

Chong-Bin Tian

List of Publications by Year in descending order

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25
papers

1,027
citations

516710

16
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580821

25
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docs citations

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times ranked

1422
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly chemical and thermally stable luminescent Eu _x Tb _{1-x} MOF materials for broad-range pH and temperature sensors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8065-8070.	5.5	163
2	Designed Assembly of Heterometallic Cluster Organic Frameworks Based on Anderson-Type Polyoxometalate Clusters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6462-6466.	13.8	150
3	A dual-walled cage MOF as an efficient heterogeneous catalyst for the conversion of CO ₂ under mild and co-catalyst free conditions. <i>Green Chemistry</i> , 2016, 18, 4086-4091.	9.0	127
4	Coordination-Directed Self-Assembly of Functional Polynuclear Lanthanide Supramolecular Architectures. <i>Chemical Reviews</i> , 2022, 122, 6374-6458.	47.7	109
5	Controlled Self-Assembly and Multistimuli-Responsive Interconversions of Three Conjoined Twin-Cages. <i>Journal of the American Chemical Society</i> , 2021, 143, 2016-2024.	13.7	64
6	Reversible crystal-to-amorphous-to-crystal phase transition and a large magnetocaloric effect in a spongelike metal organic framework material. <i>Chemical Communications</i> , 2014, 50, 1915.	4.1	59
7	Four New Mn ^{II} Inorganic-Organic Hybrid Frameworks with Diverse Inorganic Magnetic Chain TM s Sequences: Syntheses, Structures, Magnetic, NLO, and Dielectric Properties. <i>Inorganic Chemistry</i> , 2015, 54, 2560-2571.	4.0	57
8	Two new ferrimagnetic MnII-carboxylate coordination polymers constructed from 5-tert-butyl isophthalic acid with (5/2, 15/2) and (5/2, 10/2) spin topologies. <i>CrystEngComm</i> , 2011, 13, 3080.	2.6	38
9	Synthesis, structures, and magnetic properties of a series of new heterometallic hexanuclear Co ₂ Ln ₄ (Ln = Eu, Gd, Tb and Dy) clusters. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 695-704.	6.0	36
10	An unprecedented anionic Ln-MOF with a cage-within-cage motif: spontaneous reduction and immobilization of ion-exchanged Pd(ⁱⁱ) to Pd-NPs in the framework. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24525-24531.	10.3	27
11	Designed Assembly of Heterometallic Cluster Organic Frameworks Based on Anderson-Type Polyoxometalate Clusters. <i>Angewandte Chemie</i> , 2016, 128, 6572-6576.	2.0	24
12	Synthesis, Structures, and Magnetic Properties of Three 3D Coordination Polymers Based on M ₄ O ₄ Cubanes (M = Mn ^{II} , Fe ^{II} , Co ^{II}). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4029-4035.	2.0	22
13	Spontaneous resolution of a homochiral helix built from a tetra-nuclear nickel cluster. <i>CrystEngComm</i> , 2012, 14, 3347.	2.6	20
14	Magnetic Tuning of an Anionic Co ^{II} -MOF through Deionization of the Framework: Spin-Canting, Spin-Flop, and Easy-Plane Magnetic Anisotropy. <i>Chemistry - A European Journal</i> , 2017, 23, 767-772.	3.3	20
15	Coordination-Assembled Molecular Cages with Metal Cluster Nodes. <i>Chemical Record</i> , 2021, 21, 498-522.	5.8	19
16	Tuning the Topology from fcu to pcu: Synthesis and Magnetocaloric Effect of Metal-Organic Frameworks Based on a Hexanuclear Gd(III)-Hydroxy Cluster. <i>Crystal Growth and Design</i> , 2019, 19, 55-59.	3.0	17
17	3d-4f Heterometallic cluster incorporated polyoxoniobates with magnetic properties. <i>Chemical Communications</i> , 2021, 57, 8624-8627.	4.1	17
18	From a mononuclear FeL ₂ complex to a Fe ₄ L ₄ molecular square: Designed assembly and spin-crossover property. <i>Nano Research</i> , 2021, 14, 398-403.	10.4	13

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19	A new approach to fabricate the Mn(II)-based magnetic refrigerant through incorporation of a diamagnetic {LiO ₄ } spacer. Dalton Transactions, 2018, 47, 2143-2147.	3.3	12
20	Synthesis, Structure, and Magnetic Study of Two Tridecanuclear Planar Cobalt Clusters with Unique Core Geometries. European Journal of Inorganic Chemistry, 2013, 2013, 5534-5540.	2.0	11
21	Multistep Structural Transformation of a Magnetic Metal-Organic Framework: Possible Transformation Mechanism, Form Evolution, and Magnetic Properties. Crystal Growth and Design, 2020, 20, 1203-1210.	3.0	10
22	Synthesis, structure, magnetocaloric effect and DFT calculations of a MnII cluster-based inorganic coordination polymer. Journal of Alloys and Compounds, 2021, 878, 160353.	5.5	5
23	Mg _{1-x} Co _x Li ₂ (3,5-pdcH) ₂ (DMF) ₂ (x) Tj ETQq1 1 0.784314 Co ²⁺ ions. New Journal of Chemistry, 2018, 42, 5096-5101.	2.8	3
24	Cation modulated spin state and near room temperature transition within a family of compounds containing the same [FeL ₂] ²⁺ center. Dalton Transactions, 2022, 51, 3894-3901.	3.3	2
25	A Stable 3d ⁴ Heterometallic Cluster with Magneto-Optical Activity. Inorganic Chemistry, 2022, 61, 8746-8751.	4.0	2