Yuanhui Sun

List of Publications by Year
in descending order

34 papers	1,031 citations	430874 18 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1675 citing authors

#	Article	IF	Citations
1	Flexible nâ€Type Highâ€Performance Thermoelectric Thin Films of Poly(nickelâ€ethylenetetrathiolate) Prepared by an Electrochemical Method. Advanced Materials, 2016, 28, 3351-3358.	21.0	206
2	Thiophene-Diketopyrrolopyrrole-Based Quinoidal Small Molecules as Solution-Processable and Air-Stable Organic Semiconductors: Tuning of the Length and Branching Position of the Alkyl Side Chain toward a High-Performance n-Channel Organic Field-Effect Transistor. ACS Applied Materials & Interfaces, 2015, 7, 15978-15987.	8.0	93
3	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
4	Asymmetric thermally activated delayed fluorescence (TADF) emitters with 5,9-dioxa-13<i>b</i>-boranaphtho[3,2,1-<i>de</i>]anthracene (OBA) as the acceptor and highly efficient blue-emitting OLEDs. Journal of Materials Chemistry C, 2019, 7, 11953-11963.	5.5	58
5	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
6	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
7	A dopant-free twisted organic small-molecule hole transport material for inverted planar perovskite solar cells with enhanced efficiency and operational stability. Nano Energy, 2019, 64, 103946.	16.0	49
8	Thieno[3,2â€<i>b</i>]thiopheneâ€Diketopyrrolopyrroleâ€Based Quinoidal Small Molecules: Synthesis, Characterization, Redox Behavior, and nâ€Channel Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2014, 20, 13755-13761.	3.3	37
9	Single-bundle nanofiber based OFETs fabricated from a cyclic conjugated organogelator with high field-effect mobility and high photoresponsivity. Chemical Communications, 2015, 51, 12182-12184.	4.1	34
10	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
11	Novel Emission Colorâ€Tuning Strategies in Heteroleptic Phosphorescent Ir(III) and Pt(II) Complexes. Chemical Record, 2019, 19, 1710-1728.	5.8	29
12	Flexible unipolar thermoelectric devices based on patterned poly[K_x(Ni-ethylenetetrathiolate)] thin films. Materials Chemistry Frontiers, 2017, 1, 2111-2116.	5.9	28
13	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
14	n-Type thermoelectric materials based on CuTCNQ nanocrystals and CuTCNQ nanorod arrays. Journal of Materials Chemistry A, 2015, 3, 2677-2683.	10.3	25
15	Optimization of the thermoelectric properties of poly(nickel-ethylenetetrathiolate) synthesized via potentiostatic deposition. Science China Chemistry, 2016, 59, 1323-1329.	8.2	25
16	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
17	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
18	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

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19	Donorâ€“acceptor co-assembled supramolecular nanofibers with high and well-balanced ambipolar charge transport properties under ambient conditions. Chemical Communications, 2016, 52, 4648-4651.	4.1	18
20	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
21	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
22	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
23	Unsymmetric 2-phenylpyridine (ppy)-type cyclometalated Ir(<scp>iii</scp>) complexes bearing both 5,9-dioxa-13<i>b</i>-boranaphtho[3,2,1-<i>de</i>]anthracene and phenylsulfonyl groups for tuning optoelectronic properties and electroluminescence abilities. Inorganic Chemistry Frontiers, 2020, 7, 1651-1666.	6.0	9
24	Iridium(<scp>iii</scp>) complexes with the dithieno[3,2-<i>b</i>:2â€²,3â€²-<i>d</i>]phosphole oxide group and their high optical power limiting performances. Dalton Transactions, 2020, 49, 4967-4976.	3.3	9
25	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
26	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
27	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
28	The highly conducting carbon electrodes derived from spin-coated polyacrylonitrile films. Science China Chemistry, 2016, 59, 672-678.	8.2	7
29	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
30	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
31	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
32	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
33	Phosphorescent cyanide sensor based on a 2-phenylpyridine(ppy)-type cyclometalated Ir(III) complex bearing dimesitylboron group with concentration distinguishing ability. Journal of Organometallic Chemistry, 2020, 917, 121274.	1.8	2
34	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