Wenjun Yang

List of Publications by Year
in descending order

59 papers	1,852 citations	257450 24 h-index	276875 41 g-index
59 all docs	59 docs citations	59 times ranked	1780 citing authors

#	Article	IF	Citations
1	Alkyl length effects on solid-state fluorescence and mechanochromic behavior of small organic luminophores. Journal of Materials Chemistry C, 2016, 4, 1568-1578.	5.5	242
2	Reversible piezochromic luminescence of 9,10-bis[(N-alkylcarbazol-3-yl)vinyl]anthracenes and the dependence on N-alkyl chain length. Journal of Materials Chemistry C, 2013, 1, 856-862.	5.5	139
3	Highly efficient non-doped blue fluorescent OLEDs with low efficiency roll-off based on hybridized local and charge transfer excited state emitters. Chemical Science, 2020, 11, 5058-5065.	7.4	114
4	Aqueous Nanoaggregation-Enhanced One- and Two-Photon Fluorescence, Crystalline J-Aggregation-Induced Red Shift, and Amplified Spontaneous Emission of 9,10-Bis(p-dimethylaminostyryl)anthracene. Journal of Physical Chemistry C, 2012, 116, 15576-15583.	3.1	110
5	N-Monoalkylated 1,4-diketo-3,6-diphenylpyrrolo[3,4-c]pyrroles as effective one- and two-photon fluorescence chemosensors for fluoride anions. Journal of Materials Chemistry A, 2013, 1, 5172.	10.3	68
6	Highly Efficient Nondoped Nearâ€Ultraviolet Electroluminescence with an External Quantum Efficiency Greater Than 6.5% Based on a Carbazoleâ€“Triazole Hybrid Molecule with High and Balanced Charge Mobility. Advanced Optical Materials, 2017, 5, 1700747.	7.3	65
7	Remarkable Isomeric Effects on Optical and Optoelectronic Properties of N-Phenylcarbazole-Capped 9,10-Divinylanthracenes. Journal of Physical Chemistry C, 2014, 118, 18668-18675.	3.1	57
8	Chain length-dependent piezofluorochromic behavior of 9,10-bis(p-alkoxystyryl)anthracenes. Journal of Luminescence, 2013, 143, 50-55.	3.1	45
9	High external quantum efficiency and low efficiency roll-off achieved simultaneously in nondoped pure-blue organic light-emitting diodes based on a hot-exciton fluorescent material. Chemical Engineering Journal, 2021, 408, 127333.	12.7	44
10	Touch-sensitive mechanoluminescence crystals comprising a simple purely organic molecule emit bright blue fluorescence regardless of crystallization methods. Chemical Communications, 2018, 54, 5225-5228.	4.1	42
11	Room Temperature Phosphorescent (RTP) Thermoplastic Elastomers with Dual and Variable RTP Emission, Photoâ€Patterning Memory Effect, and Dynamic Deformation RTP Response. Advanced Science, 2022, 9, e2103402.	11.2	40
12	Thionating iso-diketopyrrolopyrrole-based polymers: from p-type to ambipolar field effect transistors with enhanced charge mobility. Polymer Chemistry, 2018, 9, 1807-1814.	3.9	39
13	Unusual mechanohypsochromic luminescence and unique bidirectional thermofluorochromism of long-alkylated simple DPP dyes. Journal of Materials Chemistry C, 2017, 5, 5994-5998.	5.5	38
14	High-Efficiency, Non-doped, Pure-Blue Fluorescent Organic Light-Emitting Diodes via Molecular Tuning Regulation of Hot Exciton Excited States. ACS Applied Materials & Interfaces, 2021, 13, 970-980.	8.0	38
15	Synthesis and piezochromic luminescence of aggregation-enhanced emission 9,10-bis(N-alkylcarbazol-2-yl-vinyl-2)anthracenes. Dyes and Pigments, 2013, 99, 833-838.	3.7	37
16	Bright NUV mechanofluorescence from a terpyridine-based pure organic crystal. Chemical Communications, 2018, 54, 94-97.	4.1	37
17	Synthesis and remarkable mechano- and thermo-hypsochromic luminescence of a new type of DPP-based derivative. Journal of Materials Chemistry C, 2018, 6, 1377-1383.	5.5	37
18	Thionation Enhances the Performance of Polymeric Dopantâ€Free Holeâ€Transporting Materials for Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1901036.	3.7	36

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19	Ï€-Conjugated oligomers based on aminobenzodifuranone and diketopyrrolopyrrole. Dyes and Pigments, 2020, 181, 108552.	3.7	35
20	A simple and versatile strategy for realizing bright multicolor mechanoluminescence. Chemical Communications, 2018, 54, 8206-8209.	4.1	33
21	A simple Dâ€“Ï€â€“A hybrid mode for highly efficient non-doped true blue OLEDs with CIE_y < 0.05 and EQE up to 6%. Journal of Materials Chemistry C, 2018, 6, 11063-11070.	5.5	29
22	Synthesis and characterization of 1,3,4,6-tetraarylpyrrolo[3,2-b]-pyrrole-2,5-dione (isoDPP)-based donorâ€“acceptor polymers with low band gap. Polymer Chemistry, 2013, 4, 4682.	3.9	27
23	Efficient Nonâ€Doped Blue Electroâ€fluorescence with Boosted and Balanced Carrier Mobilities. Advanced Functional Materials, 2022, 32, .	14.9	27
24	Tuning the optoelectronic properties of phenothiazine-based Dâ€'A-type emitters through changing acceptor pattern. Dyes and Pigments, 2017, 147, 6-15.	3.7	24
25	Synthesis and enhanced two-photon absorption properties of tetradonor-containing anthracene-centered 2-D cross-conjugated polymers. Journal of Materials Chemistry, 2011, 21, 3916.	6.7	23
26	N-Alkylcarbazoles: homolog manipulating long-lived room-temperature phosphorescence. Journal of Materials Chemistry C, 2018, 6, 8984-8989.	5.5	23
27	1,4-Diketo-pyrrolo[3,4-c]pyrroles (DPPs) based insoluble polymer films with lactam hydrogens as renewable fluoride anion chemosensor. Polymer, 2018, 149, 266-272.	3.8	23
28	Naphthodipyrrolidone (NDP) based conjugated polymers with high electron mobility and ambipolar transport properties. Polymer Chemistry, 2017, 8, 3255-3260.	3.9	21
29	Cyanophenylcarbazole isomers exhibiting different UV and visible light excitable room temperature phosphorescence. Journal of Materials Chemistry C, 2019, 7, 9671-9677.	5.5	21
30	9-Anthryl-capped DPP-based dyes: aryl spacing induced differential optical properties. Journal of Materials Chemistry C, 2016, 4, 8006-8013.	5.5	20
31	Cyclic boron esterification: screening organic room temperature phosphorescent and mechanoluminescent materials. Journal of Materials Chemistry C, 2018, 6, 8733-8737.	5.5	20
32	Persistent Organic Whiteâ€Emitting Afterglow from Ultralong Thermally Activated Delayed Fluorescence and Roomâ€Temperature Phosphorescence. Advanced Optical Materials, 2021, 9, 2101075.	7.3	20
33	Two-photon absorption and fluorescence fluoride-sensing properties of N-octyl-3,6-bis[4-(4-(diphenylamino)phenyl)phenyl]-1,4-diketo-pyrrolo[3,4-c]pyrrole. Dyes and Pigments, 2014, 104, 97-101.	3.7	19
34	Enabling DPP derivatives to show multistate emission and developing the multifunctional materials by rational branching effect. Dyes and Pigments, 2018, 159, 290-297.	3.7	16
35	Benzo/NaphthodifuranoneâEBased Polymers: Effect of Perpendicularâ€Extended Main Chain Ï€â€Conjugation on Organic Fieldâ€Effect Transistor Performances. Macromolecular Rapid Communications, 2021, 42, e2000703.	3.9	16
36	Tetraphenylethylene-substituted phenothiazine-based AIEgens for non-doped deep-blue organic light-emitting diodes with negligible efficiency roll-off. Dyes and Pigments, 2019, 161, 97-103.	3.7	15

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37	9,10-Bis(N-methylcarbazol-3-yl-vinyl-2)anthracene: High contrast piezofluoro-chromism and remarkably doping-improved electroluminescence performance. Dyes and Pigments, 2016, 125, 8-14.	3.7	14
38	Synthesis and optoelectronic properties of alternating benzofuran/terfluorene copolymer with stable blue emission. Journal of Polymer Science Part A, 2009, 47, 5488-5497.	2.3	13
39	Organic phosphor doped thermoplastics with ultralong and memorable room temperature phosphorescence different from crystals. Chemical Engineering Journal, 2022, 433, 134307.	12.7	13
40	Effectively Unlocking the Potential Molecular Room Temperature Phosphorescence of Pure Carbazole Derivatives. Advanced Optical Materials, 2022, 10, .	7.3	13
41	Evoking ultra-long molecular room temperature phosphorescence of pure carbazole derivatives. Chemical Engineering Journal, 2022, 447, 137458.	12.7	13
42	1,6-Naphthodipyrrolidone-based donorâ€“acceptor polymers with low bandgap. Polymer, 2015, 60, 215-220.	3.8	12
43	Synthesis and Electrooptic Properties of Poly(2,6â€anthracenevinylene)s. Macromolecular Rapid Communications, 2008, 29, 1415-1420.	3.9	11
44	Gaining New Insights into Trace Guest Doping Role in Manipulating Organic Crystal Phosphorescence. Journal of Physical Chemistry Letters, 2021, 12, 11616-11621.	4.6	11
45	Poly(1,4-diketo-3,6-diphenylpyrrolo[3,4-c]pyrrole-altâ^'3,6-carbazole/2,7-fluorene) as high-performance two-photon dyes. Journal of Polymer Science Part A, 2014, 52, 944-951.	2.3	10
46	A pair of conjoined donorâ€“acceptor butterflies as promising solution-processable aggregation-enhanced emission FR/NIR EL emitters. Journal of Materials Chemistry C, 2017, 5, 11700-11707.	5.5	10
47	Subtly manipulating the end group structures of DPP-centered dyes for the diverse aggregate fluorescence and stimuli-responsive behaviors. Dyes and Pigments, 2019, 165, 193-199.	3.7	10
48	Highly efficient nondoped blue organic light-emitting diodes based on a star-group tetraphenylethylene-substituted aggregation-induced-emission-active organic fluorescent small molecules. Dyes and Pigments, 2020, 175, 108082.	3.7	10
49	Manipulating matrix stacking modes for ultralong-duration organic room-temperature phosphorescence in trace isomer doping systems. Journal of Materials Chemistry C, 2021, 9, 8302-8307.	5.5	10
50	Aggregation-induced emission characteristics and distinct fluorescent responses to external pressure stimuli based on dumbbell D-Ï€-A-Ï€-D cyanostyrene derivatives. Tetrahedron, 2020, 76, 131675.	1.9	9
51	Touch-sensitive yellow organic mechanophosphorescence and a versatile strategy for white organic mechanoluminescence. Materials Chemistry Frontiers, 2021, 5, 5497-5502.	5.9	9
52	Phenothiazin-N-yl-capped 1,4-diketo-3,6-diphenylpyrrolo[3,4-c]pyrrole exhibiting strong two-photon absorption and aggregation-enhanced one- and two-photon excitation red fluorescence. RSC Advances, 2017, 7, 30610-30617.	3.6	8
53	AIE-active 9,10-bis(alkylarylvinyl)anthracences with pendent diethoxylphosphorylmethyl groups as solution-processable efficient EL luminophores. Journal of Materials Chemistry C, 2017, 5, 9157-9164.	5.5	8
54	Tuning light-emitting properties of N-phenylcarbazole-capped anthrylvinyl derivatives by symmetric and isomeric effects. Journal of Luminescence, 2017, 183, 410-417.	3.1	7

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55	Efficient blue fluorescent electroluminescence based on a simple multifunctional tetraphenylethyleneâ€“triazole hybrid material with aggregation-induced emission characteristics. Optical Materials, 2021, 115, 111045.	3.6	7
56	From Transistors to Phototransistors by Tailoring the Polymer Stacking. Advanced Electronic Materials, 0, , 2200019.	5.1	5
57	Aerodynamic Performance Analysis of a Modified Joukowsky Airfoil: Parametric Control of Trailing Edge Thickness. Applied Sciences (Switzerland), 2021, 11, 8395.	2.5	3
58	Nondoped, deep-blue, organic light-emitting diodes with low-efficiency roll-off based on a simple anthraceneâ€“triazole hybrid fluorescent molecule. Dyes and Pigments, 2021, 195, 109672.	3.7	3
59	Thionating iso-diketopyrrolopyrrole-based polymers: from p-type to ambipolar field effect transistors with enhanced charge mobility. Polymer Chemistry, 2018, 9, 1807-1814.	3.9	3