Yafei Wang

List of Publications by Year in descending order

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YAFEL WANC

#	Article	IF	CITATIONS
1	Electromagnetic interference shielding enhancement of poly(lactic acid)-based carbonaceous nanocomposites by poly(ethylene oxide)-assisted segregated structure: a comparative study of carbon nanotubes and graphene nanoplatelets. Advanced Composites and Hybrid Materials, 2022, 5, 209-219.	21.1	69
2	Molecular design strategy for orange-red thermally activated delayed fluorescence emitters via intramolecular energy transfer and their application in solution processable organic light-emitting diodes. Chemical Engineering Journal, 2022, 428, 131691.	12.7	7
3	Multifunctional luminophores with dual emitting cores: TADF emitters with AIE properties for efficient solution- and evaporation-processed doped and non-doped OLEDs. Chemical Engineering Journal, 2022, 431, 133249.	12.7	14
4	Biodegradation of λ-cyhalothrin through cell surface display of bacterial carboxylesterase. Chemosphere, 2022, 289, 133130.	8.2	13
5	Asymmetric sky-blue thermally-activated delayed fluorescence emitters bearing tris(triazolo)triazine moiety for solution-processable organic light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 4837-4844.	5.5	5
6	Deep Blue Emitter Based on Tris(triazolo)triazine Moiety with ClE _y Â<Â0.08 for Highly Efficient Solutionâ€Processed Organic Lightâ€Emitting Diodes Via Molecular Strategy of "Hot Excitons― Advanced Functional Materials, 2022, 32, .	14.9	46
7	Liquid-Crystalline Thermally Activated Delayed Fluorescence: Design, Synthesis, and Application in Solution-Processed Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 15437-15447.	8.0	8
8	A Rapid Detection Method for Fungal Spores from Greenhouse Crops Based on CMOS Image Sensors and Diffraction Fingerprint Feature Processing. Journal of Fungi (Basel, Switzerland), 2022, 8, 374.	3.5	14
9	Comparison of background parenchymal enhancement (BPE) on contrast-enhanced cone-beam breast CT (CE-CBBCT) and breast MRI. European Radiology, 2022, 32, 5773-5782.	4.5	7
10	Synthesis, Mesomorphism, Photophysics, and Device Properties of Liquid-Crystalline Pincer Complexes of Gold(III) Containing Semiperfluorinated Chains. ACS Omega, 2022, 7, 24903-24917.	3.5	1
11	Effect of a small amount of poly(ethylene oxide) on crystal polymorphism of poly(l-lactic acid). Polymer Bulletin, 2021, 78, 6837-6846.	3.3	5
12	Molecular Engineering through Control of Structural Deformation for Highly Efficient Ultralong Organic Phosphorescence. Angewandte Chemie, 2021, 133, 2086-2091.	2.0	17
13	Molecular Engineering through Control of Structural Deformation for Highly Efficient Ultralong Organic Phosphorescence. Angewandte Chemie - International Edition, 2021, 60, 2058-2063.	13.8	75
14	Enhanced Upconversion of Triplet Excitons for Conjugated Polymeric Thermally Activated Delayed Fluorescence Emitters by Employing an Intramolecular Sensitization Strategy. ACS Applied Materials & Interfaces, 2021, 13, 8997-9005.	8.0	14
15	Biodegradable PLA/CNTs/Ti3C2Tx MXene nanocomposites for efficient electromagnetic interference shielding. Journal of Materials Science: Materials in Electronics, 2021, 32, 25952-25962.	2.2	10
16	Intramolecular Throughâ€6pace Charge Transfer Based TADFâ€Active Multifunctional Emitters for High Efficiency Solutionâ€Processed OLED. Advanced Optical Materials, 2021, 9, 2100180.	7.3	49
17	Enhancing the efficiency of near-infrared iridium (III) complexes-based OLEDs by auxiliary ligand functionalization. Synthetic Metals, 2021, 281, 116917.	3.9	4
18	Synthesis, mesomorphism, photophysics and device performance of liquid-crystalline pincer complexes of gold(iii). Journal of Materials Chemistry C, 2021, 9, 1287-1302.	5.5	10

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19	Stimuli-responsive cyclometalated platinum complex bearing bent molecular geometry for highly efficient solution-processable OLEDs. Chinese Chemical Letters, 2021, 32, 493-496.	9.0	27
20	Highly Efficient and Solutionâ€Processed Singleâ€Emissiveâ€Layer Hybrid White Organic Lightâ€Emitting Diodes with Tris(triazolo)triazineâ€Based Blue Thermally Activated Delayed Fluorescence Emitter. Advanced Optical Materials, 2021, 9, 2101518.	7.3	21
21	Highly efficient solution-processed white OLEDs via TADF host-sensitized dinuclear platinum (III) complex. Applied Physics Letters, 2021, 119, .	3.3	3
22	Performance Analysis of MEC Based on NOMA under Imperfect CSI with Eavesdropper. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	1.2	0
23	Cruciform Molecules Bearing Bis(phenylsulfonyl)benzene Moieties for Highâ€Efficiency Solution Processable OLEDs: When Thermally Activated Delayed Fluorescence Meets Mechanochromic Luminescence. Advanced Optical Materials, 2020, 8, 1901021.	7.3	25
24	Chiral Platinumâ€Based Metallomesogens with Highly Efficient Circularly Polarized Electroluminescence in Solutionâ€Processed Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2020, 8, 2000775.	7.3	59
25	A novel donor moiety 9,9,9â€29â€2-tetramethyl-9,9â€210,10â€2-tetrahydro-2,10â€2-biacridine <i>via</i> one-po arylation for TADF emitters and their application in highly efficient solution-processable OLEDs. Journal of Materials Chemistry C, 2020, 8, 8971-8979.	t C–H 5.5	14
26	Electricâ€Fieldâ€Regulated Energy Transfer in Chiral Liquid Crystals for Enhancing Upconverted Circularly Polarized Luminescence through Steering the Photonic Bandgap. Advanced Materials, 2020, 32, e2000820.	21.0	115
27	Boosting Efficiency of Nearâ€Infrared Emitting Iridium(III) Phosphors by Administrating Their ï€â€"ï€ Conjugation Effect of Core–Shell Structure in Solutionâ€Processed OLEDs. Advanced Optical Materials, 2020, 8, 2000154.	7.3	62
28	Blue thermally activated delayed fluorescence based on tristriazolotriazine core: Synthesis, property and the application for solution-processed OLEDs. Dyes and Pigments, 2020, 182, 108589.	3.7	10
29	Exploiting racemism enhanced organic room-temperature phosphorescence to demonstrate Wallach's rule in the lighting chiral chromophores. Nature Communications, 2020, 11, 2145.	12.8	70
30	Ïfâ€''΀ and pâ€''΀ conjugation induced NIR-emitting iridium(<scp>iii</scp>) complexes anchored by flexible side chains in a rigid dibenzo[<i>a</i> , <i>c</i>]phenazine moiety and their application in highly efficient solution-processable NIR-emitting devices. Journal of Materials Chemistry C, 2020, 8, 7079-7088.	5.5	48
31	Iridium(<scp>iii</scp>) phosphors with rigid fused-heterocyclic chelating architectures for efficient deep-red/near-infrared emissions in polymer light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 10961-10971.	5.5	42
32	Photon-upconverting chiral liquid crystal: significantly amplified upconverted circularly polarized luminescence. Chemical Science, 2019, 10, 172-178.	7.4	120
33	Polymorphous Luminescent Materials Based on ′T′â€Shaped Molecules Bearing 4,7â€Diphenylbenzo[c][1,2,5]thiadiazole Skeletons: Effect of Substituents on the Photophysical Properties. Chemistry - A European Journal, 2019, 25, 15401-15410.	3.3	4
34	Synthesis and properties of novel N,C,N terdentate skeleton based on 1,3-di(pyridin-2-yl)benzene moiety—new tricks for old dogs. Chinese Chemical Letters, 2019, 30, 1951-1954.	9.0	12
35	A universal host material with a simple structure for monochrome and white phosphorescent/TADF OLEDs. Journal of Materials Chemistry C, 2019, 7, 558-566.	5.5	39
36	Molecular isomeric engineering of naphthyl-quinoline-containing dinuclear platinum complexes to tune emission from deep red to near infrared. Journal of Materials Chemistry C, 2019, 7, 630-638.	5.5	39

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37	Solution-Processed Highly Efficient Bluish-Green Thermally Activated Delayed Fluorescence Emitter Bearing an Asymmetric Oxadiazole–Difluoroboron Double Acceptor. ACS Applied Materials & Interfaces, 2019, 11, 24339-24348.	8.0	38
38	Linearly polarized electroluminescence from ionic iridium complex-based metallomesogens: the effect of aliphatic-chain on their photophysical properties. Journal of Materials Chemistry C, 2018, 6, 3298-3309.	5.5	29
39	Structure and properties of Camphor silk. Journal of the Textile Institute, 2018, 109, 1186-1192.	1.9	3
40	Dinuclear platinum(<scp>ii</scp>) complex dominated by a zig-zag-type cyclometalated ligand: a new approach to realize high-efficiency near infrared emission. Journal of Materials Chemistry C, 2018, 6, 5769-5777.	5.5	33
41	Realizing efficient red thermally activated delayed fluorescence organic light-emitting diodes using phenoxazine/phenothiazine-phenanthrene hybrids. Organic Electronics, 2018, 59, 32-38.	2.6	35
42	Two-Dimensional Copolymers Based on an Alkylthionaphthyl-Substituted Benzo[1,2- <i>b</i> :4,5- <i>b</i> ′]dithiophene for High-Efficiency Polymer Solar Cells. ACS Applied Energy Materials, 2018, 1, 1506-1511.	5.1	10
43	Near-infrared emission of dinuclear iridium complexes with hole/electron transporting bridging and their monomer in solution-processed organic light-emitting diodes. Dyes and Pigments, 2018, 149, 315-322.	3.7	37
44	Photon upconversion in organic nanoparticles and subsequent amplification by plasmonic silver nanowires. Nanoscale, 2018, 10, 985-991.	5.6	13
45	Pâ€13.1: Tuning Colorâ€Correlated Temperature and Color Rendering Index of Phosphorescent White Polymer Lightâ€emitting Diodes: Towards Healthy Solidâ€state Lighting. Digest of Technical Papers SID International Symposium, 2018, 49, 731-733.	0.3	0
46	Platinum-based metallomesogens bearing a Pt(4,6-dfppy)(acac) skeleton: synthesis, photophysical properties and polarised phosphorescence application. Dalton Transactions, 2018, 47, 13368-13377.	3.3	19
47	An overview of phosphorescent metallomesogens based on platinum and iridium. Journal of Materials Chemistry C, 2018, 6, 9848-9860.	5.5	50
48	Nearâ€Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. Advanced Optical Materials, 2018, 6, 1800466.	7.3	139
49	Iridium-based emitters containing pendant triphenylene moieties for bluish-green OLEDs with improved efficiency upon thermal annealing. New Journal of Chemistry, 2017, 41, 1773-1780.	2.8	12
50	Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. Dyes and Pigments, 2017, 142, 457-464.	3.7	19
51	Spirotriphenylamine based star-shaped D-A molecules meeting AIE chromophore for both efficient solution-processed doped and nondoped blue organic light-emitting diodes. Dyes and Pigments, 2017, 143, 173-182.	3.7	19
52	Achieving NIR emission for tetradentate platinum (II) salophen complexes by attaching dual donor-accepter frameworks in the heads of salophen. Dyes and Pigments, 2017, 138, 100-106.	3.7	19
53	Highly efficient blueish-green fluorescent OLEDs based on AIE liquid crystal molecules: from ingenious molecular design to multifunction materials. Journal of Materials Chemistry C, 2017, 5, 3999-4008.	5.5	72
54	Dual phosphorescence emission of dinuclear platinum(<scp>ii</scp>) complex incorporating cyclometallating pyrenyl-dipyridine-based ligand and its application in near-infrared solution-processed polymer light-emitting diodes. Dalton Transactions, 2017, 46, 16257-16268.	3.3	18

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55	Efficient polymer solar cells based on a new quinoxaline derivative with fluorinated phenyl side chain. Journal of Materials Chemistry C, 2016, 4, 2606-2613.	5.5	44
56	Dinuclear platinum complexes containing aryl-isoquinoline and oxadiazole-thiol with an efficiency of over 8.8%: in-depth investigation of the relationship between their molecular structure and near-infrared electroluminescent properties in PLEDs. Journal of Materials Chemistry C, 2016, 4, 6007-6015.	5.5	76
57	Broadband spectra with fluorescence and phosphorescence dual emission from bichromophoric platinum metallomesogens containing a 6,12-dihydro-indeno[1,2-b]fluorene linkage. RSC Advances, 2016, 6, 45864-45872.	3.6	3
58	Evaluation and characterization of thyroid-disrupting activities in soil samples along the Second Songhua River, China. Ecotoxicology and Environmental Safety, 2016, 133, 475-480.	6.0	2
59	Two Tâ€Shaped Donor–Acceptor Small Molecules Based on 4,9â€Di(thiophenâ€2â€yl)naphtho[2,3â€ <i>b</i>]thiophene for Solutionâ€Processed Organic Solar Cells. European Journal of Organic Chemistry, 2016, 2016, 5127-5135.	2.4	2
60	Engineering the Interconnecting Position of Starâ€Shaped Donorâ€″π–Acceptor Molecules Based on Triazine, Spirofluorene, and Triphenylamine Moieties for Color Tuning from Deep Blue to Green. Chemistry - an Asian Journal, 2016, 11, 2555-2563.	3.3	20
61	Influence of integrated alkyl-chain length on the mesogenic and photophysical properties of platinum-based metallomesogens and their application for polarized white OLEDs. Dyes and Pigments, 2016, 133, 238-247.	3.7	29
62	Influence of alkyl chain branching point on the electron transport properties of di(perylene diimides) thin film transistors. RSC Advances, 2016, 6, 55946-55952.	3.6	9
63	Starburst Triphenylamineâ€Based Donor–Acceptorâ€Type Small Molecules for Solutionâ€Processed Organic Solar Cells. European Journal of Organic Chemistry, 2016, 2016, 799-805.	2.4	6
64	Blue and Green Phosphorescent Liquid rystalline Iridium Complexes with High Hole Mobility. Chemistry - A European Journal, 2016, 22, 1618-1621.	3.3	28
65	Enhancing the photovoltaic properties of low bandgap terpolymers based on benzodithiophene and phenanthrophenazine by introducing different second acceptor units. Polymer Chemistry, 2016, 7, 1747-1755.	3.9	20
66	Near-infrared emitting pyrazole-bridged binuclear platinum complexes: Synthesis, photophysical and electroluminescent properties in PLEDs. Dyes and Pigments, 2016, 128, 68-74.	3.7	46
67	Achieving near-infrared emission in platinum(<scp>ii</scp>) complexes by using an extended donor–acceptor-type ligand. Dalton Transactions, 2016, 45, 5071-5080.	3.3	24
68	Tuning the oxidation potential of 2-phenylpyridine-based iridium complexes to improve the performance of bluish and white OLEDs. Journal of Materials Chemistry C, 2016, 4, 3738-3746.	5.5	27
69	Polymer light-emitting devices based on europium(III) complex with 11-bromo-dipyrido[3,2-a:2′,3′-c]phenazine. Science China Chemistry, 2015, 58, 1152-1158.	8.2	5
70	Evaluation and characterization of anti-estrogenic and anti-androgenic activities in soil samples along the Second Songhua River, China. Environmental Monitoring and Assessment, 2015, 187, 724.	2.7	5
71	Synthesis and photovoltaic performance of N-dioctylmethyl-2,7-carbazole-alt-5,7-bis(thiophen-2-yl)-2,3-biphenylthieno[3,4-b] pyrazine copolymeric derivatives appending various donor units in phenyl moieties. Science China Chemistry, 2015, 58, 301-308.	8.2	3
72	Tuning the Isomeric Fused Heteroaromatic Core of Small Donor–Acceptor Molecules to Alter Their Crystalline Nature and Enhance Photovoltaic Performance. European Journal of Organic Chemistry, 2015, 2015, 820-827.	2.4	13

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73	Recent progress in luminescent liquid crystal materials: design, properties and application for linearly polarised emission. Journal of Materials Chemistry C, 2015, 3, 7993-8005.	5.5	151
74	Enhancing the photovoltaic properties of terpolymers containing benzo[1,2-b:4,5-bâ€2]dithiophene, phenanthro[4,5-abc]phenazine and benzo[c][1,2,5]thiadiazole by changing the substituents. Journal of Materials Chemistry C, 2015, 3, 6240-6248.	5.5	40
75	Improved photovoltaic performance of a 2D-conjugated benzodithiophene-based polymer by the side chain engineering of quinoxaline. Polymer Chemistry, 2015, 6, 4290-4298.	3.9	29
76	Luminescent metallomesogens based on platinum complex containing triphenylene unit. Tetrahedron, 2015, 71, 463-469.	1.9	27
77	Significantly improved photovoltaic performance of the triangular-spiral TPA(DPP–PN) ₃ by appending planar phenanthrene units into the molecular terminals. Journal of Materials Chemistry A, 2015, 3, 886-893.	10.3	47
78	Synthesis and optoelectronic properties of a novel dinuclear cyclometalated platinum(II) complex containing triphenylamine-substituted indolo[3,2-b]carbazole derivative inÂtheÂsingle-emissive-layer WPLEDs. Tetrahedron, 2014, 70, 1246-1251.	1.9	24
79	Solutionâ€Processible Brilliantly Luminescent Eu ^{III} Complexes with Hostâ€Featured Phosphine Oxide Ligands for Monochromic Redâ€Lightâ€Emitting Diodes. Chemistry - A European Journal, 2014, 20, 11137-11148.	3.3	28
80	Synthesis and optoelectronic properties of novel fluorene-bridged dinuclear cyclometalated iridium (III) complex with A–D–A framework in the single-emissive-layer WOLEDs. Organic Electronics, 2014, 15, 2942-2949.	2.6	21
81	Synthesis and optophysical properties of dimeric aza-BODIPY dyes with a push–pull benzodipyrrolidone core. Chemical Communications, 2014, 50, 11540-11542.	4.1	41
82	A novel near-infrared-emitting cyclometalated platinum (II) complex with donor–acceptor–acceptor chromophores. Dyes and Pigments, 2014, 107, 146-152.	3.7	35
83	High-efficiency saturated red emission from binuclear cyclo-metalated platinum complex containing 5-(4-octyloxyphenyl)-1,3,4-oxadiazole-2-thiol ancillary ligand in PLED. Science China Chemistry, 2013, 56, 1137-1142.	8.2	14
84	Synthesis and photovoltaic performances of benzo[1,2â€b:4,5â€b']dithiopheneâ€ <i>alt</i> â€2,3â€diphenylquinoxaline copolymers pending functional group phenyl rings. Journal of Polymer Science Part A, 2013, 51, 1051-1057.)S2173	15
85	A new donor–acceptor–donor ternary copolymer pending additional diketopyrrolopyrrole unit in the side of a donor for efficient solar cells. Organic Electronics, 2013, 14, 1510-1515.	2.6	16
86	Reduced-bandgap triphenylamine- <i>alt</i> -benzo[1,2- <i>b</i> :4,5- <i>b</i> ′]dithiophene copolymers pending benzothiadiazole or diketopyrrolopyrrole units for efficient polymer solar cells. Journal of Polymer Science Part A, 2013, 51, 4103-4110.	2.3	15
87	Synthesis and optoelectronic properties of a heterobimetallic Pt(ii)–Ir(iii) complex used as a single-component emitter in white PLEDs. Dalton Transactions, 2012, 41, 2972.	3.3	27
88	Dinuclear cyclometalated platinum (II) complexes: Synthesis, photophysics, and monomolecular electroluminescence. Organic Electronics, 2012, 13, 1646-1653.	2.6	10
89	Tuning photovoltaic performance of 9,9â€dioctylfluorene―alt â€5,7â€bis(thiophenâ€2â€yl)â€2,3â€biphenylthie]pyrazine copolymeric derivatives by attaching additional donor units in pendant phenyl ring. Journal of Polymer Science Part A, 2012, 50, 4686-4694.	eno[3,4â€ 2.3	•b 14
90	Highly Dichroic Metallomesogen of Dinuclear Platinum Complex: Synthesis and Liquid Crystal and Photophysical Properties. Journal of Physical Chemistry C, 2012, 116, 5908-5914.	3.1	43

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91	Improving optoelectronic properties of the 2,7â€polyfluorene derivatives with carbazole and oxadiazole pendants by incorporating the blueâ€emitting iridium complex pendants in Câ€9 position of fluorine unit. Journal of Polymer Science Part A, 2012, 50, 149-155.	2.3	12
92	Polyfluorene derivatives pending iridium complexes: Improved optoelectronic properties by introducing Dâ€A units and altering pendent mode. Journal of Polymer Science Part A, 2012, 50, 1900-1905.	2.3	10
93	Starâ€Shaped Trinuclear Cyclometalated Platinum(II) Complexes as Singleâ€Component Emitters in Whiteâ€Emitting PLEDs. Chemistry - an Asian Journal, 2012, 7, 2096-2101.	3.3	11
94	Highly efficient near-infrared emission from binuclear cyclo-metalated platinum complexes bridged with 5-(4-octyloxyphenyl)-1,3,4-oxadiazole-2-thiol in PLEDs. Organic Electronics, 2012, 13, 932-937.	2.6	64
95	Metallomesogens based on platinum(ii) complexes: synthesis, luminescence and polarized emission. Dalton Transactions, 2011, 40, 5046.	3.3	60
96	Significantly improved photovoltaic performances of the dithiopheneâ€benzothiadiazoleâ€ <i>alt</i> â€fluorene copolymers by incorporating carbazole units in fluorene moiety. Journal of Polymer Science Part A, 2011, 49, 3874-3881.	2.3	11
97	Synthesis and Optoâ€electronic Properties of a Redâ€Emitting Heteroleptic Platinum Complex Using Pyrazolâ€based Diketone Derivative as Ancillary Ligand. Chinese Journal of Chemistry, 2011, 29, 2057-2062.	4.9	7
98	White emission from dinuclear cyclometalated platinum(II) complex in single-emitting layer PLEDs. Tetrahedron, 2011, 67, 2118-2124.	1.9	21
99	Synthesis, Photophysical and Electrochemical Characterization of the Heteroleptic Iridium Complexes with Modified Ancillary Ligand by Carrierâ€transporting Groups. Chinese Journal of Chemistry, 2010, 28, 2455-2462.	4.9	6
100	Novel cyclometalated platinum (II) complex containing alkyl-trifluorene picolinic acid as emitter for single-layer white PLEDs. Organic Electronics, 2010, 11, 1954-1959.	2.6	30
101	Synthesis, opto-physics, and electroluminescence of cyclometalated iridium (III) complex with alkyltrifluorene picolinic acid. Tetrahedron, 2010, 66, 1483-1488.	1.9	20
102	Highly-efficiency red-emitting platinum (II) complexes containing 4′-diarylamino-1-phenylisoquinoline ligands in polymer light-emitting diodes: Synthesis, structure, photoelectron and electroluminescence. Dyes and Pigments, 2010, 86, 166-173.	3.7	36