

Jinshan Wang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Chitosanâ€“gold nanoparticles as peroxidase mimic and their application in glucose detection in serum. RSC Advances, 2017, 7, 44463-44469.	3.6	74
2	Fluorescent Organic Nanoparticles with Enhanced Fluorescence by Self-Aggregation and their Application to Cellular Imaging. ACS Applied Materials & Interfaces, 2014, 6, 18337-18343.	8.0	56
3	Construction of novel cellulose/chitosan composite hydrogels and films and their applications. Cellulose, 2018, 25, 1987-1996.	4.9	45
4	Low-Temperature, Solution-Processed Hole Selective Layers for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 1100-1107.	8.0	43
5	Fluorescent Organic Nanoparticles Based on Branched Small Molecule: Preparation and Ion Detection in Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2013, 5, 3392-3400.	8.0	37
6	Elucidating the key role of fluorine in improving the charge mobility of electron acceptors for non-fullerene organic solar cells by multiscale simulations. Journal of Materials Chemistry C, 2018, 6, 4912-4918.	5.5	35
7	Fluorescence Resonance Energy Transfer in a Binary Organic Nanoparticle System and Its Application. ACS Applied Materials & Interfaces, 2015, 7, 8243-8250.	8.0	30
8	Solution-processed aggregation-induced delayed fluorescence (AIDF) emitters based on strong π -accepting triazine cores for highly efficient nondoped OLEDs with low efficiency roll-off. Organic Electronics, 2019, 65, 170-178.	2.6	30
9	Effective Design Strategy for Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence Emitters Achieving 18% External Quantum Efficiency Pure-Blue OLEDs with Extremely Low Roll-Off. ACS Applied Materials & Interfaces, 2021, 13, 57713-57724.	8.0	30
10	A novel blue fluorescent polymer for solution-processed fluorescentâ€“phosphorescent hybrid WOLEDs. Journal of Materials Chemistry C, 2015, 3, 2856-2864.	5.5	29
11	Colorimetric Detection of Hg^{2+} Based on Enhancement of Peroxidase-like Activity of Chitosanâ€“Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2018, 39, 625-630.	1.9	28
12	Elucidating the Key Role of the Cyano ($\text{C}\equiv\text{N}$) Group to Construct Environmentally Friendly Fused-Ring Electron Acceptors. Journal of Physical Chemistry C, 2020, 124, 23059-23068.	3.1	28
13	Biocompatible and biodegradable chitosan/sodium polyacrylate polyelectrolyte complex hydrogels with smart responsiveness. International Journal of Biological Macromolecules, 2020, 155, 1245-1251.	7.5	26
14	Improved efficiency in polymer light-emitting diodes using metal-enhanced fluorescence. Applied Physics Letters, 2014, 105, .	3.3	25
15	Ge-based bipolar small molecular host for highly efficient blue OLEDs: multiscale simulation of charge transport. Journal of Materials Chemistry C, 2018, 6, 6146-6152.	5.5	23
16	Quad-rotor-shaped non-fullerene electron acceptor materials with potential to enhance the photoelectric performance of organic solar cells. Journal of Materials Chemistry A, 2019, 7, 18150-18157.	10.3	23
17	Ultrapure deep-blue aggregation-induced emission and thermally activated delayed fluorescence emitters for efficient OLEDs with $\text{CIE}_{y/l}$ ≤ 0.1 and low efficiency roll-offs. Journal of Materials Chemistry C, 2022, 10, 3163-3171.	5.5	22
18	Exploring the application of conjugated polymer nanoparticles in chemical sensing: detection of free radicals by a synergy between fluorescent nanoparticles of two conjugated polymers. Journal of Materials Chemistry, 2011, 21, 18696.	6.7	21

#	ARTICLE	IF	CITATIONS
19	Obtaining highly efficient single-emissive-layer orange and two-element white organic light-emitting diodes by the solution process. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5036.	5.5	21
20	Carbazole-dendrite-encapsulated electron acceptor core for constructing thermally activated delayed fluorescence emitters used in nondoped solution-processed organic light-emitting diodes. <i>Organic Electronics</i> , 2017, 48, 262-270.	2.6	20
21	Solution processed blue phosphorescent organic light emitting diodes using a Ge-based small molecular host. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5017-5025.	5.5	16
22	An air-stable microwire radial heterojunction with high photoconductivity based on a new building block. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5933-5939.	5.5	14
23	Design, synthesis and characterization of a new blue phosphorescent Ir complex. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8675-8683.	5.5	14
24	Solution-processed oxadiazole-based electron-transporting layer for white organic light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 36568-36574.	3.6	14
25	N-doped CsTi ₂ NbO ₇ @g-C ₃ N ₄ core-shell nanobelts with enhanced visible light photocatalytic activity. <i>Materials Letters</i> , 2018, 217, 235-238.	2.6	14
26	V ₂ CT _x MXene Artificial Solid Electrolyte Interphases toward Dendrite-Free Lithium Metal Anodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9961-9969.	6.7	13
27	Self-host blue-emitting iridium dendrimer for solution-processed non-doped phosphorescent organic light-emitting diodes with flat efficiency roll-off and less phase segregation. <i>Organic Electronics</i> , 2017, 45, 49-56.	2.6	12
28	Solution-Processed White Organic Light-Emitting Diodes with Enhanced Efficiency by Using Quaternary Ammonium Salt Doped Conjugated Polyelectrolyte. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8631-8638.	8.0	11
29	Larger V_H (Hole Distribution Volume)/ V_M (Molecular Volume) Induced Higher Charge Mobility of Group IVA Element-Based Host Materials for Potentially Highly Efficient Blue OLEDs. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22273-22279.	3.1	11
30	Polypyrrole Nanotube Sponge Host for Stable Lithium-Metal Batteries under Lean Electrolyte Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2543-2551.	6.7	11
31	Research Progress in the Multilayer Hydrogels. <i>Gels</i> , 2021, 7, 172.	4.5	10
32	Organic-inorganic hybrid nanoparticles with enhanced fluorescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 38-44.	4.7	9
33	Highly efficient blue, orange and red PhOLEDs with low roll-off of efficiency using a carbazole dendritic thermally activated delayed fluorescence (TADF) material as host. <i>Materials Letters</i> , 2018, 233, 149-152.	2.6	9
34	Synthesis, characterization, and application of a novel orange-red iridium(III) phosphor for solution-processed single emissive layer white organic light-emitting diodes. <i>Synthetic Metals</i> , 2014, 197, 90-98.	3.9	8
35	High triplet, bipolar polymeric hosts for highly efficient solution-processed blue phosphorescent polymer light-emitting diodes. <i>Organic Electronics</i> , 2017, 43, 1-8.	2.6	8
36	Ultralight PEDOT Functionalized Separators toward High-Performance Lithium Metal Anodes. <i>ChemElectroChem</i> , 2021, 8, 2836-2845.	3.4	8

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37	Non-fullerene electron acceptors constructed by four strong electron-withdrawing end groups: Potential to improve the photoelectric performance of organic solar cells by theoretical investigations. <i>Dyes and Pigments</i> , 2020, 181, 108542.	3.7	7
38	Solution-processed aggregation-induced emission molecule for highly efficient non-doped OLEDs with negligible efficiency roll-off. <i>Materials Letters</i> , 2018, 222, 66-69.	2.6	6
39	Not All Bis[2-(4,6-difluorophenyl)pyridyl- <i>N</i>], <i>C</i>]iridium(III) Picolinate (Flrpic) Isomers Are Unsuitable for Developing Long-Lifetime Blue Phosphorescent Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 227-232.	3.1	6
40	Replacing the cyano ($\text{C}\equiv\text{N}$) group to design environmentally friendly fused-ring electron acceptors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18085-18092.	2.8	5
41	Machine learning with quantum chemistry descriptors: predicting the solubility of small-molecule optoelectronic materials for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15999-16006.	10.3	5
42	Nanocomposite of Ni-Ti layered double hydroxide and graphene for enhanced visible light photocatalysis. <i>Micro and Nano Letters</i> , 2018, 13, 127-130.	1.3	3
43	Functionalizing triptycene to create 3D high-performance non-fullerene acceptors. <i>RSC Advances</i> , 2020, 10, 12004-12012.	3.6	3
44	Dendritic Self-Host Phosphorescent Iridium Materials for High-Efficiency Organic Light-Emitting Diodes. <i>Current Organic Chemistry</i> , 2018, 22, 590-599.	1.6	2