

# Hongyu Wang

## List of Publications by Year in descending order

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48  
papers

1,025  
citations

430874

18  
h-index

454955

30  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1457  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 9,9- <i>spiro</i> [9H-fluorene]-cored perylene <i>diimide</i> derivative and its application in organic solar cells as a non-fullerene acceptor. <i>Chemical Communications</i> , 2016, 52, 1649-1652.	4.1	97
2	Removal of Organic Micropollutants from Water by Macrocyclic-Containing Covalent Polymer Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23402-23412.	13.8	78
3	Calix[4]pyrrole-Crosslinked Porous Polymeric Networks for the Removal of Micropollutants from Water. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7188-7196.	13.8	69
4	Calix[4]pyrrole-based Crosslinked Polymer Networks for Highly Effective Iodine Adsorption from Water. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	67
5	Topological Arrangement of Fluorenyl-Substituted Carbazole Triads and Starbursts: Synthesis and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6961-6967.	3.1	65
6	The Role of Additive in Diketopyrrolopyrrole-Based Small Molecular Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 6519-6525.	21.0	59
7	Diketopyrrolopyrrole-based fluorescence probes for the imaging of lysosomal Zn <sup>2+</sup> and identification of prostate cancer in human tissue. <i>Chemical Science</i> , 2019, 10, 5699-5704.	7.4	54
8	Cruciform <i>p</i> -diblock conjugated oligomers for electroluminescent applications. <i>New Journal of Chemistry</i> , 2006, 30, 667-670.	2.8	33
9	Fluorescence <i>turn-on</i> -metal ion sensors based on switching of intramolecular charge transfer of donor-acceptor systems. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 798-805.	7.8	31
10	Improving the Fill Factor of Perovskite Solar Cells by Employing an Amine-tethered Diketopyrrolopyrrole-Based Polymer as the Dopant-free Hole Transport Layer. <i>ACS Applied Energy Materials</i> , 2020, 3, 9600-9609.	5.1	26
11	Synthesis of grafted poly( <i>p</i> -phenyleneethynylene) with energy donor-acceptor architecture via atom transfer radical polymerization: Towards nonaggregating and hole-facilitating light-emitting material. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3776-3787.	2.3	25
12	A diketopyrrolopyrrole-based fluorescent probe for investigating mitochondrial zinc ions. <i>New Journal of Chemistry</i> , 2018, 42, 3493-3502.	2.8	25
13	Monodisperse star-shaped compound and its blend in uncapped polyfluorene matrices as the active materials for high-performance pure blue light-emitting devices. <i>Applied Physics Letters</i> , 2007, 90, 141909.	3.3	20
14	Spectrum-stable hyperbranched polyfluorene with photocrosslinkable group. <i>Polymer</i> , 2007, 48, 4412-4418.	3.8	20
15	Optical properties of Nd(TTA) <sub>3</sub> (TPPO) <sub>2</sub> doped polymer and its potential laser application. <i>Optical Materials</i> , 2008, 30, 1531-1537.	3.6	20
16	Structural modification of thieno[3,4- <i>c</i> ]pyrrole-4,6-dione: structure-property relationships and application in solution-processed small-molecule organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5875.	10.3	20
17	Influence of <i>para</i> -alkyl chain length of the bay-phenyl unit on properties and photovoltaic performance of asymmetrical perylene <i>diimide</i> derivatives. <i>Dyes and Pigments</i> , 2016, 126, 86-95.	3.7	19
18	Human drug efflux transporter ABCB5 confers acquired resistance to pemetrexed in breast cancer. <i>Cancer Cell International</i> , 2021, 21, 136.	4.1	18

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19	Fluorescent Supramolecular Organic Frameworks Constructed by Amidinium–Carboxylate Salt Bridges. <i>Chemistry - A European Journal</i> , 2021, 27, 15006-15012.	3.3	18
20	Synthesis and characterization of cross-shaped $\pi$ - $\pi$ diblock oligomers. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1066-1073.	2.3	17
21	Ethynylene-linked benzo[1,2-b:4,5-b <sup>2</sup> ]dithiophene-alt-diketopyrrolopyrrole alternating copolymer: optoelectronic properties, film morphology and photovoltaic applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12972-12981.	10.3	17
22	Synthesis of fluorinated diphenyl-diketopyrrolopyrrole derivatives as new building blocks for conjugated copolymers. <i>Polymer Chemistry</i> , 2016, 7, 3311-3324.	3.9	17
23	AAAA–DDDD Quadruple H-Bond-Assisted Ionic Interactions: Robust Bis(guanidinium)/Dicarboxylate Heteroduplexes in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 20146-20154.	13.7	17
24	Rod-like pyrene–perylene bisimide molecular triads: Synthesis and photophysical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 211, 115-122.	3.9	14
25	Perylenediimide derivatives based on a dendritic oligothiophene core as electron acceptor for use in polymer solar cells. <i>Dyes and Pigments</i> , 2017, 139, 498-508.	3.7	14
26	Molecular geometry regulation of bay -phenyl substituted perylenediimide derivatives with bulky alkyl chain for use in organic solar cells as the electron acceptor. <i>Dyes and Pigments</i> , 2017, 136, 335-346.	3.7	14
27	A novel fluorescent probe for the early detection of prostate cancer based on endogenous zinc sensing. <i>Prostate</i> , 2019, 79, 1406-1413.	2.3	13
28	Calix[4]pyrrole–Crosslinked Porous Polymeric Networks for the Removal of Micropollutants from Water. <i>Angewandte Chemie</i> , 2021, 133, 7264-7272.	2.0	13
29	Removal of Organic Micropollutants from Water by Macrocyclic–Containing Covalent Polymer Networks. <i>Angewandte Chemie</i> , 2020, 132, 23608-23618.	2.0	11
30	Stable and good color purity white light-emitting devices based on random fluorene/spirofluorene copolymers doped with iridium complex. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 180-188.	2.1	10
31	Guanidinium-dendronized perylene bisimides as stable, water-soluble fluorophores for live-cell imaging. <i>New Journal of Chemistry</i> , 2013, 37, 2983.	2.8	10
32	Calix[4]pyrrole–based Crosslinked Polymer Networks for Highly Efficient Iodine Adsorption from Water. <i>Angewandte Chemie</i> , 0, , .	2.0	10
33	New $\pi$ - $\pi$ diblock and triblock oligomers: effective tuning of HOMO/LUMO energy levels. <i>Tetrahedron Letters</i> , 2006, 47, 2829-2833.	1.4	9
34	Copolymerization of 3,3'-di- $\pi$ -didodecylquaterthiophene with fluorene and silole units: improving photovoltaic performance by tuning energy levels. <i>Polymer Chemistry</i> , 2012, 3, 2794.	3.9	9
35	Amidinium–carboxylate salt bridge mediated proton-coupled electron transfer in a donor–acceptor supramolecular system. <i>Organic Chemistry Frontiers</i> , 2019, 6, 584-590.	4.5	9
36	Novel oligomers based on fluorene and 2,4-difluorobenzene: Correlation between the structures and optical properties. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4346-4353.	2.3	8

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37	Fluorinated dithienyl-diketopyrrolopyrrole: a new building block for organic optoelectronic materials. <i>New Journal of Chemistry</i> , 2019, 43, 16411-16420.	2.8	8
38	Two novel oligomers based on fluorene and pyridine: Correlation between the structures and optoelectronic properties. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1548-1558.	2.3	7
39	Synthesis and optoelectronic characterization of poly(fluorenylethynylene)s containing perylene bisimide moiety in the backbone. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1932-1938.	2.1	6
40	Electroluminescence performance of organic light-emitting devices with KCl inside hole transport layer. <i>Journal of Luminescence</i> , 2009, 129, 1390-1392.	3.1	5
41	Solution-processable Platinum-acetylide-based Small Molecular Bulk Heterojunction Solar Cells. <i>Chinese Journal of Chemistry</i> , 2015, 33, 917-924.	4.9	5
42	Vinazene end-capped acceptor-donor-acceptor type small molecule for solution-processed organic solar cells. <i>Organic Electronics</i> , 2017, 44, 11-19.	2.6	5
43	Phthalimide and Naphthalimide end-capped Diketopyrrolopyrrole for Organic Photovoltaic Applications. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1396-1404.	4.9	5
44	An acrylated fullerene derivative for efficient and thermally stable polymer solar cells. <i>Tetrahedron Letters</i> , 2017, 58, 2695-2699.	1.4	4
45	Oligo( <i>p</i> -phenyleneethynylene)-functionalized Perylenebisimide triad: Synthesis, Photophysical Properties, and Self-assembly. <i>Chinese Journal of Chemistry</i> , 2013, 31, 277-282.	4.9	1
46	Synthesis, molecular structure and photovoltaic performance for polythiophenes with $\hat{I}^2$ -carboxylate side chains. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	1
47	Benzodithiophene-Cored Small Optoelectronic Molecules: Influence of Extension Direction of Conjugated Segments. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1586.	1.3	1
48	Nickel-Catalyzed Reductive Methylation of Alkyl Acid with Methyl <i>p</i> -Tosylate. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 1830.	1.3	1