Yanli Chen

List of Publications by Year in Descending Order

101 papers	2,482 citations	31 h-index	46 g-index
107 ext. papers	2,964 ext. citations	6.2 avg, IF	5.19 L-index

#	Paper	IF	Citations
101	Singlet fission in colloid nanoparticles of amphipathic 9,10-bis(phenylethynyl)anthracene derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 427, 113826	4.7	0
100	Efficient singlet fission in nanoparticles of amphipathic anthracene–tetracene dyad with broadband light harvesting ability. *Journal of Materials Chemistry C*, **2022**, 10, 1878-1886	7.1	0
99	Inspired from Spiro-OMeTAD: developing ambipolar spirobifluorene derivatives as effective passivation molecules for perovskite solar cells. *Journal of Materials Chemistry C*, **2022**, 10, 1357-1364	7.1	3
98	Strategic design of cellulose nanofibers@zeolitic imidazolate frameworks derived mesoporous carbon-supported nanoscale CoFe2O4/CoFe hybrid composition as trifunctional electrocatalyst for Zn-air battery and self-powered overall water-splitting. *Journal of Power Sources*, **2022**, 521, 230925	8.9	3
97	A facile iron-sulfur double-doping strategy to prepare high performance FeNx/S-NC electrocatalyst for oxygen reduction reaction in zinc-air battery. *Applied Surface Science*, **2022**, 580, 152255	6.7	1
96	Porphyrin polymer-derived single-atom Fe assisted by Fe2O3 with oxygen vacancy for efficient oxygen reduction reaction. *Applied Surface Science*, **2022**, 153301	6.7	1
95	Turning built-in electric field of porphyrin on Ti3+ self-doped blue-TiO2 hollow nanospheres boosts peroxidase-like activity for high-performance biosensing. *Chemical Engineering Journal*, **2022**, 441, 136070	14.7	0
94	CoO/CoN nanoparticles encased in honeycomb-like N, P, O-codoped carbon framework derived from corncob as efficient ORR electrocatalysts.. *RSC Advances*, **2021**, 12, 207-215	3.7	0
93	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. *Angewandte Chemie - International Edition*, **2021**,	16.4	8
92	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. *Journal of the American Chemical Society*, **2021**, 143, 7104-7113	16.4	45
91	The cobalt carbide/bimetallic CoFe phosphide dispersed on carbon nanospheres as advanced bifunctional electrocatalysts for the ORR, OER, and rechargeable Zn-air batteries. *Journal of Colloid and Interface Science*, **2021**, 590, 321-329	9.3	26
90	Novel heteroatom sulfur porphyrin organic polymer as a metal-free electrocatalyst for acidic oxygen reduction reaction. *Electrochimica Acta*, **2021**, 377, 138107	6.7	10
89	Ethylthio-substituted sandwich phthalocyaninato europium (III) semiconductors for sensing NO2 and NH3: Effect of the extended π-conjugate systems on tuning the conductivity and sensing behavior. *Organic Electronics*, **2021**, 93, 106151	3.5	2
88	In situ construction of Co/N/C-based heterojunction on biomass-derived hierarchical porous carbon with stable active sites using a Co-N protective strategy for high-efficiency ORR, OER and HER trifunctional electrocatalysts. *Journal of Energy Chemistry*, **2021**, 54, 626-638	12	43
87	An active site pre-anchoring and post-exposure strategy in Fe(CN)64-@PPy derived Fe/S/N-doped carbon electrocatalyst for high performance oxygen reduction reaction and zinc-air batteries. *Chemical Engineering Journal*, **2021**, 413, 127395	14.7	8
86	Advances in gas sensors of tetrapyrrolato-rare earth sandwich-type complexes □ Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. *Journal of Rare Earths*, **2021**, 39, 113-120	3.7	4
85	High-performance and wearable hazardous gases sensor based on n-n heterojunction film of NGO and tetrakis(1-pyrenyl)porphyrin. *Journal of Hazardous Materials*, **2021**, 419, 126460	12.8	4

84	Photoinduced electron transfer for improved FET performance based on the hybrid film of an amphiphilic perylene diimide and CdS. *Inorganic Chemistry Communication*, **2021**, 132, 108829	3.1	
83	A phthalocyanine sensor array based on sensitivity and current changes for highly sensitive identification of three toxic gases at ppb levels. *New Journal of Chemistry*, **2020**, 44, 13240-13248	3.6	4
82	An Activatable Triplet Sensitizer Based on Triplet Electron Transfer and Its Application for Triplet-Triplet Annihilation Upconversion. *Journal of Physical Chemistry B*, **2020**, 124, 6389-6397	3.4	2
81	Introduction of Multifunctional Triphenylamino Derivatives at the Perovskite/HTL Interface To Promote Efficiency and Stability of Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 9300-9306	9.5	25
80	A voltammetry biosensor based on self-assembled layers of a heteroleptic tris(phthalocyaninato) europium triple-decker complex and tyrosinase for catechol detection. *Enzyme and Microbial Technology*, **2020**, 139, 109578	3.8	4
79	Modifying perovskite solar cells with L(+)-cysteine at the interface between mesoporous TiO2 and perovskite. *Sustainable Energy and Fuels*, **2020**, 4, 878-883	5.8	4
78	An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. *Chemical Communications*, **2020**, 56, 703-706	5.8	35
77	In-situ growth of ZnS/FeS heterojunctions on biomass-derived porous carbon for efficient oxygen reduction reaction. *Journal of Energy Chemistry*, **2020**, 47, 79-85	12	16
76	Functionalized CNTs as Effective Additives to Improve the Efficiency of Perovskite Solar Cells. *ACS Applied Energy Materials*, **2020**, 3, 11674-11680	6.1	7
75	An Excellent Fe, N Co-Doped Porous Biomass Carbon Oxygen Reduction Reaction Electrocatalyst: Effect of Zinc-Based Activators on Catalytic Activity. *Energy Technology*, **2020**, 8, 2000625	3.5	4
74	Facile preparation of N-doped corncob-derived carbon nanofiber efficiently encapsulating Fe2O3 nanocrystals towards high ORR electrocatalytic activity. *Journal of Energy Chemistry*, **2020**, 44, 121-130	12	56
73	Hierarchical Self-Assembly of Tetrakis(1-pyrenyl)porphyrins into Microscopic Petals and Flowers with Ultrasensitive Room-Temperature NO2 Sensing in a Broad Humidity Range. *ChemNanoMat*, **2019**, 5, 1408-1417	3.5	2
72	A sandwich-type tetrakis(phthalocyaninato) europium□cadmium quadruple-decker complex: structural, spectroscopic, OFET, and gas sensing properties. *New Journal of Chemistry*, **2019**, 43, 15763-15767	3.6	7
71	A calix[4]arene-modified (Pc)Eu(Pc)Eu[T(C4A)PP]-based sensor for highly sensitive and specific host-guest electrochemical recognition. *Dalton Transactions*, **2019**, 48, 718-727	4.3	7
70	Diverse sensor responses from two functionalized tris(phthalocyaninato)europium ambipolar semiconductors towards three oxidative and reductive gases. *Journal of Materials Chemistry C*, **2019**, 7, 424-433	7.1	14
69	Solution-processable (Pc?)Eu(Pc?)Eu[TP(OH)PP]/rGO bilayer heterojunction organic transistors with exceptional excellent ambipolar performance. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 12437-12446	2.1	5
68	A novel calix[4]arene-modified porphyrin-based dual-mode sensor for the specific detection of dopamine with excellent performance. *New Journal of Chemistry*, **2019**, 43, 10376-10381	3.6	5
67	Fine-Tuning Intermolecular and Intramolecular Interactions to Build the Films of Tris(Phthalocyaninato) Rare Earth Complexes and Their Comparative Performances in Ambipolar Gas Sensing. *IEEE Transactions on Electron Devices*, **2019**, 66, 1930-1936	2.9	8

66	Enhanced Performance and Stability of Planar Perovskite Solar Cells by Interfacial Engineering using Fluorinated Aliphatic Amines. *ACS Applied Energy Materials*, **2019**, 2, 6230-6236	6.1	13
65	Crown-ether-substituted asymmetric phthalocyanine derivatives/CdS self-assembled hybrid films with an unprecedented high response toward NO2. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 507-517	1.8	3
64	Excellent ambipolar gas sensing response of Eu[Pc(OC4H9)8]2/acidified multiwalled carbon nanotubes hybrid at room temperature. *Journal of Porphyrins and Phthalocyanines*, **2019**, 23, 1455-1462	1.8	2
63	High mobility at the interface of the cocrystallized sandwich-type tetrapyrrole metal compound and fullerene layers. *Inorganic Chemistry Frontiers*, **2019**, 6, 3345-3349	6.8	3
62	A Br-regulated transition metal active-site anchoring and exposure strategy in biomass-derived carbon nanosheets for obtaining robust ORR/HER electrocatalysts at all pH values. *Journal of Materials Chemistry A*, **2019**, 7, 27089-27098	13	22
61	Dimeric phthalocyanine-involved double-decker complex-based electrochemical sensor for simultaneous detection of acetaminophen and ascorbic acid. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 1976-1983	2.1	7
60	Optimizing the gas sensing properties of sandwich-type phthalocyaninato europium complex through extending the conjugated framework. *Dyes and Pigments*, **2019**, 161, 240-246	4.6	22
59	The lower rather than higher density charge carrier determines the NH3-sensing nature and sensitivity of ambipolar organic semiconductors. *Materials Chemistry Frontiers*, **2018**, 2, 1009-1016	7.8	32
58	Highly selective room-temperature NO2 sensors based on a fluoroalkoxy-substituted phthalocyanine. *New Journal of Chemistry*, **2018**, 42, 6713-6718	3.6	11
57	Surface Modification of Methylamine Lead Halide Perovskite with Aliphatic Amine Hydroiodide. *Langmuir*, **2018**, 34, 9507-9515	4	4
56	Effects of aromatic substituents on the electronic structure and excited state energy levels of diketopyrrolopyrrole derivatives for singlet fission. *Physical Chemistry Chemical Physics*, **2018**, 20, 22997-23006	3.6	17
55	Binuclear Phthalocyanine Dimer-Containing Yttrium Double-Decker Ambipolar Semiconductor with Sensitive Response toward Oxidizing NO2 and Reducing NH3. *ChemElectroChem*, **2018**, 5, 605-609	4.3	27
54	Polymorphism in the self-assembled nanostructures of a tris(phthalocyaninato) europium derivative: Phase-dependent semiconducting and NO2 sensing behaviour. *Organic Electronics*, **2018**, 53, 127-134	3.5	24
53	Tuning Semiconductor Performance of Nickel Complexes through Crystal Transformation. *Inorganic Chemistry*, **2018**, 57, 12683-12689	5.1	3
52	Efficient ORR electrocatalytic activity of peanut shell-based graphitic carbon microstructures. *Journal of Materials Chemistry A*, **2018**, 6, 12018-12028	13	48
51	Photoinduced electron and energy transfer in an amphiphilic perylenetetracarboxylic diimide derivative/CdS self-assembled hybrid film. *Inorganic Chemistry Communication*, **2018**, 95, 1-7	3.1	4
50	High-sensitive room-temperature NO2 sensor based on a soluble n-type phthalocyanine semiconductor. *Inorganic Chemistry Communication*, **2017**, 77, 18-22	3.1	31
49	Controlled morphology of self-assembled microstructures via solvent-vapor annealing temperature and ambipolar OFET performance based on a tris(phthalocyaninato) europium derivative. *Dyes and Pigments*, **2017**, 143, 203-210	4.6	11

48	Ambipolar chemical sensors based on the self-assembled film of an amphiphilic (phthalocyaninato) (porphyrinato) europium complex. *Inorganic Chemistry Communication*, **2017**, 86, 1-5	3.1	13
47	High-performance room-temperature NO2 sensors based on microstructures self-assembled from n-type phthalocyanines: Effect of fluorine–hydrogen bonding and metal–ligand coordination on morphology and sensing performance. *Organic Electronics*, **2017**, 50, 389-396	3.5	7
46	High-performance ambipolar responses to oxidizing NO2 and reducing NH3 based on the self-assembled film of an amphiphilic tris(phthalocyaninato) europium complex. *New Journal of Chemistry*, **2017**, 41, 11955-11961	3.6	19
45	Solution-processed single crystal microsheets of a novel dimeric phthalocyanine-involved triple-decker for high-performance ambipolar organic field effect transistors. *Chemical Communications*, **2017**, 53, 12754-12757	5.8	19
44	Highly selective enzymatic-free electrochemical sensor for dopamine detection based on the self-assemblied film of a sandwich mixed (phthalocyaninato) (porphyrinato) europium derivative. *Journal of Porphyrins and Phthalocyanines*, **2017**, 21, 796-802	1.8	13
43	Synthesis, fabrication of self-assembled film and ambipolar chemical sensing properties of triple-decker (phthalocyaninato) (porphyrinato) europium complex. *Journal of Porphyrins and Phthalocyanines*, **2017**, 21, 893-899	1.8	10
42	Two-Step Solution-Processed Two-Component Bilayer Phthalocyaninato Copper-Based Heterojunctions with Interesting Ambipolar Organic Transiting and Ethanol-Sensing Properties. *Advanced Materials Interfaces*, **2016**, 3, 1600253	4.6	19
41	(Pc)Eu(Pc)Eu[trans-T(COOCH)PP]/GO Hybrid Film-Based Nonenzymatic HO Electrochemical Sensor with Excellent Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 30398-30406	9.5	30
40	High Sensitive Ambipolar Response towards Oxidizing NO2 and Reducing NH3 Based on Bis(phthalocyaninato) Europium Semiconductors. *Chinese Journal of Chemistry*, **2016**, 34, 975-982	4.9	26
39	Amphiphilic unsymmetrically substituted porphyrin zinc derivatives: synthesis, aggregation behavior of the self-assembled films and NO2 sensing properties. *New Journal of Chemistry*, **2016**, 40, 3323-3329	3.6	15
38	Amphiphilic (Phthalocyaninato) (Porphyrinato) Europium Triple-Decker Nanoribbons with Air-Stable Ambipolar OFET Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 6174-82	9.5	48
37	Air-stable ambipolar field-effect transistor based on a solution-processed octanaphthoxy-substituted tris(phthalocyaninato) europium semiconductor with high and balanced carrier mobilities. *Chemical Science*, **2015**, 6, 1967-1972	9.4	63
36	Flexible, ambipolar organic field-effect transistors based on the solution-processed films of octanaphthoxy-substituted bis(phthalocyaninato) europium. *Dyes and Pigments*, **2015**, 115, 67-72	4.6	15
35	Design, synthesis, and aggregation behavior of sandwich mixed (phthalocyaninato)(porphyrinato) europium triple-deckers: Effect of substituent on tuning the intermolecular interaction. *Inorganic Chemistry Communication*, **2015**, 54, 50-53	3.1	4
34	(TFPP)Eu[Pc(OPh)8]Eu[Pc(OPh)8]/CuPc two-component bilayer heterojunction-based organic transistors with high ambipolar performance. *ACS Applied Materials & Interfaces*, **2015**, 7, 2486-93	9.5	39
33	Tetrakis(phthalocyaninato) terbium–cadmium quadruple-decker liquid crystals with good semiconducting properties. *Organic Electronics*, **2014**, 15, 2654-2660	3.5	2
32	A sandwich mixed (phthalocyaninato) (porphyrinato) europium triple-decker: Balanced-mobility, ambipolar organic thin-film transistor. *Inorganic Chemistry Communication*, **2014**, 39, 79-82	3.1	23
31	Porphyrin-POSS molecular hybrids. *Chemistry - A European Journal*, **2013**, 19, 12613-8	4.8	18

30	N-channel organic thin-film transistors based on a soluble cyclized perylene tetracarboxylic diimide dimer. *Organic Electronics*, **2013**, 14, 1197-1203	3.5	35
29	2,3,9,10,16,17,23,24-Octakis(phenoxy/octyloxy)phthalocyaninato manganese complexes. Synthesis, structure, and nonlinear optical property. *Dyes and Pigments*, **2013**, 99, 154-159	4.6	9
28	H-aggregation mode in triple-decker phthalocyaninato-europium semiconductors. Materials design for high-performance air-stable ambipolar organic thin film transistors. *Organic Electronics*, **2013**, 14, 2582-2589	3.5	43
27	Self-assembled aggregates of amphiphilic perylene diimide-based semiconductor molecules: effect of morphology on conductivity. *Journal of Colloid and Interface Science*, **2012**, 368, 387-94	9.3	62
26	Solution-processed thin films based on sandwich-type mixed (phthalocyaninato)(porphyrinato) europium triple-deckers: Structures and comparative performances in ammonia sensing. *Sensors and Actuators B: Chemical*, **2012**, 166-167, 500-507	8.5	36
25	High-performance air-stable ambipolar organic field-effect transistor based on tris(phthalocyaninato) europium(III). *Advanced Materials*, **2012**, 24, 1755-8	24	102
24	Tuning the semiconducting nature of bis(phthalocyaninato) holmium complexes via peripheral substituents. *Journal of Materials Chemistry*, **2012**, 22, 22142		48
23	Synthesis, self-assembly, and semiconducting properties of phenanthroline-fused phthalocyanine derivatives. *Journal of Materials Chemistry*, **2012**, 22, 15695		27
22	Differential study of substituted and unsubstituted cobalt phthalocyanines for gas sensor applications. *Sensors and Actuators B: Chemical*, **2011**, 159, 163-170	8.5	58
21	Enhanced chemosensing of ammonia based on the novel molecular semiconductor-doped insulator (MSDI) heterojunctions. *Sensors and Actuators B: Chemical*, **2011**, 155, 165-173	8.5	37
20	The first solution-processable n-type phthalocyaninato copper semiconductor: tuning the semiconducting nature via peripheral electron-withdrawing octyloxycarbonyl substituents. *Journal of Materials Chemistry*, **2011**, 21, 18552		42
19	Morphology and chirality controlled self-assembled nanostructures of porphyrin–pentapeptide conjugate: effect of the peptide secondary conformation. *Journal of Materials Chemistry*, **2011**, 21, 8057		50
18	Morphology controlled surface-assisted self-assembled microtube junctions and dendrites of metal free porphyrin-based semiconductor. *Langmuir*, **2010**, 26, 3678-84	4	35
17	Facile approaches to build ordered amphiphilic tris(phthalocyaninato) europium triple-decker complex thin films and their comparative performances in ozone sensing. *Physical Chemistry Chemical Physics*, **2010**, 12, 12851-61	3.6	93
16	Nonperipherally octa(butyloxy)-substituted phthalocyanine derivatives with good crystallinity: effects of metal-ligand coordination on the molecular structure, internal structure, and dimensions of self-assembled nanostructures. *Chemistry - A European Journal*, **2009**, 15, 13241-52	4.8	63
15	Synthesis, Characterization and OFET Properties of Amphiphilic Mixed (Phthalocyaninato)(porphyrinato)europium(III) Complexes. *European Journal of Inorganic Chemistry*, **2009**, 2009, 954-960	2.3	33
14	Morphology controlled self-assembled nanostructures of sandwich mixed (phthalocyaninato)(porphyrinato) europium triple-deckers. Effect of hydrogen bonding on tuning the intermolecular interaction. *Journal of the American Chemical Society*, **2008**, 130, 11623-30	16.4	140
13	Synthesis, characterization, and OFET properties of amphiphilic heteroleptic tris(phthalocyaninato) europium(III) complexes with hydrophilic poly(oxyethylene) substituents. *Inorganic Chemistry*, **2007**, 46, 11397-404	5.1	65

List of Publications

12	Effect of peripheral hydrophobic alkoxy substitution on the organic field effect transistor performance of amphiphilic tris(phthalocyaninato) europium triple-decker complexes. *Langmuir*, **2007**, 23, 12549-54	4	62
11	Amphiphilic perylenetretracarboxyl diimide dimer and its application in field effect transistor. *Langmuir*, **2007**, 23, 5836-42	4	64
10	Spectroscopic and structural characteristics of Langmuir–Blodgett films of bis[2,3,9,10,16,17,24,25-octakis(octyloxy)phthalocyaninato] rare earth complexes. *Thin Solid Films*, **2006**, 496, 619-625	2.2	16
9	Arrangement of tris(phthalocyaninato) gadolinium triple-decker complexes with multi-octyloxy groups on water surface. *Journal of Colloid and Interface Science*, **2006**, 303, 256-63	9.3	11
8	Thin-film transistors based on Langmuir-Blodgett films of heteroleptic bis(phthalocyaninato) rare earth complexes. *Langmuir*, **2005**, 21, 6527-31	4	66
7	Aggregation behavior of heteroleptic tris(phthalocyaninato) dysprosium complexes with different alkoxy chains in monolayer or multilayer solid films. *Langmuir*, **2005**, 21, 11289-95	4	34
6	High performance organic field-effect transistors based on amphiphilic tris(phthalocyaninato) rare earth triple-decker complexes. *Journal of the American Chemical Society*, **2005**, 127, 15700-1	16.4	186
5	Novel crown ether substituted phthalocyanine with good gas sensing properties to NO2. *Journal of Materials Chemistry*, **1999**, 9, 1415-1418		21
4	Controlled Preparation and Anti-Sulfate Electrocatalysis of Self-Assembled Multidimensional PtZn Quasi-Cubic Nanodendrites. *Advanced Materials Interfaces*,2101944	4.6	
3	A high-performance photoelectrochemical sensor for the specific detection of H2O2 and glucose based on an organic conjugated microporous polymer. *Journal of Materials Chemistry A*,	13	4
2	Electronic Band Structure Engineering of Transition Metal Oxide-N,S-Doped Carbon Catalysts for Photoassisted Oxygen Reduction and Oxygen Evolution Catalysis. *Advanced Materials Interfaces*,2101388	4.6	1
1	A "micropores & active species protection" strategy for the preparation of a high-performance Fe/S/N-composited porous carbon catalyst for efficient oxygen reduction reaction and zinc–air batteries. *Sustainable Energy and Fuels*,	5.8	2