Tao Tao

List of Publications by Year
in descending order

83	1,705	361413	330143
papers	citations	20 h-index	37 g-index

83	83	83	2280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanomaterials for fluorescent detection of curcumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120359.	3.9	11
2	Isomeric Pair of E/Z Tetraphenylethene-Cored Luminogens Showing Distinguishing Mechanoresponsive Luminescence Turn-On and Two-Color Behavior. Journal of Physical Chemistry C, 2022, 126, 6491-6498.	3.1	6
3	One-step hydrothermal synthesis of fluorescent silicon nanoparticles for sensing sulfide ions and cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 121048.	3.9	12
4	Sodium alkoxide-mediated g-C₃N₄ immobilized on a composite nanofibrous membrane for preferable photocatalytic activity. RSC Advances, 2022, 12, 15378-15384.	3.6	6
5	Cyclometalated iridium(III) complexes containing bithiazole ligands for preferable viscosity detection. Dyes and Pigments, 2022, 205, 110512.	3.7	3
6	Improved Activity and Stability of Chlorobenzene Oxidation Over Transition Metal-Substituted Spinel-Type Catalysts Supported on Cordierite. Catalysis Letters, 2021, 151, 2313.	2.6	6
7	Fabricating Efficient and Stable Quasi-3D and 3D/2D Perovskite Solar Cells with 2D-Sheets Connected by Inorganic Type Ionic-Bond. Nanotechnology, 2021, 32, .	2.6	3
8	A Schiff base-functionalized graphene quantum dot nanocomposite for preferable picric acid sensing. Dyes and Pigments, 2021, 191, 109355.	3.7	30
9	The length effect and color tuning of tetraphenylethylene functionalized oligothiophenes for effective detection of explosives. Dyes and Pigments, 2021, 195, 109673.	3.7	1
10	A Flexible Chemosensor Based on Colorimetric and Fluorescent Dual Modes for Rapid and Sensitive Detection of Hypochlorite Anion. Sensors, 2021, 21, 8082.	3.8	2
11	Fabrication of MnO_x-CeO₂/cordierite catalysts doped with FeO_x and CuO for preferable catalytic oxidation of chlorobenzene. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	12
12	Differences of Characteristics and Performance with Bi3+ and Bi2O3 Doping Over TiO2 for Photocatalytic Oxidation Under Visible Light. Catalysis Letters, 2020, 150, 1098-1110.	2.6	5
13	Strontium Chloride-Passivated Perovskite Thin Films for Efficient Solar Cells with Power Conversion Efficiency over 21% and Superior Stability. ACS Applied Materials & Interfaces, 2020, 12, 3661-3669.	8.0	19
14	Development of Ag/MnCeOx catalysts synthesized with ethanol or water for HCHO decomposition at ambient temperature. Materials Chemistry and Physics, 2020, 241, 122372.	4.0	14
15	Engineering pristine 2D metalâ€“organic framework nanosheets for electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 8143-8170.	10.3	180
16	Terminal modulation of asymmetrical Dâ€“Aâ€“Dâ€“Ï€ furan-containing diketopyrrolopyrrole chromophores for intramolecular charge transfer properties. Dyes and Pigments, 2020, 177, 108277.	3.7	4
17	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. Nature Chemistry, 2020, 12, 242-248.	13.6	101
18	Fabrication of thiophene/dicyanovinyl aggregation-induced fluorescent materials for preferable detection of picric acid. Dyes and Pigments, 2020, 181, 108556.	3.7	5

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19	Reversible alteration of spectral properties for azulene decorated multiphenyl-ethylenes by simple acid-base and redox processes. Dyes and Pigments, 2019, 164, 346-354.	3.7	4
20	Simulations on photovoltaic conversion in perovskite solar cells by solving hierarchical equations of motion. AIP Advances, 2019, 9, .	1.3	2
21	Precisely controlling fluorescence enhancement and high-contrast colorimetric assay in OFF-ON fluoride sensing based on a diketopyrrolopyrrole boronate ester. Dyes and Pigments, 2019, 170, 107638.	3.7	22
22	5-Hydroxy-1-phenyl-1H-pyrazole-3-carboxylic acid based heterocyclic dyes. Dyes and Pigments, 2019, 166, 226-232.	3.7	15
23	Efficient air-stable perovskite solar cells with a (FAI)_{0.46}(MAI)_{0.40}(MABr)_{0.14}(PbI₂)_{0.86}(PbBr₂)<sub>0 active layer fabricated via a vacuum flash-assisted method under RH > 50%. RSC Advances, 2019, 9, 10148-10154.	3.6	16
24	CuO-decorated dual-phase TiO2 microspheres with enhanced activity for photocatalytic CO2 reduction in liquidâ€“solid regime. Chemical Physics Letters, 2019, 725, 66-74.	2.6	14
25	Enhanced performance of alkali-modified Bi2WO6/Bi0.15Ti0.85O2 toward photocatalytic oxidation of HCHO under visible light. Environmental Science and Pollution Research, 2019, 26, 9672-9685.	5.3	3
26	Triphenylethylene-based biimidazoles showing preferable detection of explosives and their rhenium complexes undergoing chiral and cisâ€“trans transformations. Journal of Materials Chemistry C, 2019, 7, 3765-3771.	5.5	13
27	Extended Bis(anthraoxa)quinodimethanes with Nine and Ten Consecutively Fused Six-Membered Rings: Neutral Diradicaloids and Charged Diradical Dianions/Dications. Journal of the American Chemical Society, 2019, 141, 62-66.	13.7	75
28	Controlled synthesis of Bi₂O₃/TiO₂ catalysts with mixed alcohols for the photocatalytic oxidation of HCHO. Environmental Technology (United Kingdom), 2019, 40, 1937-1947.	2.2	8
29	Size-selective adsorption of methyl orange using a novel nano-composite by encapsulating HKUST-1 in hyper-crosslinked polystyrene networks. Journal of Cleaner Production, 2018, 184, 949-958.	9.3	43
30	Metal-free oxidative cyclization of 2-amino-benzamides, 2-aminobenzenesulfonamide or 2-(aminomethyl)anilines with primary alcohols for the synthesis of quinazolinones and their analogues. Tetrahedron Letters, 2018, 59, 2099-2102.	1.4	31
31	Tuning aggregation-induced emission properties with the number of cyano and ester groups in the same dibenzo[b,d]thiophene skeleton for effective detection of explosives. Sensors and Actuators B: Chemical, 2018, 257, 303-311.	7.8	15
32	Construction of a Layered Hydrogen-Bonded Organic Framework Showing High-Contrast Mechanoresponsive Luminescence Turn-On. Journal of Physical Chemistry C, 2018, 122, 29488-29497.	3.1	16
33	Diazulenoâ€sâ€indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie - International Edition, 2018, 57, 16737-16741.	13.8	69
34	Environmental-friendly one-step fabrication of tertiary amine-functionalized adsorption resins for removal of benzophenone-4 from water. Journal of Cleaner Production, 2018, 203, 655-663.	9.3	20
35	Formation of a Macrocyclesâ€inâ€aâ€Macrocycle Superstructure with Allâ€gauche Conformation by Reversible Radical Association. Angewandte Chemie - International Edition, 2018, 57, 9023-9027.	13.8	35
36	Formation of a Macrocyclesâ€inâ€aâ€Macrocycle Superstructure with Allâ€gauche Conformation by Reversible Radical Association. Angewandte Chemie, 2018, 130, 9161-9165.	2.0	13

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37	A selective and colorimetric chemosensor for fluoride based on dimeric azulene boronate ester. Inorganic Chemistry Communication, 2018, 95, 17-21.	3.9	18
38	Study of Complete Oxidation of Formaldehyde Over MnOxâ€“CeO2 Mixed Oxide Catalysts at Ambient Temperature. Catalysis Letters, 2018, 148, 2880-2890.	2.6	16
39	Furan-based diketopyrrolopyrrole chromophores: Tuning the spectroscopic, electrochemical and aggregation-induced fluorescent properties with various intramolecular donor-acceptor spacers. Journal of Molecular Structure, 2017, 1143, 168-175.	3.6	5
40	Characteristic comparison of heavy metal contamination between road-deposited and roof-deposited sediments in suburban area. Environmental Science and Pollution Research, 2017, 24, 12871-12881.	5.3	9
41	Synthesis, aggregation-induced emission and application as chemosensor for explosives of a 1,10-phenanthroline derivative and its rhenium(I) carbonyl complex having triphenylamino and thienyl donors. Inorganic Chemistry Communication, 2017, 84, 15-19.	3.9	7
42	From heterocyclic hydrazone to hydrazone-azomethine dyes: Solvent and pH induced hydrazone and azo-keto transformation for a family of pyrazolone-based heterocyclic dyes. Dyes and Pigments, 2017, 137, 101-110.	3.7	18
43	Comparisons on isomeric 1,10-phenanthroline aromatic heterocyclic derivatives with triphenylamine and thiophene donors before and after rhenium(I) carbonyl complexation. Tetrahedron, 2016, 72, 3443-3453.	1.9	10
44	Crystal structures, solvatochromisms and DFT computations of three disperse azo dyes having the same azobenzene skeleton. Journal of Molecular Structure, 2016, 1123, 305-310.	3.6	19
45	Architectures and DFT calculations of polyrotaxane MOFs with nanoscale macrocycles. Dalton Transactions, 2016, 45, 3334-3339.	3.3	10
46	Substitution effects on the properties of 10,13-disubstituted dipyrido[3,2-a:2â€²,3â€²-c]phenazine donorâ€“acceptor compounds and their ruthenium(II) complexes. Tetrahedron, 2015, 71, 654-662.	1.9	8
47	Ruthenium sensitizers with various 2-thiophenimidazo[4,5-f][1,10]phenanthroline based ancillary ligands and their performance for dye-sensitized solar cells. Dyes and Pigments, 2015, 117, 100-107.	3.7	11
48	A fluorescent chemosensor for Zn2+ based on 3,8-bis(4-methoxyphenyl)-1,10-phenanthroline. Inorganic Chemistry Communication, 2015, 58, 99-102.	3.9	8
49	Structural and spectral comparisons between isomeric benzisothiazole and benzothiazole based aromatic heterocyclic dyes. Journal of Molecular Structure, 2015, 1095, 42-50.	3.6	10
50	A family of extended heterocyclic oligomers with thienylene/thiazolylene vinylene cores and triphenylamino/carbazolyl terminals. Tetrahedron, 2015, 71, 3966-3975.	1.9	2
51	Synthesis and aggregation-induced emission of a pyrene decorated chiral BODIPY chromophore. Inorganic Chemistry Communication, 2015, 62, 67-70.	3.9	10
52	Electric response of a metal-molecule-metal junction to laser pulse by solving hierarchical equations of motion. Journal of Chemical Physics, 2015, 142, 084705.	3.0	10
53	Fabrication of a Biomass-Based Hydrous Zirconium Oxide Nanocomposite for Preferable Phosphate Removal and Recovery. ACS Applied Materials & Interfaces, 2015, 7, 20835-20844.	8.0	130
54	Structureâ€“performance relationship for a family of disperse azo dyes having the same Dâ€“Îâ€“A 4-nitro-4â€²-amino-azobenzene skeleton: Structures, solvatochromism and DFT computations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1001-1009.	3.9	13

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55	A distinguishable photovoltaic performance on dye-sensitized solar cells using ruthenium sensitizers with a pair of isomeric ancillary ligands. Dalton Transactions, 2014, 43, 16601-16604.	3.3	12
56	Dipyrido[3,2â€‹a:2â€²,3â€²â€‹c]phenazineâ€Based Donorâ€“Acceptor Aromatic Heterocyclic Compounds with Thienyl and Triphenylamino Chromophores at the 2,7â€‹and/or 10,13â€Positions. Chemistry - an Asian Journal, 2014, 9, 514-525.	3.3	15
57	The first observation of cis and trans isomers for bibenzo[d]imidazole-based compounds influenced by halogen substituent effects. Inorganic Chemistry Communication, 2014, 42, 23-28.	3.9	3
58	Tuning the Spectroscopic, Electrochemical, and Single-Crystal Conductance Properties of a Series of Rhenium-Containing Bithiazoles with Different Donor/Acceptor Hybrids. Organometallics, 2014, 33, 5120-5128.	2.3	8
59	Architectural Diversity for Anion-Mediated Self-Assembly of Four Pairs of Silver(I) Polymeric Isomers Having Linear and V-Shaped Imidazole/Thiophene/Imidazole Bridging Spacers. Crystal Growth and Design, 2014, 14, 300-309.	3.0	24
60	Advantage of the Nâ€Alkylation Strategy for Retaining the Molecular Planarity for Oligothiophene/Imidazole/1,10â€Phenanthrolineâ€Based Heterocyclic Semiconducting and Fluorescent Compounds. Chemistry - an Asian Journal, 2014, 9, 3593-3603.	3.3	9
61	Functionalized oligothiophene-based heterocyclic aromatic fluorescent compounds with various donorâ€“acceptor spacers and adjustable electronic properties: a theoretical and experimental perspective. Tetrahedron, 2013, 69, 7290-7299.	1.9	26
62	Asymmetrical/Symmetrical Dâ€Ï€â€“A/Dâ€Ï€â€“D Thiazole-Containing Aromatic Heterocyclic Fluorescent Compounds Having the Same Triphenylamino Chromophores. Journal of Organic Chemistry, 2013, 78, 8669-8679.	3.2	53
63	Câ€“C bond cleavage in acetonitrile by copper(ii)â€“bipyridine complexes and in situ formation of cyano-bridged mixed-valent copper complexes. Dalton Transactions, 2013, 42, 3631.	3.3	38
64	Variation of cis/trans configuration of 3,8-dithiophen and 3,8-di-3-methylthiophen-substituted 1,10-phenanthroline in their cadmium(II) nitrate complexes originating from substituent and anionic effects. Inorganica Chimica Acta, 2013, 394, 576-582.	2.4	2
65	Temperature-Dependent Currentâ€“Voltage and Photoresponsive Properties for Semiconducting Nanodevices Fabricated from an Oligothiazole Dithiol and Gold Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 25325-25333.	3.1	9
66	Four sodium tetrafluoroborate directed supramolecular networks having 3- and 3,8-disubstituted 1,10-phenanthroline ligands. Inorganica Chimica Acta, 2013, 405, 1-8.	2.4	5
67	Two pairs of 1â€‰:â€‰2 nickel(ii) and copper(ii) metal-complex dyes showing the same trans configuration and azoâ€“hydrazone transformation but different thermal properties. Dalton Transactions, 2013, 42, 7679.	3.3	26
68	Coplanar Bithiazole-Centered Heterocyclic Aromatic Fluorescent Compounds Having Different Donor/Acceptor Terminal Groups. Journal of Organic Chemistry, 2013, 78, 2472-2481.	3.2	32
69	Sodium templated formation of a unique tetradecanuclear {Zn12(Î¼3-OH)6Na2(Î¼2-O)}18+ hetero-metal cluster core having an auxiliary bithiazole dibenzoate ligand. Inorganic Chemistry Communication, 2013, 31, 62-65.	3.9	5
70	Iterative online subspace learning for robust image alignment. , 2013, , .		2
71	Comparative structural and spectral analyses for mononuclear and dinuclear metal complexes of 2-thiophen and 2-(5-bromothiophen) imidazo[4,5-f][1,10]phenanthroline. CrystEngComm, 2012, 14, 8023.	2.6	16
72	A special case of copper(II) complex having monodentate and uncoordinated 4-aminopyridine molecules stabilized by highly cooperative supramolecular interactions. Inorganica Chimica Acta, 2012, 392, 465-468.	2.4	4

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73	The First Observation of One-Dimensional Naphthalenediimidato-Based Transition-Metal Coordination Polymers: Syntheses, Crystal Structures and Properties. Crystal Growth and Design, 2012, 12, 4580-4587.	3.0	21
74	Azo-hydrazone tautomerism observed from UV-vis spectra by pH control and metal-ion complexation for two heterocyclic disperse yellow dyes. Dalton Transactions, 2012, 41, 11107.	3.3	88
75	Comparisons between azo dyes and Schiff bases having the same benzothiazole/phenol skeleton: Syntheses, crystal structures and spectroscopic properties. Dyes and Pigments, 2012, 92, 916-922.	3.7	55
76	Zinc(ii) and cadmium(ii) coordination polymers mediated by rationally designed symmetrical/asymmetrical V-shaped heterocyclic aromatic ligands exhibiting different supramolecular architectures. CrystEngComm, 2011, 13, 6192.	2.6	7
77	Linear extension of bithiophene compounds by the combination of Câ€“N covalent bond cross-coupling and Nâ€“Ag coordinative bond formation. CrystEngComm, 2011, 13, 747-749.	2.6	14
78	Linear Heterocyclic Aromatic Fluorescence Compounds Having Various Donorâ€“Acceptor Spacers Prepared by the Combination of Carbonâ€“Carbon Bond and Carbonâ€“Nitrogen Bond Cross-Coupling Reactions. Journal of Organic Chemistry, 2011, 76, 4444-4456.	3.2	36
79	Two air oxidation copper(II) complexes of salicylaldehyde derivatives obtained by in situ copper(II) ion catalysis and complexation. Inorganic Chemistry Communication, 2011, 14, 1978-1981.	3.9	3
80	Supramolecular frameworks composed of copper(II), zinc(II), and ferrous(II) complexes having 3-bromo or 3,8-dibromo-1,10-phenanthroline ligand with different molar ratios of metal and ligand. Structural Chemistry, 2011, 22, 123-133.	2.0	6
81	Structural investigations on four heterocyclic Disperse Red azo dyes having the same benzothiazole/azo/benzene skeleton. Dyes and Pigments, 2011, 90, 65-70.	3.7	28
82	Alteration of molecular conformations and spectral properties for nickel(II), zinc(II) and copper(II) complexes having 3,8-di(thiophen-2â€²,2â€²â€²-yl)-1,10-phenanthroline ligands. Inorganica Chimica Acta, 2010, 363, 1348-1354.	2.4	8
83	Application of used cement blocks for the removal of phosphate from aqueous solution under low -temperature conditions. , 0, 154, 219-224.		0