

# Zhenghuan Lin

## List of Publications by Year in descending order

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64  
papers

1,825  
citations

201674

27  
h-index

289244

40  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Donor-acceptor Type Polymer Bearing Carbazole Side Chain for Efficient Dopant-free Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, 2102697.	19.5	51
2	Light/Force-sensitive OD Lead-free Perovskites: From Highly Efficient Blue Afterglow to White Phosphorescence with Near-unity Quantum Efficiency. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	85
3	Light/Force-sensitive OD Lead-free Perovskites: From Highly Efficient Blue Afterglow to White Phosphorescence with Near-unity Quantum Efficiency. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	15
4	Greatness in Simplicity: Efficient Red Room-Temperature Phosphorescence from Simple Halogenated Maleimides with a 2D Layered Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14703-14711.	8.0	15
5	Multimode stimuli responsive dual-state organic room temperature phosphorescence from a phenanthrene derivative. <i>Chemical Engineering Journal</i> , 2022, 444, 136629.	12.7	32
6	Cluster-luminescent polysiloxane nanomaterials: adjustable full-color ultralong room temperature phosphorescence and a highly sensitive response to silver ions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3619-3626.	6.0	12
7	Nearly Unity Quantum Yield Persistent Room-temperature Phosphorescence from Heavy Atom-free Rigid Inorganic/Organic Hybrid Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	41
8	Highly efficient white emission from UV-driven hybrid LEDs through down-conversion of arylmaleimide-based branched polymers. <i>Journal of Luminescence</i> , 2021, 230, 117742.	3.1	7
9	Multicolor Output from 2D Hybrid Perovskites with Wide Band Gap: Highly Efficient White Emission, Dual-Color Afterglow, and Switch between Fluorescence and Phosphorescence. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1040-1045.	4.6	31
10	Highly emissive fused diarylmaleimides synthesized by a cascade reaction of selective bromination and visible-light-driven cyclization. <i>Dyes and Pigments</i> , 2021, 187, 109113.	3.7	10
11	Dithienylmaleimide-based D-A Conjugated Polymer Film: Photo-Responsive Behavior and Application in Electrical Memory and Logic Gates. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1177-1184.	3.8	6
12	Tuning Organic Room-temperature Phosphorescence through the Confinement Effect of Inorganic Micro/Nanostructures. <i>Small Structures</i> , 2021, 2, 2100044.	12.0	43
13	Space conjugation induced white light and room-temperature phosphorescence from simple organic small molecules: single-component WLED driven by both UV and blue chips. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6960-6968.	5.9	20
14	A metal-free 2D layered organic ammonium halide framework realizing full-color persistent room-temperature phosphorescence. <i>Chemical Science</i> , 2021, 12, 14451-14458.	7.4	29
15	Highly efficient solid-state emission of diphenylfumaronitriles with full-color AIE, and application in explosive sensing, data storage and WLEDs. <i>Dyes and Pigments</i> , 2020, 172, 107829.	3.7	35
16	Dopant-free, Donor-acceptor Type Polymeric Hole-transporting Materials for the Perovskite Solar Cells with Power Conversion Efficiencies over 20%. <i>Advanced Energy Materials</i> , 2020, 10, 1903146.	19.5	74
17	Highly Efficient Organic Afterglow from a 2D Layered Lead-free Metal Halide in Both Crystals and Thin Films under an Air Atmosphere. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1419-1426.	8.0	48
18	Dynamic dual spectral response on different cations by regulating PET and LMCT process of a simple luminescent sensor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 401, 112775.	3.9	7

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19	Donor-acceptor Type Polymers Containing Fused-Ring Units as Dopant-Free, Hole-Transporting Materials for High-Performance Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 12475-12483.	5.1	15
20	Highly-efficient and stable warm white emission from perovskite/silica composites with photoactivated luminescence enhancement. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12623-12631.	5.5	10
21	Regulation of clusterization-triggered phosphorescence from a non-conjugated amorphous polymer: a platform for colorful afterglow. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1198-1205.	5.9	68
22	Ultrastable and colorful afterglow from organic luminophores in amorphous nanocomposites: advanced anti-counterfeiting and in vivo imaging application. <i>Nano Research</i> , 2020, 13, 1035-1043.	10.4	42
23	Photo-induced phosphorescence and mechanoluminescence switching in a simple purely organic molecule. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2530-2534.	5.5	63
24	Metal ion-induced coordination and cyclization of crown ether-based bisindolylmaleimides: different fluorescence responses and applications in complex logical operations. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13904-13911.	5.5	8
25	Perylene Diimide-Based Electron-Transporting Material for Perovskite Solar Cells with Undoped Poly(3-hexylthiophene) as Hole-Transporting Material. <i>ChemSusChem</i> , 2019, 12, 1155-1161.	6.8	31
26	High Color Rendering Index White-Light Emission from UV-Driven LEDs Based on Single Luminescent Materials: Two-Dimensional Perovskites (C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>4</sub> NH <sub>3</sub> ) <sub>2</sub> PbBr <sub>x</sub> Cl <sub>4-x</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15980-15987.	8.0	75
27	Highly efficient white electroluminescence from dual-core star-shaped single polymer: performance improved by changing the non-emissive core. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4318-4324.	5.5	8
28	Diarylmaleimide-based branched oligomers: strong full-color emission in both solution and solid films. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 130-139.	2.8	13
29	Large Changes in Fluorescent Color and Intensity of Symmetrically Substituted Arylmaleimides Caused by Subtle Structure Modifications. <i>Chemistry - A European Journal</i> , 2018, 24, 322-326.	3.3	41
30	Highly efficient room-temperature phosphorescence and afterglow luminescence from common organic fluorophores in 2D hybrid perovskites. <i>Chemical Science</i> , 2018, 9, 8975-8981.	7.4	119
31	Solvent-dependent and highly selective anion sensing and molecular logic application of bisindolylmaleimide derivatives. <i>RSC Advances</i> , 2017, 7, 12161-12169.	3.6	15
32	Diarylmaleic anhydrides: unusual organic luminescence, multi-stimuli response and photochromism. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2135-2141.	5.5	65
33	A facile one-pot synthesis of hyper-branched carbazole-based polymer as a hole-transporting material for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6613-6621.	10.3	42
34	Dual-core star-shaped single white polymers: the effect of host structure on luminescence properties. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12642-12646.	2.8	7
35	Single white polymers based on simple diarylmaleimides: Polymeric structure and electroluminescent properties. <i>Synthetic Metals</i> , 2017, 230, 18-26.	3.9	7
36	Poly(ethylene glycol)- and glucopyranoside-substituted N-heterocyclic carbene precursors for the synthesis of arylfluorene derivatives using efficient palladium-catalyzed aqueous Suzuki reaction. <i>Applied Organometallic Chemistry</i> , 2016, 30, 924-931.	3.5	18

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37	Diarylmaleimide fluorophores: intensely emissive low-band-gap guest for single white polymers with highly efficient electroluminescence. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9804-9812.	5.5	15
38	Highly reproducible and photocurrent hysteresis-less planar perovskite solar cells with a modified solvent annealing method. <i>Solar Energy</i> , 2016, 136, 210-216.	6.1	16
39	Carbazole-based diphenyl maleimides: Multi-functional smart fluorescent materials for data process and sensing for pressure, explosive and pH. <i>Dyes and Pigments</i> , 2016, 133, 345-353.	3.7	34
40	White light-emitting devices based on star-shape like polymers with diarylmaleimide fluorophores on the side chain of polyfluorene arms. <i>Organic Electronics</i> , 2016, 31, 183-190.	2.6	21
41	A $\beta$ -shaped donor-acceptor-donor molecule with AIEE and CIEE activity and sequential logic gate behaviour. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7267-7271.	5.5	65
42	Strong CIE activity, multi-stimuli-responsive fluorescence and data storage application of new diphenyl maleimide derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10242-10248.	5.5	58
43	Amide-based diarylmaleimide derivatives and polymers: Highly selective and ratiometric fluorescence sensing for anions. <i>Dyes and Pigments</i> , 2015, 113, 129-137.	3.7	32
44	Polymorphism-dependent fluorescence of bithienylmaleimide with different responses to mechanical crushing and grinding pressure. <i>CrystEngComm</i> , 2014, 16, 11018-11026.	2.6	52
45	A new kind of porous hybridized nanocomposite: $\gamma$ -sulfonic-perfluoroalkylated polyalkoxysilane/silica. <i>Journal of Porous Materials</i> , 2013, 20, 851-858.	2.6	1
46	Catalysis Studies of Macroreticular Polystyrene Cation-exchange Resin with Terminal Perfluoroalkanesulfonic Acids. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 261-266.	1.4	3
47	White-light hydrothermal-like compound emission from the incorporation of red-, green-, and blue-emitting metal complexes. <i>Optical Materials Express</i> , 2013, 3, 105.	3.0	13
48	Twisted bimesitylene-based oxadiazoles as novel host materials for phosphorescent OLEDs. <i>Tetrahedron</i> , 2012, 68, 7502-7508.	1.9	27
49	Synthesis, photophysics, and photovoltaic properties of low-band gap conjugated polymers based on thieno[3,4-c]pyrrole-4,6-dione: a combined experimental and computational study. <i>RSC Advances</i> , 2012, 2, 642-651.	3.6	31
50	$\gamma$ -Sulfonic-perfluoroalkylated poly(styrene-maleic anhydride)/silica hybridized nanocomposite as a new kind of solid acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2012, 365, 73-79.	4.8	5
51	Luminescent drug-containing hydrothermal-like compound as a drug carrier. <i>Chemical Engineering Journal</i> , 2012, 185-186, 358-365.	12.7	7
52	Low Band Gap Star-Shaped Molecules Based on Benzothia(oxa)diazole for Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15097-15108.	3.1	22
53	Asymmetric indolylmaleimides as non-dopant type red color emitting dyes. <i>Organic Electronics</i> , 2010, 11, 604-612.	2.6	23
54	Nondoped Pure-Blue OLEDs Based on Amorphous Phenylenevinylene-Functionalized Twisted Bimesitylenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 2599-2609.	3.2	45

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55	White Light-Emitting Devices Based on Star-Shape Polymers with a Bisindolylmaleimide Core. <i>Macromolecules</i> , 2010, 43, 5925-5931.	4.8	48
56	Bifunctional maleimide dyes as selective anion sensors. <i>Tetrahedron</i> , 2009, 65, 5216-5221.	1.9	29
57	White light-emitting devices with a single emitting layer based on bisindolylmaleimide fluorophores. <i>Journal of Materials Chemistry</i> , 2009, 19, 5141.	6.7	21
58	A new type of hybridized macroreticular catalyst: Polystyrene with both perfluoroalkanesulfonic and sulfonic functional groups. <i>Catalysis Communications</i> , 2007, 8, 31-35.	3.3	12
59	Synthesis of macroreticular p-( $\beta$ -sulfonic-perfluoroalkylated)polystyrene ion-exchange resin and its application as solid acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 19-26.	4.8	21
60	Synthesis and characterization of fluorinated ionomer p-perfluoro-[1-(2-sulfonic)ethoxy]ethylated polyacrylonitrile-styrene. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 1036-1041.	1.7	4
61	"Magic blue" subtle reagent for EPR studies on H-abstraction from various substrates. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 515-520.	1.9	1
62	EPR studies on H-abstractions/spin-trapping reactions of new 'magic blue' reagents with alcohols. <i>Research on Chemical Intermediates</i> , 2005, 31, 867-873.	2.7	0
63	Macroreticular p-( $\beta$ -sulfonic-perfluoroalkylated) polystyrene ion-exchange resins: a new type of selective solid acid catalyst. <i>Chemical Communications</i> , 2005, , 3556.	4.1	11
64	Nearly Unity Quantum Yield Persistent Room Temperature Phosphorescence from Heavy Atom-Free Rigid Inorganic/Organic Hybrid Frameworks. <i>Angewandte Chemie</i> , 0, , .	2.0	0