Jian-Jun Liu

List of Publications by Year
in descending order

66	1,452	346980	388640
papers	citations	22 h-index	36 g-index

66	66	66	1454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encapsulating viologen derivatives in anionic MOFs: Photochromism and photocontrolled luminescence. Journal of Solid State Chemistry, 2022, 305, 122616.	1.4	6
2	Reversible photochromism and photoresponsive luminescence in naphthalene diimide-based framework with Lindqvist-type polyoxometalate template. Journal of Molecular Structure, 2022, 1251, 132011.	1.8	3
3	A viologen-derived host-guest MOF material: Photochromism, photoswitchable luminescence, and inkless and erasable printing. Journal of Solid State Chemistry, 2022, 306, 122812.	1.4	11
4	Cu(I)-organic framework as a platform for high-efficiency selective adsorption of methylene blue and reversible iodine uptake. Journal of Solid State Chemistry, 2022, 311, 123133.	1.4	4
5	Photochromic polyoxometalate/naphthalenediimide hybrid structure with visible-light-driven dye degradation. Journal of Solid State Chemistry, 2022, 312, 123236.	1.4	6
6	Improved and stable triazine-based covalent organic framework for lithium storage. Applied Surface Science, 2022, 594, 153481.	3.1	12
7	An electron-deficient MOF as an efficient electron-transfer catalyst for selective oxidative carbonâ€“carbon coupling of 2,6-di-tert-butylphenol. Dalton Transactions, 2022, 51, 8234-8239.	1.6	3
8	Nitrogen-rich two-dimensional Ï€-conjugated porous covalent quinazoline polymer for lithium storage. Energy Storage Materials, 2022, 50, 225-233.	9.5	20
9	Merging of the photocatalyst decatungstate and naphthalene diimide in a hybrid structure for the oxidative coupling of amines. Dalton Transactions, 2022, 51, 8472-8479.	1.6	1
10	The effect of dicarboxylic acid isomer on the photochromism of naphthalenediimide-based metal-organic frameworks. Journal of Molecular Structure, 2022, 1265, 133346.	1.8	3
11	The modulation effect of an electron-rich guest on the luminescence of naphthalene diimide-based metalâ€“organic frameworks. Inorganic Chemistry Frontiers, 2022, 9, 3898-3906.	3.0	12
12	Europium-cadmium organic framework with zwitterionic ligand exhibiting tunable luminescence, CO2 adsorption and dye degradation. Journal of Solid State Chemistry, 2022, 313, 123346.	1.4	2
13	New Stable Cuâ€“K Metalâ€“Organic Framework Constructed by a Bifunctional Ligand: Structure, Application in Dye Adsorption, and Catalytic CO₂ Cycloaddition Reaction. Crystal Growth and Design, 2022, 22, 4813-4820.	1.4	8
14	Encapsulating electron-rich guest in a MOF host through donor-acceptor interaction for highly tunable luminescence. Dyes and Pigments, 2022, 205, 110542.	2.0	4
15	Encapsulating organic guest cations in anionic MOFs that exhibit multi-responsive photochromism and photocontrolled luminescence. CrystEngComm, 2021, 23, 850-856.	1.3	19
16	A water-stable photochromic MOF with controllable iodine sorption and efficient removal of dichromate. CrystEngComm, 2021, 23, 7628-7634.	1.3	14
17	A two-component molecular hybrid with enhanced emission characteristics and mechanoresponsive luminescence properties. CrystEngComm, 2021, 23, 4320-4326.	1.3	8
18	A series of multi-responsive viologen-based alkaline-earth metal coordination complexes: Thermochromism, photochromism, and vapochromism. Journal of Molecular Structure, 2021, 1238, 130444.	1.8	7

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19	Two photochromic hybrid materials assembled from naphthalene diimide as photocatalysts for the degradation of carcinogenic dye basic red 9 under visible light. Journal of Molecular Structure, 2021, 1243, 130804.	1.8	2
20	A highly stable metalâ€“organic framework with cubane-like clusters for the selective oxidation of aryl alkenes to aldehydes or ketones. CrystEngComm, 2021, 23, 4667-4673.	1.3	9
21	Photoactive perylenediimide metalâ€“organic framework for boosting iodoperfluoroalkylation of alkenes and oxidative coupling of amines. Inorganic Chemistry Frontiers, 2021, 9, 111-118.	3.0	13
22	Photochromism and photoswitchable luminescence in a Zn₇ cluster-based metalâ€“organic framework with an organic guest. Dalton Transactions, 2021, 50, 17023-17028.	1.6	6
23	Rearrangement on surface structures by boride to enhanced cycle stability for LiNi0.80Co0.15Al0.05O2 cathode in lithium ion batteries. Journal of Energy Chemistry, 2020, 45, 110-118.	7.1	42
24	Photochromic and photocontrolled luminescence properties of two metal-organic frameworks constructed from a naphthalene diimide derivative. Dyes and Pigments, 2020, 172, 107856.	2.0	22
25	A heterometallic Dâ€“A hybrid heterostructural framework with enhanced visible-light photocatalytic properties. CrystEngComm, 2020, 22, 420-424.	1.3	17
26	A multifunctional photochromic metalâ€“organic framework with Lewis acid sites for selective amine and anion sensing. CrystEngComm, 2020, 22, 4124-4129.	1.3	29
27	The Influence of Anions on Electron-Transfer Photochromism of Bipyridinium-Derived Metalâ€“Organic Materials. Crystal Growth and Design, 2020, 20, 1729-1737.	1.4	43
28	Multifunctional naphthalene diimide-based coordination polymers: Photochromism and solventchromism. Dyes and Pigments, 2020, 177, 108269.	2.0	34
29	In-situ synthesis of nanocomposite from metal-organic frameworks template for high-performance rechargeable batteries. Journal of Power Sources, 2020, 464, 228247.	4.0	23
30	Extended Ï€-conjugated N-containing heteroaromatic hexacarboxylate organic anode for high performance rechargeable batteries. Journal of Energy Chemistry, 2020, 51, 303-311.	7.1	28
31	Naphthalimide-containing coordination polymer with mechanoresponsive luminescence and excellent metal ion sensing properties. Dalton Transactions, 2020, 49, 3174-3180.	1.6	20
32	Li+ intercalcation pseudocapacitance in Sn-based metal-organic framework for high capacity and ultra-stable Li ion storage. Journal of Power Sources, 2019, 440, 227162.	4.0	35
33	Switchable luminescent properties in two photochromic naphthalene diimide coordination networks. Journal of Solid State Chemistry, 2019, 277, 216-220.	1.4	10
34	Heterostructural SnO/SnO2@C composite fabricated from tin-based coordination polymer as high-performance anode materials for lithium ion batteries. Materials Letters, 2019, 251, 94-97.	1.3	12
35	Two metal-carboxylate-azide coordination networks derived from 1,4-bis(3-carboxylatopyridinium-1-methylene)benzene: Synthesis, structure and properties. Journal of Solid State Chemistry, 2019, 275, 88-94.	1.4	4
36	A fourfold interpenetrating cadmium(II) metalâ€“organic framework based on 2,4,6-tris(pyridin-4-yl)-1,3,5-triazine with reversible photochromic properties. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 372-377.	0.2	4

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37	A lanthanide-based coordination polymer as lithium ion battery anode with high cyclic stability. Materials Letters, 2019, 238, 171-174.	1.3	14
38	A thioether-containing luminescent metal-organic framework for highly selective and sensitive detection of Ag(I) ion. Journal of Solid State Chemistry, 2019, 270, 45-50.	1.4	11
39	Robust hexagonal nut-shaped titanium(IV) MOF with porous structure for ultra-high performance lithium storage. Electrochimica Acta, 2019, 296, 746-754.	2.6	62
40	Synthesis of Spherical Fluorine Modified Gradient Li-Ion Battery Cathode Material LiNi_{0.80}Co_{0.15}Al_{0.05}O₂by Simple Solid Phase Method. Journal of the Electrochemical Society, 2018, 165, A1019-A1026.	1.3	25
41	An inorganicâ€“organic hybrid supramolecular framework as a high-performance anode for lithium-ion batteries. Dalton Transactions, 2018, 47, 5166-5170.	1.6	22
42	Cocrystals of naphthalene diimide with naphthalene derivatives: A facile approach to tune the luminescent properties. Dyes and Pigments, 2018, 149, 59-64.	2.0	25
43	Two novel donorâ€“acceptor hybrid heterostructures with enhanced visible-light photocatalytic properties. Dalton Transactions, 2018, 47, 12041-12045.	1.6	26
44	Anion-Controlled Architecture and Photochromism of Naphthalene Diimide-Based Coordination Polymers. Polymers, 2018, 10, 165.	2.0	66
45	A two-dimensional Cd^{II} coordination polymer based on naphthalenediimide: synthesis, crystal structure and photochromic properties. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 94-99.	0.2	5
46	A photochromic zinc-based coordination polymer for a Li-ion battery anode with high capacity and stable cycling stability. Dalton Transactions, 2018, 47, 13222-13228.	1.6	24
47	Construction of a bicontinuous donorâ€“acceptor hybrid material at the molecular level by inserting inorganic nanowires into porous MOFs. Chemical Communications, 2017, 53, 4481-4484.	2.2	41
48	The Impact of Chargeâ€Ðistribution on Photochromic Properties in 1D Coordination Polymers. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1766-1770.	0.6	7
49	Assembly of donorâ€“acceptor hybrid heterostructures based on iodoplumbates and viologen coordination polymers. Dalton Transactions, 2017, 46, 11556-11560.	1.6	38
50	Anion-Mediated Architecture and Photochromism of Rigid Bipyridinium-Based Coordination Polymers. Crystal Growth and Design, 2016, 16, 2836-2842.	1.4	73
51	The catassembled generation of naphthalene diimide coordination networks with lone pair-Ï€ interactions. Science China Chemistry, 2016, 59, 1492-1497.	4.2	7
52	Encapsulating Naphthalene in an Electron-Deficient MOF to Enhance Fluorescence for Organic Amines Sensing. Inorganic Chemistry, 2016, 55, 3680-3684.	1.9	103
53	Syntheses and structures of discrete copper(II) and cadmium(II) supramolecular complexes based on 1,4-diacylthiosemicarbazone ligands. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 119-123.	0.2	1
54	Two-semiconductive-component hybrid coordination polymers with controllable photo-induced electron-transfer properties. Dalton Transactions, 2016, 45, 6339-6342.	1.6	47

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55	A panchromatic hybrid crystal of iodoplumbate nanowires and J-aggregated naphthalene diimides with long-lived charge-separated states. Dalton Transactions, 2015, 44, 5957-5960.	1.6	76
56	A three-dimensional cadmium(II) coordination polymer with unequal homochiral double-stranded concentric helical chains. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 289-293.	0.2	3
57	Mixed-metal metallocavitands: a new approach to tune their electrostatic potentials for controllable selectivity towards substituted benzene derivatives. Dalton Transactions, 2015, 44, 9370-9374.	1.6	6
58	Luminescent Coordination Polymer with Conjugated Lewis Acid Sites for the Detection of Organic Amines. Crystal Growth and Design, 2015, 15, 5040-5046.	1.4	73
59	The impact of lone pairâ€“Ï€ interactions on photochromic properties in 1-D naphthalene diimide coordination networks. Dalton Transactions, 2015, 44, 17312-17317.	1.6	48
60	Lone pairâ€“Ï€ interaction-induced generation of non-interpenetrated and photochromic cuboid 3-D naphthalene diimide coordination networks. Dalton Transactions, 2015, 44, 653-658.	1.6	46
61	Photogeneration of two reduction-active charge-separated states in a hybrid crystal of polyoxometalates and naphthalene diimides. Dalton Transactions, 2015, 44, 484-487.	1.6	38
62	A copper(I) coordination polymer incorporation the corrosion inhibitor 1H-benzotriazole: poly[Ì¼₃-benzotriazolato-Î²³N¹:N²:N³copper(I)] Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 599-602.	0.2	11
63	A pillared framework coordination polymer based on the Cd3(Î¼3-OH) unit: poly[[(Î¼4-5-aminotetrazolato-Î²4N1:N2:N3:N4)chlorido-Î¼3-hydroxido-(Î¼3-isonicotinato-Î²3N:O:Oâ€²)dicadmium(II)] 0.14-hydrate]. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 983-986.	0.2	1
64	A photochromic naphthalene diimide coordination network sensitized by polyoxometalates. Dalton Transactions, 2014, 43, 17908-17911.	1.6	53
65	Discrete polynuclear manganese nanorods: syntheses, crystal structures and magnetic properties. RSC Advances, 2014, 4, 40958-40963.	1.7	4
66	Correction to â€œThe Influence of Anions on Electron-Transfer Photochromism of Bipyridinium-Derived Metalâ€“Organic Materialsâ€. Crystal Growth and Design, 0, , .	1.4	0