

Yanli Chen

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101
papers

2,482
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31
h-index

46
g-index

107
ext. papers

2,964
ext. citations

6.2
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5.19
L-index

#	Paper	IF	Citations
101	High performance organic field-effect transistors based on amphiphilic tris(phthalocyaninato) rare earth triple-decker complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15700-1	16.4	186
100	Morphology controlled self-assembled nanostructures of sandwich mixed (phthalocyaninato)(porphyrinato) europium triple-deckers. Effect of hydrogen bonding on tuning the intermolecular interaction. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11623-30	16.4	140
99	High-performance air-stable ambipolar organic field-effect transistor based on tris(phthalocyaninato) europium(III). <i>Advanced Materials</i> , 2012 , 24, 1755-8	24	102
98	Facile approaches to build ordered amphiphilic tris(phthalocyaninato) europium triple-decker complex thin films and their comparative performances in ozone sensing. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12851-61	3.6	93
97	Thin-film transistors based on Langmuir-Blodgett films of heteroleptic bis(phthalocyaninato) rare earth complexes. <i>Langmuir</i> , 2005 , 21, 6527-31	4	66
96	Synthesis, characterization, and OFET properties of amphiphilic heteroleptic tris(phthalocyaninato) europium(III) complexes with hydrophilic poly(oxyethylene) substituents. <i>Inorganic Chemistry</i> , 2007 , 46, 11397-404	5.1	65
95	Amphiphilic perylene-tetracarboxyl diimide dimer and its application in field effect transistor. <i>Langmuir</i> , 2007 , 23, 5836-42	4	64
94	Air-stable ambipolar field-effect transistor based on a solution-processed octanaphthoxy-substituted tris(phthalocyaninato) europium semiconductor with high and balanced carrier mobilities. <i>Chemical Science</i> , 2015 , 6, 1967-1972	9.4	63
93	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. <i>Chemistry - A European Journal</i> , 2009 , 15, 13241-52	4.8	63
92	Self-assembled aggregates of amphiphilic perylene diimide-based semiconductor molecules: effect of morphology on conductivity. <i>Journal of Colloid and Interface Science</i> , 2012 , 368, 387-94	9.3	62
91	Effect of peripheral hydrophobic alkoxy substitution on the organic field effect transistor performance of amphiphilic tris(phthalocyaninato) europium triple-decker complexes. <i>Langmuir</i> , 2007 , 23, 12549-54	4	62
90	Differential study of substituted and unsubstituted cobalt phthalocyanines for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2011 , 159, 163-170	8.5	58
89	Facile preparation of N-doped corncob-derived carbon nanofiber efficiently encapsulating Fe ₂ O ₃ nanocrystals towards high ORR electrocatalytic activity. <i>Journal of Energy Chemistry</i> , 2020 , 44, 121-130	12	56
88	Morphology and chirality controlled self-assembled nanostructures of porphyrin-pentapeptide conjugate: effect of the peptide secondary conformation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8057		50
87	Amphiphilic (Phthalocyaninato) (Porphyrinato) Europium Triple-Decker Nanoribbons with Air-Stable Ambipolar OFET Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6174-82	9.5	48
86	Tuning the semiconducting nature of bis(phthalocyaninato) holmium complexes via peripheral substituents. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22142		48
85	Efficient ORR electrocatalytic activity of peanut shell-based graphitic carbon microstructures. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12018-12028	13	48

84	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7104-7113	16.4	45
83	H-aggregation mode in triple-decker phthalocyaninato-europium semiconductors. Materials design for high-performance air-stable ambipolar organic thin film transistors. <i>Organic Electronics</i> , 2013 , 14, 2582-2589	3.5	43
82	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. <i>Journal of Energy Chemistry</i> , 2021 , 54, 626-638	12	43
81	The first solution-processable n-type phthalocyaninato copper semiconductor: tuning the semiconducting nature via peripheral electron-withdrawing octyloxycarbonyl substituents. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18552		42
80	(TFPP)Eu[Pc(OPh)8]Eu[Pc(OPh)8]/CuPc two-component bilayer heterojunction-based organic transistors with high ambipolar performance. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2486-93	9.5	39
79	Enhanced chemosensing of ammonia based on the novel molecular semiconductor-doped insulator (MSDI) heterojunctions. <i>Sensors and Actuators B: Chemical</i> , 2011 , 155, 165-173	8.5	37
78	Solution-processed thin films based on sandwich-type mixed (phthalocyaninato)(porphyrinato) europium triple-deckers: Structures and comparative performances in ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 500-507	8.5	36
77	N-channel organic thin-film transistors based on a soluble cyclized perylene tetracarboxylic diimide dimer. <i>Organic Electronics</i> , 2013 , 14, 1197-1203	3.5	35
76	Morphology controlled surface-assisted self-assembled microtube junctions and dendrites of metal free porphyrin-based semiconductor. <i>Langmuir</i> , 2010 , 26, 3678-84	4	35
75	An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. <i>Chemical Communications</i> , 2020 , 56, 703-706	5.8	35
74	Aggregation behavior of heteroleptic tris(phthalocyaninato) dysprosium complexes with different alkoxy chains in monolayer or multilayer solid films. <i>Langmuir</i> , 2005 , 21, 11289-95	4	34
73	Synthesis, Characterization and OFET Properties of Amphiphilic Mixed (Phthalocyaninato)(porphyrinato)europium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 954-960	2.3	33
72	The lower rather than higher density charge carrier determines the NH ₃ -sensing nature and sensitivity of ambipolar organic semiconductors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1009-1016	7.8	32
71	High-sensitive room-temperature NO ₂ sensor based on a soluble n-type phthalocyanine semiconductor. <i>Inorganic Chemistry Communication</i> , 2017 , 77, 18-22	3.1	31
70	(Pc)Eu(Pc)Eu[trans-T(COOCH)PP]/GO Hybrid Film-Based Nonenzymatic HO Electrochemical Sensor with Excellent Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30398-30406	9.5	30
69	Synthesis, self-assembly, and semiconducting properties of phenanthroline-fused phthalocyanine derivatives. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15695		27
68	Binuclear Phthalocyanine Dimer-Containing Yttrium Double-Decker Ambipolar Semiconductor with Sensitive Response toward Oxidizing NO ₂ and Reducing NH ₃ . <i>ChemElectroChem</i> , 2018 , 5, 605-609	4.3	27
67	High Sensitive Ambipolar Response towards Oxidizing NO ₂ and Reducing NH ₃ Based on Bis(phthalocyaninato) Europium Semiconductors. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 975-982	4.9	26

66	The cobalt carbide/bimetallic CoFe phosphide dispersed on carbon nanospheres as advanced bifunctional electrocatalysts for the ORR, OER, and rechargeable Zn-air batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 321-329	9.3	26
65	Introduction of Multifunctional Triphenylamino Derivatives at the Perovskite/HTL Interface To Promote Efficiency and Stability of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9300-9306	9.5	25
64	Polymorphism in the self-assembled nanostructures of a tris(phthalocyaninato) europium derivative: Phase-dependent semiconducting and NO ₂ sensing behaviour. <i>Organic Electronics</i> , 2018 , 53, 127-134	3.5	24
63	A sandwich mixed (phthalocyaninato) (porphyrinato) europium triple-decker: Balanced-mobility, ambipolar organic thin-film transistor. <i>Inorganic Chemistry Communication</i> , 2014 , 39, 79-82	3.1	23
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. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27089-27098	13	22
61	Optimizing the gas sensing properties of sandwich-type phthalocyaninato europium complex through extending the conjugated framework. <i>Dyes and Pigments</i> , 2019 , 161, 240-246	4.6	22
60	Novel crown ether substituted phthalocyanine with good gas sensing properties to NO ₂ . <i>Journal of Materials Chemistry</i> , 1999 , 9, 1415-1418		21
59	Two-Step Solution-Processed Two-Component Bilayer Phthalocyaninato Copper-Based Heterojunctions with Interesting Ambipolar Organic Transiting and Ethanol-Sensing Properties. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600253	4.6	19
58	High-performance ambipolar responses to oxidizing NO ₂ and reducing NH ₃ based on the self-assembled film of an amphiphilic tris(phthalocyaninato) europium complex. <i>New Journal of Chemistry</i> , 2017 , 41, 11955-11961	3.6	19
57	Solution-processed single crystal microsheets of a novel dimeric phthalocyanine-involved triple-decker for high-performance ambipolar organic field effect transistors. <i>Chemical Communications</i> , 2017 , 53, 12754-12757	5.8	19
56	Porphyrin-POSS molecular hybrids. <i>Chemistry - A European Journal</i> , 2013 , 19, 12613-8	4.8	18
55	Effects of aromatic substituents on the electronic structure and excited state energy levels of diketopyrrolopyrrole derivatives for singlet fission. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 22997-23006 ¹⁷	3.6	17
54	Spectroscopic and structural characteristics of Langmuir-Blodgett films of bis[2,3,9,10,16,17,24,25-octakis(octyloxy)phthalocyaninato] rare earth complexes. <i>Thin Solid Films</i> , 2006 , 496, 619-625	2.2	16
53	In-situ growth of ZnS/FeS heterojunctions on biomass-derived porous carbon for efficient oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2020 , 47, 79-85	12	16
52	Amphiphilic unsymmetrically substituted porphyrin zinc derivatives: synthesis, aggregation behavior of the self-assembled films and NO ₂ sensing properties. <i>New Journal of Chemistry</i> , 2016 , 40, 3323-3329	3.6	15
51	Flexible, ambipolar organic field-effect transistors based on the solution-processed films of octanaphthoxy-substituted bis(phthalocyaninato) europium. <i>Dyes and Pigments</i> , 2015 , 115, 67-72	4.6	15
50	Diverse sensor responses from two functionalized tris(phthalocyaninato)europium ambipolar semiconductors towards three oxidative and reductive gases. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 424-433	7.1	14
49	Ambipolar chemical sensors based on the self-assembled film of an amphiphilic (phthalocyaninato) (porphyrinato) europium complex. <i>Inorganic Chemistry Communication</i> , 2017 , 86, 1-5	3.1	13

48	Enhanced Performance and Stability of Planar Perovskite Solar Cells by Interfacial Engineering using Fluorinated Aliphatic Amines. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6230-6236	6.1	13
47	Highly selective enzymatic-free electrochemical sensor for dopamine detection based on the self-assembled film of a sandwich mixed (phthalocyaninato) (porphyrinato) europium derivative. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 796-802	1.8	13
46	Controlled morphology of self-assembled microstructures via solvent-vapor annealing temperature and ambipolar OFET performance based on a tris(phthalocyaninato) europium derivative. <i>Dyes and Pigments</i> , 2017 , 143, 203-210	4.6	11
45	Highly selective room-temperature NO ₂ sensors based on a fluoroalkoxy-substituted phthalocyanine. <i>New Journal of Chemistry</i> , 2018 , 42, 6713-6718	3.6	11
44	Arrangement of tris(phthalocyaninato) gadolinium triple-decker complexes with multi-octyloxy groups on water surface. <i>Journal of Colloid and Interface Science</i> , 2006 , 303, 256-63	9.3	11
43	Synthesis, fabrication of self-assembled film and ambipolar chemical sensing properties of triple-decker (phthalocyaninato) (porphyrinato) europium complex. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 893-899	1.8	10
42	Novel heteroatom sulfur porphyrin organic polymer as a metal-free electrocatalyst for acidic oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021 , 377, 138107	6.7	10
41	2,3,9,10,16,17,23,24-Octakis(phenoxy/octyloxy)phthalocyaninato manganese complexes. Synthesis, structure, and nonlinear optical property. <i>Dyes and Pigments</i> , 2013 , 99, 154-159	4.6	9
40	Fine-Tuning Intermolecular and Intramolecular Interactions to Build the Films of Tris(Phthalocyaninato) Rare Earth Complexes and Their Comparative Performances in Ambipolar Gas Sensing. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 1930-1936	2.9	8
39	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	8
38	An active site pre-anchoring and post-exposure strategy in Fe(CN) ₆ @PPy derived Fe/S/N-doped carbon electrocatalyst for high performance oxygen reduction reaction and zinc-air batteries. <i>Chemical Engineering Journal</i> , 2021 , 413, 127395	14.7	8
37	A sandwich-type tetrakis(phthalocyaninato) europium–gadolinium quadruple-decker complex: structural, spectroscopic, OFET, and gas sensing properties. <i>New Journal of Chemistry</i> , 2019 , 43, 15763-15767	3.6	7
36	A calix[4]arene-modified (Pc)Eu(Pc)Eu[T(C4A)PP]-based sensor for highly sensitive and specific host-guest electrochemical recognition. <i>Dalton Transactions</i> , 2019 , 48, 718-727	4.3	7
35	High-performance room-temperature NO ₂ sensors based on microstructures self-assembled from n-type phthalocyanines: Effect of fluorine–hydrogen bonding and metal–ligand coordination on morphology and sensing performance. <i>Organic Electronics</i> , 2017 , 50, 389-396	3.5	7
34	Functionalized CNTs as Effective Additives to Improve the Efficiency of Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11674-11680	6.1	7
33	Dimeric phthalocyanine-involved double-decker complex-based electrochemical sensor for simultaneous detection of acetaminophen and ascorbic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 1976-1983	2.1	7
32	Solution-processable (Pc?)Eu(Pc?)Eu[TP(OH)PP]/rGO bilayer heterojunction organic transistors with exceptional excellent ambipolar performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12437-12446	2.1	5
31	A novel calix[4]arene-modified porphyrin-based dual-mode sensor for the specific detection of dopamine with excellent performance. <i>New Journal of Chemistry</i> , 2019 , 43, 10376-10381	3.6	5

30	A phthalocyanine sensor array based on sensitivity and current changes for highly sensitive identification of three toxic gases at ppb levels. <i>New Journal of Chemistry</i> , 2020 , 44, 13240-13248	3.6	4
29	Surface Modification of Methylamine Lead Halide Perovskite with Aliphatic Amine Hydroiodide. <i>Langmuir</i> , 2018 , 34, 9507-9515	4	4
28	Design, synthesis, and aggregation behavior of sandwich mixed (phthalocyaninato)(porphyrinato) europium triple-deckers: Effect of substituent on tuning the intermolecular interaction. <i>Inorganic Chemistry Communication</i> , 2015 , 54, 50-53	3.1	4
27	A high-performance photoelectrochemical sensor for the specific detection of H ₂ O ₂ and glucose based on an organic conjugated microporous polymer. <i>Journal of Materials Chemistry A</i> ,	13	4
26	A voltammetry biosensor based on self-assembled layers of a heteroleptic tris(phthalocyaninato) europium triple-decker complex and tyrosinase for catechol detection. <i>Enzyme and Microbial Technology</i> , 2020 , 139, 109578	3.8	4
25	Modifying perovskite solar cells with L(+)-cysteine at the interface between mesoporous TiO ₂ and perovskite. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 878-883	5.8	4
24	An Excellent Fe, N Co-Doped Porous Biomass Carbon Oxygen Reduction Reaction Electrocatalyst: Effect of Zinc-Based Activators on Catalytic Activity. <i>Energy Technology</i> , 2020 , 8, 2000625	3.5	4
23	Advances in gas sensors of tetrapyrrolo-rare earth sandwich-type complexes □ Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. <i>Journal of Rare Earths</i> , 2021 , 39, 113-120	3.7	4
22	Photoinduced electron and energy transfer in an amphiphilic perylenetetracarboxylic diimide derivative/CdS self-assembled hybrid film. <i>Inorganic Chemistry Communication</i> , 2018 , 95, 1-7	3.1	4
21	High-performance and wearable hazardous gases sensor based on n-n heterojunction film of NGO and tetrakis(1-pyrenyl)porphyrin. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126460	12.8	4
20	Crown-ether-substituted asymmetric phthalocyanine derivatives/CdS self-assembled hybrid films with an unprecedented high response toward NO ₂ . <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 507-517	1.8	3
19	Inspired from Spiro-OMeTAD: developing ambipolar spirobifluorene derivatives as effective passivation molecules for perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1357-1364	7.1	3
18	Strategic design of cellulose nanofibers@zeolitic imidazolate frameworks derived mesoporous carbon-supported nanoscale CoFe ₂ O ₄ /CoFe hybrid composition as trifunctional electrocatalyst for Zn-air battery and self-powered overall water-splitting. <i>Journal of Power Sources</i> , 2022 , 521, 230925	8.9	3
17	High mobility at the interface of the cocrystallized sandwich-type tetrapyrrole metal compound and fullerene layers. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3345-3349	6.8	3
16	Tuning Semiconductor Performance of Nickel Complexes through Crystal Transformation. <i>Inorganic Chemistry</i> , 2018 , 57, 12683-12689	5.1	3
15	Hierarchical Self-Assembly of Tetrakis(1-pyrenyl)porphyrins into Microscopic Petals and Flowers with Ultrasensitive Room-Temperature NO ₂ Sensing in a Broad Humidity Range. <i>ChemNanoMat</i> , 2019 , 5, 1408-1417	3.5	2
14	An Activatable Triplet Sensitizer Based on Triplet Electron Transfer and Its Application for Triplet-Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 6389-6397	3.4	2
13	Excellent ambipolar gas sensing response of Eu[Pc(OC ₄ H ₉) ₈] ₂ /acidified multiwalled carbon nanotubes hybrid at room temperature. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 1455-1462	1.8	2

12	Tetrakis(phthalocyaninato) terbium-cadmium quadruple-decker liquid crystals with good semiconducting properties. <i>Organic Electronics</i> , 2014 , 15, 2654-2660	3.5	2
11	Ethylthio-substituted sandwich phthalocyaninato europium (III) semiconductors for sensing NO ₂ and NH ₃ : Effect of the extended π -conjugate systems on tuning the conductivity and sensing behavior. <i>Organic Electronics</i> , 2021 , 93, 106151	3.5	2
10	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. <i>Sustainable Energy and Fuels</i> ,	5.8	2
9	Electronic Band Structure Engineering of Transition Metal Oxide-N,S-Doped Carbon Catalysts for Photoassisted Oxygen Reduction and Oxygen Evolution Catalysis. <i>Advanced Materials Interfaces</i> , 2021 , 13, 2101386	4.6	1
8	A facile iron-sulfur double-doping strategy to prepare high performance FeN _x /S-NC electrocatalyst for oxygen reduction reaction in zinc-air battery. <i>Applied Surface Science</i> , 2022 , 580, 152255	6.7	1
7	Porphyrin polymer-derived single-atom Fe assisted by Fe ₂ O ₃ with oxygen vacancy for efficient oxygen reduction reaction. <i>Applied Surface Science</i> , 2022 , 153301	6.7	1
6	CoO/CoN nanoparticles encased in honeycomb-like N, P, O-codoped carbon framework derived from corncob as efficient ORR electrocatalysts.. <i>RSC Advances</i> , 2021 , 12, 207-215	3.7	0
5	Singlet fission in colloid nanoparticles of amphipathic 9,10-bis(phenylethynyl)anthracene derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 427, 113826	4.7	0
4	Efficient singlet fission in nanoparticles of amphipathic anthracene-terracene dyad with broadband light harvesting ability. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1878-1886	7.1	0
3	Turning built-in electric field of porphyrin on Ti ³⁺ self-doped blue-TiO ₂ hollow nanospheres boosts peroxidase-like activity for high-performance biosensing. <i>Chemical Engineering Journal</i> , 2022 , 441, 136070	14.7	0
2	Controlled Preparation and Anti-Sulfate Electrocatalysis of Self-Assembled Multidimensional PtZn Quasi-Cubic Nanodendrites. <i>Advanced Materials Interfaces</i> , 2021 , 13, 2101944	4.6	
1	Photoinduced electron transfer for improved FET performance based on the hybrid film of an amphiphilic perylene diimide and CdS. <i>Inorganic Chemistry Communication</i> , 2021 , 132, 108829	3.1	