

Julia Mayans

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1857077/julia-mayans-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

354
citations

10
h-index

15
g-index

54
ext. papers

518
ext. citations

4.2
avg, IF

4.26
L-index

#	Paper	IF	Citations
48	Quasi-isotropic SMMs: slow relaxation of the magnetization in polynuclear Cu/Mn complexes.. <i>Dalton Transactions</i> , 2022 ,	4.3	1
47	Single-Ion Anisotropy and Intramolecular Interactions in Ce and Nd Dimers. <i>Inorganic Chemistry</i> , 2021 , 60, 8692-8703	5.1	0
46	Exploring the Role of Intramolecular Interactions in the Suppression of Quantum Tunneling of the Magnetization in a 3d-4f Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2021 , 60, 9302-9308	5.1	7
45	Further synthetic investigation of the general lanthanoid(iii) [Ln(iii)]/copper(ii)/pyridine-2,6-dimethanol/carboxylate reaction system: {CuLn} coordination clusters (Ln = Dy, Tb, Ho) and their yttrium(iii) analogue. <i>Dalton Transactions</i> , 2021 , 50, 240-251	4.3	2
44	Family of Isomeric Cu-Ln (Ln = Gd, Tb, and Dy) Complexes Presenting Field-Induced Slow Relaxation of Magnetization Only for the Members Containing Gd. <i>Inorganic Chemistry</i> , 2021 , 60, 438-448	5.1	13
43	Field-induced slow magnetic relaxation and magnetocaloric effects in an oxalato-bridged gadolinium(iii)-based 2D MOF. <i>Dalton Transactions</i> , 2021 , 50, 3801-3805	4.3	4
42	Synthesis and characterization of new coordination compounds by the use of 2-pyridinemethanol and di- or tricarboxylic acids. <i>CrystEngComm</i> , 2021 , 23, 5489-5497	3.3	0
41	Correlating the axial Zero Field Splitting with the slow magnetic relaxation in Gd SIMs. <i>Chemical Communications</i> , 2021 , 57, 721-724	5.8	6
40	Structural and magnetic studies of mononuclear lanthanide complexes derived from N-rich chiral Schiff bases. <i>Dalton Transactions</i> , 2021 , 50, 1746-1753	4.3	1
39	Holmium(III) Single-Ion Magnet for Cryomagnetic Refrigeration Based on an MRI Contrast Agent Derivative. <i>Inorganic Chemistry</i> , 2021 , 60, 12719-12723	5.1	1
38	Zn and Cu-Based Coordination Polymers and Metal Organic Frameworks by the of Use of 2-Pyridyl Oximes and 1,3,5-Benzenetricarboxylic Acid. <i>Molecules</i> , 2021 , 26,	4.8	4
37	Expanding the NUIG MOF family: synthesis and characterization of new MOFs for selective CO adsorption, metal ion removal from aqueous systems, and drug delivery applications. <i>Dalton Transactions</i> , 2021 , 50, 6997-7006	4.3	1
36	Chiral Oxazolidine Complexes Derived from Phenolic Schiff Bases. <i>Crystal Growth and Design</i> , 2020 , 20, 4176-4184	3.5	3
35	Chiral Versus Non-Chiral [Mn Mn Na], [Mn Mn Na] and [Mn Mn Na] Clusters Derived from Schiff Bases or the Fight for Symmetry. <i>Chemistry - A European Journal</i> , 2020 , 26, 13053-13062	4.8	1
34	NaMnLn clusters with a non-equivalent core: chiral vs. meso isomerism. <i>Dalton Transactions</i> , 2020 , 49, 4216-4219	4.3	1
33	From Bowls to Capsules: Assembly of Hexanuclear Ni Rings Tailored by Alkali Cations. <i>Chemistry - A European Journal</i> , 2020 , 26, 11158-11169	4.8	
32	Facile synthesis of a new Cu(ii) complex with an unsymmetrical ligand and its use as an O donor metalloligand in the synthesis of Cu(ii)-Mn(ii) complexes: structures, magnetic properties, and catalytic oxidase activities. <i>Dalton Transactions</i> , 2020 , 49, 1276-1291	4.3	20

31	Roles of basicity and steric crowding of anionic coligands in catechol oxidase-like activity of Cu(II)-Mn(II) complexes. <i>Dalton Transactions</i> , 2020 , 49, 11268-11281	4.3	10
30	Modulation of Nuclearity in Cu-Mn Complexes of a N O Donor Ligand Depending upon Carboxylate Anions: Structures, Magnetic Properties and Catalytic Oxidase Activities. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 4055-4069	4.5	14
29	From 1D Coordination Polymers to Metal Organic Frameworks by the Use of 2-Pyridyl Oximes. <i>Materials</i> , 2020 , 13,	3.5	3
28	A biocompatible ZnNa ₂ -based metalorganic framework with high ibuprofen, nitric oxide and metal uptake capacity. <i>Materials Advances</i> , 2020 , 1, 2248-2260	3.3	3
27	Formation of a carbonato bridged Ni ₄ -complex by atmospheric CO ₂ fixation: Crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119175	2.7	4
26	A Novel Family of Triangular CoII ₂ LnIII and CoII ₂ YIII Clusters by the Employment of Di-2-Pyridyl Ketone. <i>Magnetochemistry</i> , 2019 , 5, 35	3.1	5
25	Chiral mononuclear lanthanide complexes derived from chiral Schiff bases: Structural and magnetic studies. <i>Polyhedron</i> , 2019 , 170, 264-270	2.7	10
24	{Ni} Cubanes from enantiomerically pure 2-(1-hydroxyethyl)pyridine ligands: supramolecular chirality. <i>Dalton Transactions</i> , 2019 , 48, 10427-10434	4.3	3
23	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. <i>Inorganic Chemistry</i> , 2019 , 58, 9581-9585	5.1	8
22	Decanuclear Fe clusters with hemiacetal ligands: a new {M(EO)} cluster core. <i>Dalton Transactions</i> , 2019 , 48, 13139-13142	4.3	
21	Lithium cations in a self-assembled electrostatic nanocapsule. <i>Dalton Transactions</i> , 2019 , 48, 16158-16164	4.3	1
20	Enhancement of magnetic relaxation properties with 3d diamagnetic cations in [ZnLn] and [NiLn], Ln = Kramers lanthanides. <i>Dalton Transactions</i> , 2019 , 48, 641-652	4.3	23
19	From Mesocates to Helicates: Structural, Magnetic and Chiro-Optical Studies on Nickel(II) Supramolecular Assemblies Derived from Tetradentate Schiff Bases. <i>Chemistry - A European Journal</i> , 2018 , 24, 7653-7663	4.8	10
18	Triple Halide Bridges in Chiral MnMnNa Cages: Structural and Magnetic Characterization. <i>Inorganic Chemistry</i> , 2018 , 57, 926-929	5.1	7
17	Chiral tetranuclear Ni II clusters derived from Schiff bases and azido co-ligands. <i>Polyhedron</i> , 2018 , 150, 10-14	2.7	7
16	Nickel(II) Coordination Clusters Based on N-salicylidene-4-chloro-oaminophenol: Synthetic and Structural Studies. <i>Current Inorganic Chemistry</i> , 2018 , 7, 48-65		2
15	Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies. <i>Magnetochemistry</i> , 2018 , 4, 45	3.1	6
14	Oximate-Based Ligands in 3 d/4 f-Metal Cluster Chemistry: A Family of {CuLn} Complexes with a "Propeller"-like Topology and Single-Molecule Magnetic Behavior. <i>Inorganic Chemistry</i> , 2018 , 57, 13944-13952	5.1	17

13	Chiral [Mn Mn Mn] (Mn=Na, Ca, Mn) and [Mn Mn Na] Clusters Built from an Enantiomerically Pure Schiff Base: Synthetic, Chiroptical, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 18705-18717	4.8	7
12	Chiroptical and magnetic properties of star-shaped Fe complexes from chiral Schiff bases. Structural and magnetic correlations based on continuous shape measures. <i>Dalton Transactions</i> , 2018 , 47, 8392-8401	4.3	10
11	Slow magnetic relaxation and luminescence properties in lanthanide(III)/anil complexes. <i>Dalton Transactions</i> , 2018 , 47, 11859-11872	4.3	10
10	Trinuclear Complexes Derived from R/S Schiff Bases [Chiral Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 990-990	2.3	
9	Four New Families of Polynuclear Zn-Ln Coordination Clusters. Synthetic, Topological, Magnetic, and Luminescent Aspects. <i>Crystal Growth and Design</i> , 2017 , 17, 1524-1538	3.5	23
8	Syntheses, structures, and chiroptical and magnetic properties of chiral clusters built from Schiff bases: a novel [MnMnNa] core. <i>Dalton Transactions</i> , 2017 , 46, 6514-6517	4.3	12
7	Trinuclear Complexes Derived from R/S Schiff Bases [Chiral Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 991-998	2.3	10
6	Transition Metal Single-Molecule Magnets: A {Mn} Nanosized Cluster with a Large Energy Barrier of ~60 K and Magnetic Hysteresis at ~5 K. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15644-15647 ^{16.4}	4.9	49
5	Using the Singly Deprotonated Triethanolamine to Prepare Dinuclear Lanthanide(III) Complexes: Synthesis, Structural Characterization and Magnetic Studies. <i>Magnetochemistry</i> , 2017 , 3, 5	3.1	14
4	Copper(II) cubanes with a {Cu ₄ O} core and well defined S = 1 ground state. <i>Dalton Transactions</i> , 2016 , 45, 1604-13	4.3	5
3	Linked Nickel Metallacrowns from a Phosphonate/2-Pyridyloximate Blend of Ligands: Structure and Magnetic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 3161-8	5.1	9
2	2-Pyridylcyanoxime-Ni(II) Clusters with Unusual Topologies: Lone-Pair Interactions and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5443-5450	2.3	5
1	Template synthesis of Ni(II) complexes of unsymmetrical Schiff base ligands derived from 1,3-diamino-2-propanol: structural diversity and magnetic properties. <i>New Journal of Chemistry</i> ,	3.6	2