Yongzhong Bian

List of Publications by Year
in descending order

69	1,960	186265 28	265206 42
papers	citations	h-index	g-index

69	69	69	1795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-molecule magnetism of tetrapyrrole lanthanide compounds with sandwich multiple-decker structures. Coordination Chemistry Reviews, 2016, 306, 195-216.	18.8	172
2	Tuning the Valence of the Cerium Center in (Na)phthalocyaninato and Porphyrinato Cerium Double-Deckers by Changing the Nature of the Tetrapyrrole Ligands. Journal of the American Chemical Society, 2003, 125, 12257-12267.	13.7	158
3	Rational Modification of Two-Dimensional Donorâ€“Acceptor Covalent Organic Frameworks for Enhanced Visible Light Photocatalytic Activity. ACS Applied Materials & Interfaces, 2021, 13, 27041-27048.	8.0	80
4	Synthesis, Structure, Spectroscopic Properties, and Electrochemistry of (1,8,15,22-Tetrasubstituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	64
5	Ratiometric Fluorescent Detection of Pb²⁺ by FRET-Based Phthalocyanine-Porphyrin Dyads. Inorganic Chemistry, 2017, 56, 14533-14539.	4.0	61
6	Synthesis, spectroscopic characterisation and structure of the first chiral heteroleptic bis(phthalocyaninato) rare earth complexesElectronic supplementary information (ESI) available: 1H NMR spectrum of {SmIII(Pc)[Pc(OC5H11)4]}â€“ in CDCl3/DMSO-d6 (1â¶1) in the presence of a few drops of hydrazine hydrate. See http://www.rsc.org/suppdata/cc/b3/b301139a/. Chemical Communications, 2003, , 1194-1195.	4.1	60
7	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. Vibrational Spectroscopy, 2004, 34, 283-291.	2.2	53
8	Density Functional Theory Study on Subtriazaporphyrin Derivatives: Dipolar/Octupolar Contribution to the Second-Order Nonlinear Optical Activity. Journal of Physical Chemistry A, 2012, 116, 10249-10256.	2.5	51
9	Porphyrin-Based Metalâ€“Organic Frameworks for Efficient Photocatalytic H₂ Production under Visible-Light Irradiation. Inorganic Chemistry, 2021, 60, 3988-3995.	4.0	49
10	Optically Active Mixed Phthalocyaninatoâ€“Porphyrinato Rareâ€Earth Doubleâ€Decker Complexes: Synthesis, Spectroscopy, and Solventâ€Dependent Molecular Conformations. Chemistry - A European Journal, 2008, 14, 4667-4674.	3.3	48
11	Conformational effects, molecular orbitals, and reaction activities of bis(phthalocyaninato) lanthanum double-deckers: Density functional theory calculations. Physical Chemistry Chemical Physics, 2011, 13, 13277.	2.8	48
12	Lysosome-targeting ratiometric fluorescent pH probes based on long-wavelength BODIPY. Journal of Materials Chemistry B, 2018, 6, 4422-4426.	5.8	47
13	Mixed (porphyrinato)(phthalocyaninato) rare-earth(III) double-decker complexes for broadband light harvesting organic solar cells. Journal of Materials Chemistry, 2011, 21, 11131.	6.7	46
14	Synthesis, Structure, and Spectroscopic and Electrochemical Properties of Heteroleptic Bis(phthalocyaninato) Rare Earth Complexes with aC4 Symmetry. Helvetica Chimica Acta, 2004, 87, 2581-2596.	1.6	44
15	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.	6.7	44
16	Porphyrin-Appended Europium(III) Bis(phthalocyaninato) Complexes: Synthesis, Characterization, and Photophysical Properties. Chemistry - A European Journal, 2007, 13, 4169-4177.	3.3	42
17	Two-Photon Excited FRET Dyads for Lysosome-Targeted Imaging and Photodynamic Therapy. Inorganic Chemistry, 2018, 57, 11537-11542.	4.0	42
18	Location of the Hole and Acid Proton in Neutral Nonprotonated and Protonated Mixed (Phthalocyaninato)(porphyrinato) Yttrium Doubleâ€Decker Complexes: Density Functional Theory Calculations. Chemistry - A European Journal, 2007, 13, 9503-9514.	3.3	40

#	Article	IF	Citations
19	Charge Transfer Properties of Bis(phthalocyaninato) Rare Earth (III) Complexes: Intrinsic Ambipolar Semiconductor for Field Effect Transistors. Journal of Physical Chemistry C, 2008, 112, 14579-14588.	3.1	39
20	Synthetic, Structural, Spectroscopic, and Electrochemical Studies of Heteroleptic Tris(phthalocyaninato) Rare Earth Complexes. European Journal of Inorganic Chemistry, 2005, 2005, 2612-2618.	2.0	38
21	Third-order nonlinear optical properties of sandwich-type mixed (phthalocyaninato)(porphyrinato) europium double- and triple-decker complexes. Dyes and Pigments, 2012, 95, 627-631.	3.7	38
22	Structural studies of the whole series of lanthanide double-decker compounds with mixed 2,3-naphthalocyaninato and octaethylporphyrinato ligands. New Journal of Chemistry, 2003, 27, 844-849.	2.8	36
23	2,3,9,10,16,17,23,24-Octakis(hexylsulfonyl)phthalocyanines with good n-type semiconducting properties. Synthesis, spectroscopic, and electrochemical characteristics. Journal of Materials Chemistry, 2011, 21, 6515.	6.7	36
24	Synthesis, Characterization and OFET Properties of Amphiphilic Mixed (Phthalocyaninato)(porphyrinato)europium(III) Complexes. European Journal of Inorganic Chemistry, 2009, 2009, 954-960.	2.0	34
25	Mixed (Phthalocyaninato)(Porphyrinato) Rare Earth Double-Decker Complexes withC₄Chirality: Synthesis, Resolution, and Absolute Configuration Assignment. Inorganic Chemistry, 2009, 48, 8925-8933.	4.0	34
26	Density functional theory studies on the structures and electronic communication of meso-ferrocenylporphyrins: Long range orbital coupling via porphyrin core. Journal of Molecular Graphics and Modelling, 2011, 29, 717-725.	2.4	32
27	Structures and spectroscopic properties of nonperipherally and peripherally substituted metal-free phthalocyanines: A substitution effect study based on density functional theory calculations. Journal of Molecular Graphics and Modelling, 2010, 29, 470-480.	2.4	29
28	Nature of the Intense Near-IR Absorption and Unusual Broad UVâˆ'Visibleâˆ'NIR Spectra of Azulenocyanines: Density Functional Theory Studies. Journal of Physical Chemistry A, 2010, 114, 13411-13417.	2.5	29
29	Synergistic Coupling of Fluorescent â€œTurn-Offâ€•with Spectral Overlap Modulated FRET for Ratiometric Ag⁺ Sensor. Inorganic Chemistry, 2014, 53, 12186-12190.	4.0	28
30	Helical nano-structures self-assembled from dimethylaminoethyloxy-containing unsymmetrical octakis-substituted phthalocyanine derivatives. Soft Matter, 2011, 7, 3417.	2.7	27
31	Bis[1,4,8,11,15,18,22,25-octa(butyloxyl)phthalocyaninato] rare earth double-decker complexes: synthesis, spectroscopy, and molecular structure. Dalton Transactions, 2010, 39, 1321-1327.	3.3	26
32	Chiral Discrimination of Diamines by a Binaphthalene-Bridged Porphyrin Dimer. Inorganic Chemistry, 2017, 56, 8223-8231.	4.0	26
33	Ferrocene-Decorated (Phthalocyaninato)(Porphyrinato) Double- and Triple-Decker Rare Earth Complexes: Synthesis, Structure, and Electrochemical Properties. Inorganic Chemistry, 2012, 51, 5651-5659.	4.0	25
34	Sandwichâ€Type Heteroleptic oppositeâ€(Diazaporphyrinato)cerium Complexes: Synthesis, Spectroscopy, Structure, and Electrochemistry. European Journal of Inorganic Chemistry, 2008, 2008, 5519-5523.	2.0	21
35	Linkage Dependence of Intramolecular Fluorescence Quenching Process in Porphyrin-Appended Mixed (Phthalocyaninato)(Porphyrinato) Yttrium(III) Double-Decker Complexes. Journal of Physical Chemistry B, 2010, 114, 13143-13151.	2.6	21
36	Donorâ€“acceptor covalent organic framework/g-C₃N₄ hybrids for efficient visible light photocatalytic H₂ production. Catalysis Science and Technology, 2021, 11, 2616-2621.	4.1	20

#	Article	IF	Citations
37	Raman spectroscopic characteristics of phthalocyanine and naphthalocyanine in sandwich-type phthalocyaninato and porphyrinato rare earth complexes. Part 5?Raman spectroscopic characteristics of naphthalocyanine in mixed [tetrakis(4-tert-butylphenyl)porphyrinato] (naphthalocyaninato) rare earth double-deckers. Journal of Raman Spectroscopy, 2003, 34, 306-314.	2.5	17
38	Stereochemistry and Solid-State Structure of an Intrinsically ChiralMeso-Patterned Porphyrin: Case Study by NMR and Single-Crystal X-ray Diffraction Analysis. Journal of Organic Chemistry, 2013, 78, 9949-9955.	3.2	16
39	A phthalocyanine-porphyrin triad for ratiometric fluorescent detection of Lead(II) ions. Dyes and Pigments, 2020, 173, 107941.	3.7	16
40	H₂O-Involved Hydrogen Bonds in Pseudo-Double-Decker Supramolecular Structure of 1,8,15,22-Tetrasubstituted Phthalocyaninato Zinc Complex. Crystal Growth and Design, 2008, 8, 4454-4459.	3.0	15
41	Zn(II) and Cd(II) metalâ€“organic frameworks (MOFs) constructed from a symmetric triangular semirigid multicarboxylate ligand: Synthesis, structures and luminescent properties. Solid State Sciences, 2012, 14, 317-323.	3.2	15
42	Substituent effects on the structureâ€“property relationship of unsymmetrical methyloxy and methoxycarbonyl phthalocyanines: DFT and TDDFT theoretical studies. Journal of Molecular Graphics and Modelling, 2012, 35, 57-65.	2.4	15
43	Nanoscale Hollow Spheres of an Amphiphilic Mixed (Phthalocyaninato)(porphyrinato)europium Doubleâ€Decker Complex. European Journal of Inorganic Chemistry, 2010, 2010, 753-757.	2.0	14
44	Synthesis and third-order nonlinear optical properties of novel ethynyl-linked heteropentamer composed of four porphyrins and one pyrene. Journal of Porphyrins and Phthalocyanines, 2009, 13, 275-282.	0.8	13
45	64 Chemistry of Sandwich Tetrapyrrole Rare Earth Complexes. Handbook of Porphyrin Science, 2011, , 249-460.	0.8	13
46	Intramolecular chirality induction and intermolecular chirality modulation in BINOL bridged bisporphyrin hosts. Dyes and Pigments, 2017, 137, 608-614.	3.7	13
47	Novel Pathway to Synthesize Unsymmetrical 2,3,9,10,16,17,23-heptakis(alkoxyl)-24-mono(dimethylaminoalkoxyl)phthalocyanines. Inorganic Chemistry, 2010, 49, 9005-9011.	4.0	12
48	Manganese(III) Porphyrin-Based Magnetic Materials. Topics in Current Chemistry, 2019, 377, 18.	5.8	12
49	Perylene diimide-appended mixed (phthalocyaninato)(porphyrinato) europium(III) double-decker complex: Synthesis, spectroscopy and electrochemical properties. Dyes and Pigments, 2011, 91, 99-104.	3.7	11
50	Ferromagnetic coupling between 4f- and delocalized Ï€-radical spins in mixed (phthalocyaninato)(porphyrinato) rare earth double-decker SMMs. Inorganic Chemistry Frontiers, 2019, 6, 2142-2147.	6.0	11
51	Multipolar Porphyrinâ€Triazatruxene Arrays for Twoâ€Photon Fluorescence Cell Imaging. Chemistry - A European Journal, 2020, 26, 13842-13848.	3.3	11
52	Covalent organic frameworks based on tetraphenyl-p-phenylenediamine and metalloporphyrin for electrochemical conversion of CO₂ to CO. Inorganic Chemistry Frontiers, 2022, 9, 3217-3223.	6.0	11
53	Benzo-fused low symmetry metal-free tetraazaporphyrin and phthalocyanine analogs: synthesis, spectroscopy, electrochemistry, and density functional theory calculations. Journal of Porphyrins and Phthalocyanines, 2010, 14, 421-437.	0.8	9
54	An AceDANâ€“porphyrin(Zn) dyad for fluorescence imaging and photodynamic therapy via two-photon excited FRET. Inorganic Chemistry Frontiers, 2018, 5, 3061-3066.	6.0	9

#	Article	IF	Citations
55	Zn(II) metal-organic frameworks (MOFs) assembled from semirigid multicarboxylate ligands: Synthesis, crystal structures, and luminescent properties. Solid State Sciences, 2010, 12, 1791-1796.	3.2	6
56	A porphyrin-pyranine dyad for ratiometric fluorescent sensing of intracellular pH. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112524.	3.9	6
57	Stem cells from human exfoliated deciduous teeth affect mitochondria and reverse cognitive decline in a senescence-accelerated mouse prone 8 model. Cytotherapy, 2022, 24, 59-71.	0.7	6
58	The infrared spectroscopic characteristics of peripheral octa-substituted phthalocyanines with hexylsulfonyl groups. Vibrational Spectroscopy, 2011, 56, 245-249.	2.2	4
59	Mixed (phthalocyaninato)(tetranaphthylporphyrinato) terbium triple-decker complex: Synthesis, crystal structure and magnetic properties. Inorganic Chemistry Communication, 2016, 73, 30-33.	3.9	4
60	Cyanide-bridged complexes based on dinuclear Cu(II)-M(II) [M = Pb and Cu] building blocks: Synthesis, crystal structures and magnetic properties. Science China Chemistry, 2012, 55, 978-986.	8.2	3
61	Perspectives on Ligand Properties of N-Heterocyclic Carbenes in Iron Porphyrin Complexes. Inorganic Chemistry, 2022, 61, 847-856.	4.0	3
62	Synthesis, structures and luminescent properties of Co(II) and Ni(II) metal-organic frameworks with semirigid diphthalic ligands. Solid State Sciences, 2011, 13, 1948-1953.	3.2	2
63	Chiral dinaphthylporphyrin with C2 symmetry: synthesis, resolution, and enantio-discrimination by single-crystal X-ray diffraction analysis. Tetrahedron Letters, 2014, 55, 3377-3380.	1.4	2
64	Binaphthol-strapped chiral bis (porphyrinato) cerium double-decker complexes. Inorganic Chemistry Communication, 2017, 81, 18-21.	3.9	2
65	C60-modified mixed (phthalocyaninato)(porphyrinato) yttrium(III) double-decker complex: Synthesis, characterization, and photophysical properties. Dyes and Pigments, 2014, 102, 257-262.	3.7	1
66	Optically Active Mixed Phthalocyaninato-porphyrinato Rare-Earth Double-Decker Complexes: Synthesis, Spectroscopy, and Solvent-Dependent Molecular Conformation. Chemistry - A European Journal, 2008, 14, 6288-6288.	3.3	0
67	Charge transfer properties of phthalocyaninato zinc complexes for organic field-effect transistors: tuning semiconductor nature via peripheral substituents. Journal of Porphyrins and Phthalocyanines, 2011, 15, 964-972.	0.8	0
68	Controllable incoherent growth of a surface toward gold nanocrystals with regular multi-bumps. CrystEngComm, 2016, 18, 4713-4719.	2.6	0
69	Intermolecular Chirality Modulation of Binaphthalene-Bridged Bisporphyrins With Chiral Diamines. Frontiers in Chemistry, 2020, 8, 611257.	3.6	0