asymmetric Iridium(III) Complexes with the Thianthrene 5,5,10,10-Tetraoxide Moiety. ACS Applied Materials & Interfaces, 2019, 11, 26152-26164.	8.0	52
22	Organic Emitters with a Rigid 9-Phenyl-9-phosphafluorene Oxide Moiety as the Acceptor and Their Thermally Activated Delayed Fluorescence Behavior. ACS Applied Materials & Interfaces, 2019, 11, 27112-27124.	8.0	35
23	Asymmetric thermally activated delayed fluorescence (TADF) emitters with 5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene (OBA) as the acceptor and highly efficient blue-emitting OLEDs. Journal of Materials Chemistry C, 2019, 7, 11953-11963.	5.5	58
24	Aggregation-induced emission triggered by the radiative-transition-switch of a cyclometallated Pt(<scp>ii</scp>) complex. Journal of Materials Chemistry C, 2019, 7, 12552-12559.	5.5	30
25	High performance solution-processed organic yellow light-emitting devices and fluoride ion sensors based on a versatile phosphorescent Ir(<scp>iii</scp>) complex. Materials Chemistry Frontiers, 2019, 3, 376-384.	5.9	17
26	Photophysical properties and optical power limiting ability of Pt(II) polyynes bearing fluorene-type ligands with ethynyl units at different positions. Journal of Organometallic Chemistry, 2019, 895, 28-36.	1.8	7
27	Towards high performance solution-processed orange organic light-emitting devices: precisely-adjusting properties of Ir(<scp>iii</scp>) complexes by reasonably engineering the asymmetric configuration with second functionalized cyclometalating ligands. Journal of Materials Chemistry C, 2019, 7, 8836-8846.	5.5	20
28	Isomers of Coumarin-Based Cyclometalated Ir(III) Complexes with Easily Tuned Phosphorescent Color and Features for Highly Efficient Organic Light-Emitting Diodes. Inorganic Chemistry, 2019, 58, 7393-7408.	4.0	23
29	Novel Emission Colorâ€Tuning Strategies in Heteroleptic Phosphorescent Ir(III) and Pt(II) Complexes. Chemical Record, 2019, 19, 1710-1728.	5.8	29
30	Enhancing Molecular Aggregations by Intermolecular Hydrogen Bonds to Develop Phosphorescent Emitters for Highâ€Performance Nearâ€Infrared OLEDs. Advanced Science, 2019, 6, 1801930.	11.2	78
31	Achieving High-Performance Solution-Processed Orange OLEDs with the Phosphorescent Cyclometalated Trinuclear Pt(II) Complex. ACS Applied Materials & Interfaces, 2018, 10, 10227-10235.	8.0	55
32	Diarylboronâ€Based Asymmetric Redâ€Emitting Ir(III) Complex for Solutionâ€Processed Phosphorescent Organic Lightâ€Emitting Diode with External Quantum Efficiency above 28%. Advanced Science, 2018, 5, 1701067.	11.2	76
33	Cyclometalated Platinum Complexes with Aggregation-Induced Phosphorescence Emission Behavior and Highly Efficient Electroluminescent Ability. Chemistry of Materials, 2018, 30, 929-946.	6.7	64
34	New heterobimetallic Au(<scp>i</scp>)â€“Pt(<scp>ii</scp>) polyynes achieving a good trade-off between transparency and optical power limiting performance. Journal of Materials Chemistry C, 2018, 6, 11416-11426.	5.5	17
35	Novel Au^I polyynes and their high optical power limiting performances both in solution and in prototype devices. Journal of Materials Chemistry C, 2018, 6, 6023-6032.	5.5	28
36	High Efficiency Fluorescent Electroluminescence with Extremely Low Efficiency Rollâ€Off Generated by a Donorâ€“Bianthraceneâ€“Acceptor Structure: Utilizing Perpendicular Twisted Intramolecular Charge Transfer Excited State. Advanced Optical Materials, 2018, 6, 1800060.	7.3	17

#	Article	IF	Citations
37	Asymmetric tris-heteroleptic iridium(<scp>iii</scp>) complexes containing three different 2-phenylpyridine-type ligands: a new strategy for improving the electroluminescence ability of phosphorescent emitters. Journal of Materials Chemistry C, 2018, 6, 9453-9464.	5.5	23
38	Asymmetric Heteroleptic Ir(III) Phosphorescent Complexes with Aromatic Selenide and Selenophene Groups: Synthesis and Photophysical, Electrochemical, and Electrophosphorescent Behaviors. Inorganic Chemistry, 2018, 57, 11027-11043.	4.0	20
39	High Triplet Energy Level Achieved by Tuning the Arrangement of Building Blocks in Phosphorescent Polymer Backbones for Furnishing High Electroluminescent Performances in Both Blue and White Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2017, 9, 16360-16374.	8.0	27
40	Highly efficient electroluminescent Pt^{II} ppy-type complexes with monodentate ligands. Chemical Communications, 2017, 53, 7581-7584.	4.1	31
41	Platinum(<scp>ii</scp>) acetylide complexes with star- and V-shaped configurations possessing good trade-off between optical transparency and optical power limiting performance. Journal of Materials Chemistry C, 2017, 5, 11672-11682.	5.5	18
42	Coordination polymers based on bis-Zn^{II} salphen complexes and functional ditopic ligands for efficient polymer light-emitting diodes (PLEDs). Polymer Chemistry, 2017, 8, 6368-6377.	3.9	9
43	Novel iridium(<scp>iii</scp>) complexes bearing dimesitylboron groups with nearly 100% phosphorescent quantum yields for highly efficient organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 7871-7883.	5.5	49
44	Homoleptic thiazole-based Ir^{III} phosphorescent complexes for achieving both high EL efficiencies and an optimized trade-off among the key parameters of solution-processed WOLEDs. Journal of Materials Chemistry C, 2017, 5, 208-219.	5.5	21
45	Optimized trade-offs between triplet emission and transparency in Pt(ii) acetylides through phenylsulfonyl units for achieving good optical power limiting performance. Journal of Materials Chemistry C, 2016, 4, 5626-5633.	5.5	23
46	Pyrimidine-Based Mononuclear and Dinuclear Iridium(III) Complexes for High Performance Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 33874-33887.	8.0	53
47	Asymmetric tris-Heteroleptic Iridium^{III} Complexes Containing a 9-Phenyl-9-phosphafluorene Oxide Moiety with Enhanced Charge Carrier Injection/Transporting Properties for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 8556-8569.	6.7	58
48	Photophysical and optical power limiting behaviors of Au(I) acetylides with diethynyl aromatic ligands showing different electronic features. Journal of Organometallic Chemistry, 2016, 804, 80-86.	1.8	14
49	From Mononuclear to Dinuclear Iridium(III) Complex: Effective Tuning of the Optoelectronic Characteristics for Organic Light-Emitting Diodes. Inorganic Chemistry, 2016, 55, 1720-1727.	4.0	127
50	Managing Charge and Exciton Transporting Behavior in White Organic Lightâ€Emitting Devices for High Power Efficiency and Superior Color Stability. Advanced Electronic Materials, 2015, 1, 1400040.	5.1	6
51	trisâ€Heteroleptic Cyclometalated Iridium(III) Complexes with Ambipolar or Electron Injection/Transport Features for Highly Efficient Electrophosphorescent Devices. Chemistry - an Asian Journal, 2015, 10, 252-262.	3.3	53
52	Enhancing the electroluminescence performances of novel platinum(ii) polymetallayne-based phosphorescent polymers through employing functionalized IrIII phosphorescent units and facilitating triplet energy transfer. RSC Advances, 2015, 5, 12100-12110.	3.6	11
53	Recent Advances in Solutionâ€Processable Dendrimers for Highly Efficient Phosphorescent Organic Lightâ€Emitting Diodes (PHOLEDs). Asian Journal of Organic Chemistry, 2015, 4, 394-429.	2.7	105
54	Functionalization of phosphorescent emitters and their host materials by main-group elements for phosphorescent organic light-emitting devices. Chemical Society Reviews, 2015, 44, 8484-8575.	38.1	752

#	Article	IF	Citations
55	Facilitating triplet energy-transfer in polymetallayne-based phosphorescent polymers with iridium(III) units and the great potential in achieving high electroluminescent performances. Journal of Organometallic Chemistry, 2015, 794, 1-10.	1.8	11
56	Effective blocking of the molecular aggregation of novel truxene-based emitters with spirobifluorene and electron-donating moieties for furnishing highly efficient non-doped blue-emitting OLEDs. Journal of Materials Chemistry C, 2015, 3, 5783-5794.	5.5	41
57	Platinum(ii) polymetallayne-based phosphorescent polymers with enhanced triplet energy-transfer: synthesis, photophysical, electrochemistry, and electrophosphorescent investigation. RSC Advances, 2015, 5, 36507-36519.	3.6	20
58	Synthesis of 2,2â€²-biimidazole-based platinum(<scp>ii</scp>) polymetallaynes and tuning their fluorescent response behaviors to Cu²⁺ ions through optimizing the configuration of the organic spacers and steric effect. RSC Advances, 2015, 5, 88758-88766.	3.6	8
59	Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. ACS Applied Materials & Interfaces, 2015, 7, 24703-24714.	8.0	57
60	Recent advances of the emitters for high performance deep-blue organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 913-944.	5.5	492
61	A Nonâ€Doped Phosphorescent Organic Lightâ€Emitting Device with Above 31% External Quantum Efficiency. Advanced Materials, 2014, 26, 8107-8113.	21.0	146
62	Phosphorescent Platinum(II) Complexes Bearing 2-Vinylpyridine-type Ligands: Synthesis, Electrochemical and Photophysical Properties, and Tuning of Electrophosphorescent Behavior by Main-Group Moieties. Inorganic Chemistry, 2014, 53, 12986-13000.	4.0	34
63	Recent design tactics for high performance white polymer light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 1760.	5.5	247
64	Trifunctional IrIII ppy-type asymmetric phosphorescent emitters with ambipolar features for highly efficient electroluminescent devices. Chemical Communications, 2014, 50, 2473.	4.1	78
65	Novel phosphorescent polymers containing both ambipolar segments and functionalized Ir^{III}phosphorescent moieties: synthesis, photophysical, redox, and electrophosphorescence investigation. Journal of Materials Chemistry C, 2014, 2, 9523-9535.	5.5	17
66	Tris(cyclometalated) Iridium(III) Phosphorescent Complexes with 2â€Phenylthiazoleâ€Type Ligands: Synthesis, Photophysical, Redox and Electrophosphorescent Behavior. European Journal of Inorganic Chemistry, 2013, 2013, 4754-4763.	2.0	21
67	Dynamic dual stage phosphorescence chromatic change in a diborylated iridium phosphor for fluoride ion sensing with concentration discriminating capability. RSC Advances, 2013, 3, 6553.	3.6	35
68	Effective phosphorescence quenching in borylated Pt^{II}ppy-type phosphors and their application as I^{â^'}ion sensors in aqueous medium. Chemical Communications, 2013, 49, 4406-4408.	4.1	32
69	Versatile phosphorescent color tuning of highly efficient borylated iridium(iii) cyclometalates by manipulating the electron-accepting capacity of the dimesitylboron group. Journal of Materials Chemistry C, 2013, 1, 3317.	5.5	70
70	Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. Journal of Materials Chemistry, 2012, 22, 7136.	6.7	64
71	Simple Tuning of the Optoelectronic Properties of Ir^{III} and Pt^{II} Electrophosphors Based on Linkage Isomer Formation with a Naphthylthiazolyl Moiety. European Journal of Inorganic Chemistry, 2012, 2012, 2278-2288.	2.0	28
72	New Design Tactics in OLEDs Using Functionalized 2â€Phenylpyridineâ€Type Cyclometalates of Iridium(III) and Platinum(II). Chemistry - an Asian Journal, 2011, 6, 1706-1727.	3.3	353

#	Article	IF	Citations
73	Inside Cover: New Design Tactics in OLEDs Using Functionalized 2-Phenylpyridine-Type Cyclometalates of Iridium(III) and Platinum(II) (Chem. Asian J. 7/2011). Chemistry - an Asian Journal, 2011, 6, 1630-1630.	3.3	3