

Wei Yang

List of Publications by Year in descending order

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42
papers

1,815
citations

430874

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265206

42
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all docs

42
docs citations

42
times ranked

2587
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and perspective of polymer white light-emitting devices and materials. <i>Chemical Society Reviews</i> , 2009, 38, 3391.	38.1	405
2	Origin of the enhanced open-circuit voltage in polymer solar cells via interfacial modification using conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2010, 20, 2617.	6.7	222
3	Improving Film Formation and Photovoltage of Highly Efficient Inverted μ -Type Perovskite Solar Cells through the Incorporation of New Polymeric Hole Selective Layers. <i>Advanced Energy Materials</i> , 2016, 6, 1502021.	19.5	152
4	Highly Efficient and Spectrally Stable Blue-Light-Emitting Polyfluorenes Containing a Dibenzothiophene- <i>S,S</i> -dioxide Unit. <i>Chemistry of Materials</i> , 2008, 20, 4499-4506.	6.7	127
5	Red, Green, and Blue Light-Emitting Polyfluorenes Containing a Dibenzothiophene- <i>S,S</i> -Dioxide Unit and Efficient High-Correlated White-Light-Emitting Diodes Made Therefrom. <i>Advanced Functional Materials</i> , 2013, 23, 4366-4376.	14.9	121
6	Novel Random Low-Band-Gap Fluorene-Based Copolymers for Deep Red/Near Infrared Light-Emitting Diodes and Bulk Heterojunction Photovoltaic Cells. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 511-520.	2.2	83
7	Synthesis of novel triphenylamine-based conjugated polyelectrolytes and their application as hole-transport layers in polymeric light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2006, 16, 2387.	6.7	80
8	Enhancement of spectral stability and efficiency on blue light-emitters via introducing dibenzothiophene- <i>S,S</i> -dioxide isomers into polyfluorene backbone. <i>Organic Electronics</i> , 2009, 10, 901-909.	2.6	75
9	High-Tripot Energy Poly(9,9-bis(2-ethylhexyl)- β ,6-fluorene) as Host for Blue and Green Phosphorescent Complexes. <i>Advanced Materials</i> , 2008, 20, 2359-2364.	21.0	73
10	Synthesis and optoelectronic characterization of conjugated phosphorescent polyelectrolytes with a neutral Ir complex incorporated into the polymer backbone and their neutral precursors. <i>Journal of Materials Chemistry</i> , 2007, 17, 992-1001.	6.7	38
11	Bright red light-emitting devices based on a novel europium complex doped into polyvinylcarbazole. <i>New Journal of Chemistry</i> , 2007, 31, 569.	2.8	37
12	RGB Small Molecules Based on a Bipolar Molecular Design for Highly Efficient Solution-Processed Single-Layer OLEDs. <i>Chemistry - A European Journal</i> , 2012, 18, 2707-2714.	3.3	37
13	Synthesis and optical and electrochemical properties of polycyclic aromatic compounds with <i>S,S</i> -dioxide benzothiophene fused seven rings. <i>New Journal of Chemistry</i> , 2015, 39, 6513-6521.	2.8	30
14	Blue light-emitting polymers containing fluorene-based benzothiophene- <i>S,S</i> -dioxide derivatives. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1305-1312.	5.5	25
15	Efficient white polymer light-emitting diodes from single polymer exciplex electroluminescence. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2397-2403.	5.5	25
16	Improving electroluminescent performance of blue light-emitting poly(fluorene-co-dibenzothiophene- <i>S,S</i> -dioxide) by end-capping. <i>Organic Electronics</i> , 2017, 48, 118-126.	2.6	22
17	Dibenzothiophene- <i>S,S</i> -dioxide and Bispyridinium-Based Cationic Polyfluorene Derivative as an Efficient Cathode Modifier for Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4778-4787.	8.0	21
18	Electrochemically deposited interlayer between PEDOT:PSS and phosphorescent emitting layer for multilayer solution-processed phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9509-9515.	5.5	20

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19	Deep blue light-emitting polyfluorenes containing spiro [fluorene-9,9'-thioxanthene- <i>S,S'</i> -dioxide] isomers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2332-2341.	2.3	18
20	Color tuning in inverted blue light-emitting diodes based on a polyfluorene derivative by adjusting the thickness of the light-emitting layer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9819-9826.	5.5	17
21	Anionic triphenylamine and fluorene-based conjugated polyelectrolyte as a hole-transporting material for polymer light-emitting diodes. <i>Polymer International</i> , 2009, 58, 373-379.	3.1	16
22	Blue light-emitting polymers containing ortho-linking carbazole-based benzothiophene- <i>S,S'</i> -dioxide derivative. <i>Dyes and Pigments</i> , 2017, 138, 245-254.	3.7	16
23	Highly efficient inverted blue light-emitting diodes by thermal annealing and interfacial modification. <i>Organic Electronics</i> , 2017, 49, 1-8.	2.6	11
24	Near-infrared polymer light-emitting diodes based on an inverted device structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12114-12120.	5.5	11
25	Bis(benzothiophene- <i>S,S'</i> -dioxide) fused small molecules realize solution-processible, high-performance and non-doped blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1002-1009.	5.5	11
26	Pyridine-incorporated alcohol-soluble neutral polyfluorene derivatives as efficient cathode-modifying layers for polymer solar cells. <i>Polymer Chemistry</i> , 2017, 8, 6720-6732.	3.9	10
27	Synthesis and properties of five ring fused aromatic compounds based on <i>S,S'</i> -dioxide benzothiophene. <i>New Journal of Chemistry</i> , 2018, 42, 2750-2757.	2.8	10
28	Efficient blue light-emitting polymers containing fluorene[2,3- <i>b</i>]benzo[<i>d</i>]thiophene- <i>S,S'</i> -dioxide unit. <i>Organic Electronics</i> , 2018, 61, 366-375.	2.6	10
29	Synthesis and properties of blue-light-emitting Oligo(fluorene-co-dibenzothiophene- <i>S,S'</i> -dioxide)s. <i>Dyes and Pigments</i> , 2019, 166, 502-514.	3.7	10
30	Roles of NAD ⁺ and Its Metabolites Regulated Calcium Channels in Cancer. <i>Molecules</i> , 2020, 25, 4826.	3.8	10
31	Molecular Engineering on Bis(benzothiophene- <i>S,S'</i> -dioxide)-Based Large-Band Gap Polymers for Interfacial Modifications in Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45969-45978.	8.0	9
32	Ether-soluble hole-transporting polymers based on triphenylamine/phenothiazine moieties with shallow HOMO levels. <i>Polymer Chemistry</i> , 2019, 10, 1367-1376.	3.9	9
33	Bipolar π -conjugation interrupted host polymers by metal-free superacid-catalyzed polymerization for single-layer electrophosphorescent diodes. <i>RSC Advances</i> , 2014, 4, 50027-50034.	3.6	8
34	Efficient, stable and high color rendering index white polymer light-emitting diodes by restraining the electron trapping. <i>Organic Electronics</i> , 2020, 84, 105785.	2.6	7
35	Triphenylamine and Fluorene Based Cationic Conjugated Polyelectrolytes: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 150-160.	2.2	6
36	The dibenzothiophene- <i>S,S'</i> -dioxide and spirobifluorene based small molecules promote Low roll-off and Blue organic light-emitting diodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111946.	3.9	6

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37	Efficient Interface Engineering Enhances Photovoltaic Performance of a Bulk-Heterojunction PCDTBT:PC ₇₁ BM System. IEEE Journal of Photovoltaics, 2019, 9, 1258-1265.	2.5	5
38	Efficient tandem polymer light-emitting diodes with PTPA-P/ZnO as the charge generation layer. Journal of Materials Chemistry C, 2019, 7, 8003-8010.	5.5	5
39	Highly efficient blue light-emitting polymers containing N-(2-decyltetradecyl)carbazole[2,3-b]benzo[d]thiophene-S,S-dioxide moiety. Organic Electronics, 2020, 81, 105670.	2.6	5
40	Alcohol-soluble fluorene derivate functionalized with pyridyl groups as a high-performance cathode interfacial material in organic solar cells. New Journal of Chemistry, 2021, 45, 4584-4591.	2.8	5
41	Synthesis and optical and electrochemical properties of polycyclic aromatic compounds based on bis(benzothiophene)-fused fluorene. Comptes Rendus Chimie, 2018, 21, 854-861.	0.5	4
42	Dibenzothiophene-S,S-dioxide-bispyridinium-fluorene-based polyelectrolytes for cathode buffer layers of polymer solar cells. Polymer Chemistry, 2020, 11, 3605-3614.	3.9	3