

# Julia Mayans

## List of Publications by Citations

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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	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> , <b>2017</b> , 139, 15644-15647	16.4	49
47	Four New Families of Polynuclear Zn-Ln Coordination Clusters. Synthetic, Topological, Magnetic, and Luminescent Aspects. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 1524-1538	3.5	23
46	Enhancement of magnetic relaxation properties with 3d diamagnetic cations in [ZnLn] and [NiLn], Ln = Kramers lanthanides. <i>Dalton Transactions</i> , <b>2019</b> , 48, 641-652	4.3	23
45	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> , <b>2020</b> , 49, 1276-1291	4.3	20
44	Oximato-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> , <b>2018</b> , 57, 13944-13952	5.1	17
43	Using the Singly Deprotonated Triethanolamine to Prepare Dinuclear Lanthanide(III) Complexes: Synthesis, Structural Characterization and Magnetic Studies. <i>Magnetochemistry</i> , <b>2017</b> , 3, 5	3.1	14
42	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> , <b>2020</b> , 15, 4055-4069	4.5	14
41	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> , <b>2021</b> , 60, 438-448	5.1	13
40	Syntheses, structures, and chiroptical and magnetic properties of chiral clusters built from Schiff bases: a novel [MnMnNa] core. <i>Dalton Transactions</i> , <b>2017</b> , 46, 6514-6517	4.3	12
39	Trinuclear Complexes Derived from R/S Schiff Bases [Chiral Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 991-998	2.3	10
38	Chiral mononuclear lanthanide complexes derived from chiral Schiff bases: Structural and magnetic studies. <i>Polyhedron</i> , <b>2019</b> , 170, 264-270	2.7	10
37	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> , <b>2018</b> , 24, 7653-7663	4.8	10
36	Roles of basicity and steric crowding of anionic coligands in catechol oxidase-like activity of Cu(ii)-Mn(ii) complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11268-11281	4.3	10
35	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> , <b>2018</b> , 47, 8392-8401	4.3	10
34	Slow magnetic relaxation and luminescence properties in lanthanide(iii)/anil complexes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11859-11872	4.3	10
33	Linked Nickel Metallacrowns from a Phosphonate/2-Pyridyloximate Blend of Ligands: Structure and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3161-8	5.1	9
32	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9581-9585	5.1	8

31	Triple Halide Bridges in Chiral MnMnNa Cages: Structural and Magnetic Characterization. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 926-929	5.1	7
30	Chiral tetranuclear Ni II clusters derived from Schiff bases and azido co-ligands. <i>Polyhedron</i> , <b>2018</b> , 150, 10-14	2.7	7
29	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> , <b>2021</b> , 60, 9302-9308	5.1	7
28	Chiral [Mn Mn M] (M = 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> , <b>2018</b> , 24, 18705-18717	4.8	7
27	Correlating the axial Zero Field Splitting with the slow magnetic relaxation in Gd SIMs. <i>Chemical Communications</i> , <b>2021</b> , 57, 721-724	5.8	6
26	Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies. <i>Magnetochemistry</i> , <b>2018</b> , 4, 45	3.1	6
25	A Novel Family of Triangular CoII2LnIII and CoII2YIII Clusters by the Employment of Di-2-Pyridyl Ketone. <i>Magnetochemistry</i> , <b>2019</b> , 5, 35	3.1	5
24	Copper(II) cubanes with a {Cu4O} core and well defined S = 1 ground state. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1604-13	4.3	5
23	2-PyridylcyanoximeNiII Clusters with Unusual Topologies: Lone-Pair Interactions and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 5443-5450	2.3	5
22	Formation of a carbonato bridged Ni4-complex by atmospheric CO2 fixation: Crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 498, 119175	2.7	4
21	Field-induced slow magnetic relaxation and magnetocaloric effects in an oxalato-bridged gadolinium(iii)-based 2D MOF. <i>Dalton Transactions</i> , <b>2021</b> , 50, 3801-3805	4.3	4
20	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> , <b>2021</b> , 26,	4.8	4
19	{Ni} Cubanes from enantiomerically pure 2-(1-hydroxyethyl)pyridine ligands: supramolecular chirality. <i>Dalton Transactions</i> , <b>2019</b> , 48, 10427-10434	4.3	3
18	Chiral Oxazolidine Complexes Derived from Phenolic Schiff Bases. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 4176-4184	3.5	3
17	From 1D Coordination Polymers to Metal Organic Frameworks by the Use of 2-Pyridyl Oximes. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
16	A biocompatible ZnNa2-based metalorganic framework with high ibuprofen, nitric oxide and metal uptake capacity. <i>Materials Advances</i> , <b>2020</b> , 1, 2248-2260	3.3	3
15	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
14	Nickel(II) Coordination Clusters Based on N-salicylidene-4-chloro-oaminophenol: Synthetic and Structural Studies. <i>Current Inorganic Chemistry</i> , <b>2018</b> , 7, 48-65		2

13	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> , <b>2021</b> , 50, 240-251	4.3	2
12	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> , <b>2020</b> , 26, 13053-13062	4.8	1
11	NaMnLn clusters with a non-equivalent core: chiral vs. meso isomerism. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4216-4219	4.3	1
10	Quasi-isotropic SMMs: slow relaxation of the magnetization in polynuclear Cu/Mn complexes.. <i>Dalton Transactions</i> , <b>2022</b> ,	4.3	1
9	Lithium cations in a self-assembled electrostatic nanocapsule. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16158-16164	4.3	1
8	Structural and magnetic studies of mononuclear lanthanide complexes derived from N-rich chiral Schiff bases. <i>Dalton Transactions</i> , <b>2021</b> , 50, 1746-1753	4.3	1
7	Holmium(III) Single-Ion Magnet for Cryomagnetic Refrigeration Based on an MRI Contrast Agent Derivative. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12719-12723	5.1	1
6	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> , <b>2021</b> , 50, 6997-7006	4.3	1
5	Single-Ion Anisotropy and Intramolecular Interactions in Ce and Nd Dimers. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8692-8703	5.1	0
4	Synthesis and characterization of new coordination compounds by the use of 2-pyridinemethanol and di- or tricarboxylic acids. <i>CrystEngComm</i> , <b>2021</b> , 23, 5489-5497	3.3	0
3	Trinuclear Complexes Derived from R/S Schiff Bases [Chiral Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 990-990	2.3	
2	Decanuclear Fe clusters with hemiacetal ligands: a new {M(EO)} cluster core. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13139-13142	4.3	
1	From Bowls to Capsules: Assembly of Hexanuclear Ni Rings Tailored by Alkali Cations. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11158-11169	4.8	