Constantina Papatriantafyllopoulou

List of Publications by Year
in descending order

79 papers	2,182 citations	236833 25 h-index	243529 44 g-index
80 all docs	80 docs citations	80 times ranked	2007 citing authors

#	Article	IF	Citations
1	Filling the gap between the quantum and classical worlds of nanoscale magnetism: giant molecular aggregates based on paramagnetic 3d metal ions. Chemical Society Reviews, 2016, 45, 1597-1628.	18.7	207
2	Mn₂₁Dy Cluster with a Record Magnetization Reversal Barrier for a Mixed 3d/4f Single-Molecule Magnet. Inorganic Chemistry, 2011, 50, 421-423.	1.9	146
3	Nickel/Lanthanide Single-Molecule Magnets: {Ni₃Ln} â€œStarsâ€•with a Ligand Derived from the Metal-Promoted Reduction of Di-2-pyridyl Ketone under Solvothermal Conditions. Inorganic Chemistry, 2010, 49, 9737-9739.	1.9	97
4	A High-Nuclearity 3d/4f Metal Oxime Cluster: An Unusual Ni₈Dy₈ â€œCoreâ€™Shellâ€• Complex from the Use of 2-Pyridinealdoxime. Inorganic Chemistry, 2010, 49, 9743-9745.	1.9	89
5	A New Family of Nonanuclear Lanthanide Clusters Displaying Magnetic and Optical Properties. Inorganic Chemistry, 2011, 50, 11276-11278.	1.9	85
6	Combining Azide, Carboxylate, and 2-Pyridyloximate Ligands in Transition-Metal Chemistry: Ferromagnetic NiII5Clusters with a Bowtie Skeleton. Inorganic Chemistry, 2010, 49, 10486-10496.	1.9	76
7	Experimental and Theoretical Insight into Electrocatalytic Hydrogen Evolution with Nickel Bis(aryldithiolene) Complexes as Catalysts. Inorganic Chemistry, 2016, 55, 432-444.	1.9	76
8	Nimesulide Silver Metallodrugs, Containing the Mitochondriotropic, Triaryl Derivatives of Pnictogen; Anticancer Activity against Human Breast Cancer Cells. Inorganic Chemistry, 2016, 55, 8681-8696.	1.9	66
9	Carboxylate-Free Mn^{III}₂Ln^{III}₂(Ln = Lanthanide) and Mn^{III}₂Y^{III}₂Complexes from the Use of (2-Hydroxymethyl)pyridine: Analysis of Spin Frustration Effects. Inorganic Chemistry, 2011, 50, 8959-8966.	1.9	62
10	Use of the Sulfato Ligand in 3d-Metal Cluster Chemistry: A Family of Hexanuclear Nickel(II) Complexes with 2-Pyridyl-Substituted Oxime Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 2761-2774.	1.0	54
11	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni12 complex from the use of pyridine-2-amidoxime. Dalton Transactions, 2008, , 3153.	1.6	48
12	In search for mixed transition metal/lanthanide single-molecule magnets: Synthetic routes to NiII/TbIII and NiII/DyIII clusters featuring a 2-pyridyl oximate ligand. Polyhedron, 2009, 28, 1652-1655.	1.0	44
13	Assembly of a helical zinc(II) chain and a two-dimensional cadmium(II) coordination polymer using picolinate and sulfate anions as bridging ligands. Polyhedron, 2007, 26, 4053-4064.	1.0	42
14	The sulfate ligand as a promising â€œplayerâ€•in 3d-metal cluster chemistry. Inorganica Chimica Acta, 2009, 362, 634-650.	1.2	42
15	Initial employment of di-2-pyridyl ketone as a route to nickel(ii)/lanthanide(iii) clusters: triangular Ni2Ln complexes. Dalton Transactions, 2010, 39, 8603.	1.6	42
16	A Mn36Ni4 â€˜loop-of-loops-and-supertetrahedraâ€™ aggregate possessing a high ST = 26 Â± 1 spin ground state. Chemical Communications, 2012, 48, 5410.	2.2	42
17	Initial use of the di-2-pyridyl ketone/sulfate â€œblendâ€•in 3d-metal cluster chemistry: Preparation, X-ray structures and physical studies of zinc(II) and nickel(II) cubanes. Journal of Molecular Structure, 2007, 829, 176-188.	1.8	41
18	New metalo-therapeutics of NSAIDs against human breast cancer cells. European Journal of Medicinal Chemistry, 2018, 143, 1687-1701.	2.6	40

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19	2-Pyridyloximate clusters of cobalt and nickel. Polyhedron, 2007, 26, 1830-1834.	1.0	38
20	The search for cobalt single-molecule magnets: A disk-like CoIIICoII6 cluster with a ligand derived from a novel transformation of 2-acetylpyridine. Polyhedron, 2011, 30, 2987-2996.	1.0	38
21	In search of 3d/4f-metal single-molecule magnets: Nickel(II)/lanthanide(III) coordination clusters. Pure and Applied Chemistry, 2013, 85, 315-327.	0.9	37
22	The Highest-Nuclearity Manganese/Oximate Complex: An Unusual Mn^{II/III}₁₅ Cluster with an S = 6 Ground State. Inorganic Chemistry, 2010, 49, 3962-3964.	1.9	36
23	Mononuclear versus dinuclear complex formation in nickel(II) sulfate/phenyl(2-pyridyl)ketone oxime chemistry depending on the ligand to metal reaction ratio: Synthetic, spectral and structural studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 718-728.	2.0	35
24	Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. European Journal of Medicinal Chemistry, 2013, 66, 438-449.	2.6	32
25	A NiII cubane with a ligand derived from a unique metal ion-promoted, crossed-aldol reaction of acetone with di-2-pyridyl ketone. Polyhedron, 2011, 30, 3022-3025.	1.0	27
26	A rare all-Mn2+ decametallic cage from distorted face-sharing cubes. Inorganica Chimica Acta, 2007, 360, 61-68.	1.2	25
27	Employment of the sulfate ligand in 3d-metal cluster chemistry: A novel hexanuclear nickel(II) complex with a chair metal topology. Polyhedron, 2009, 28, 3177-3184.	1.0	25
28	Triangular NiII2LnIII and NiII2YIII complexes derived from di-2-pyridyl ketone: Synthesis, structures and magnetic properties. Polyhedron, 2011, 30, 2978-2986.	1.0	25
29	Heterometallic Mn^{III}₄Ln₂ (Ln = Dy, Gd, Tb) Cross-Shaped Clusters and Their Homometallic Mn^{III}₄Mn^{II}₂ Analogues. Inorganic Chemistry, 2017, 56, 5657-5668.	1.9	25
30	Poly Organotin Acetates against DNA with Possible Implementation on Human Breast Cancer. International Journal of Molecular Sciences, 2018, 19, 2055.	1.8	25
31	A mononuclear complex and a cubane cluster from the initial use of 2-(hydroxymethyl)pyridine in nickel(II) carboxylate chemistry. Polyhedron, 2009, 28, 3373-3381.	1.0	24
32	A single-chain magnet based on linear [Mn^{III}₂Mn^{II}] units. Chemical Communications, 2014, 50, 14873-14876.	2.2	24
33	Investigation of the Zinc Chloride / Methyl(2-pyridyl)ketone Oxime Reaction System: A Mononuclear Complex and an Inverse 12-Metallacrown-4 Cluster. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 37-46.	0.3	21
34	Investigation of the MSO4Â·xH2O (M=Zn, x=7; M=Cd, x=8/3)/methyl 2-pyridyl ketone oxime reaction system: A novel Cd(II) coordination polymer versus mononuclear and dinuclear Zn(II) complexes. Inorganica Chimica Acta, 2009, 362, 2361-2370.	1.2	21
35	In search of molecules displaying ferromagnetic exchange: multiple-decker Ni₁₂ and Ni₁₆ complexes from the use of pyridine-2-amidoxime. Dalton Transactions, 2016, 45, 17409-17419.	1.6	20
36	Approaches to Molecular Magnetic Materials from the Use of Cyanate Groups in Higher Oxidation State Metal Cluster Chemistry: Mn₁₄ and Mn₁₆. European Journal of Inorganic Chemistry, 2013, 2013, 2286-2290.	1.0	19

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37	Reactions of Nickel (II) Sulfate Hexahydrate with Methyl(2-pyridyl)ketone Oxime: Two Mononuclear Sulfato Complexes Containing the Neutral Ligand. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1123-1132.	0.3	18
38	A Mn^{II}₆Mn^{III}₆ Single-Strand Molecular Wheel with a Reuleaux Triangular Topology: Synthesis, Structure, Magnetism, and DFT Studies. Inorganic Chemistry, 2013, 52, 12070-12079.	1.9	18
39	Mn/Ce clusters from the use of pivalate and chelate ligands: MnIII8CeIV, MnIII2CeIV2, and MnIII4CeIII2 products. Polyhedron, 2013, 52, 196-206.	1.0	18
40	Binding of ligands containing carbonyl and phenol groups to iron(<scp>iii</scp>): new Fe₆, Fe₁₀and Fe₁₂coordination clusters. Dalton Transactions, 2017, 46, 3240-3251.	1.6	17
41	Triangular Ni(II) complexes from the use of 2-pyridyl oximes. Polyhedron, 2010, 29, 627-633.	1.0	16
42	Introducing Dimensionality to the Archetypical Mn₁₂ Single-Molecule Magnet: a Family of [Mn₁₂]_n Chains. Inorganic Chemistry, 2016, 55, 1367-1369.	1.9	16
43	High-nuclearity nickel(II) clusters: Ni13 complexes from the use of 1-hydroxybenzotriazole. Polyhedron, 2009, 28, 1903-1911.	1.0	15
44	The supramolecular chemistry of metal complexes with heavily substituted imidazoles as ligands: Cobalt(II) and zinc(II) complexes of 1-methyl-4,5-diphenylimidazole. Polyhedron, 2009, 28, 3349-3355.	1.0	14
45	Homometallic {Mn10} and heterometallic {Mn6Ca4} supertetrahedra exhibiting an unprecedented {MnIII9MnII} oxidation state level and heterometal ions distribution. Polyhedron, 2018, 151, 433-440.	1.0	14
46	Copper(II)/di-2-pyridyl ketone chemistry: A triangular cluster displaying antisymmetric exchange versus an 1D coordination polymer. Polyhedron, 2013, 64, 30-37.	1.0	13
47	The first tridecanuclear nickel(II) cluster: [Ni13(OH)6(O2CMe)8(btaO)12(H2O)6(nPrOH)4] (btaOH=1-hydroxybenzotriazole). Inorganic Chemistry Communication, 2008, 11, 454-460.	1.8	12
48	Spin decoherence in an iron-based magnetic cluster. Polyhedron, 2011, 30, 3193-3196.	1.0	12
49	Supramolecular features in the engineering of 3d metal complexes with phenyl-substituted imidazoles as ligands: the case of copper(<scp>ii</scp>). CrystEngComm, 2015, 17, 7510-7521.	1.3	11
50	ZnII and CuII-Based Coordination Polymers and Metal Organic Frameworks by the of Use of 2-Pyridyl Oximes and 1,3,5-Benzenetricarboxylic Acid. Molecules, 2021, 26, 491.	1.7	11
51	Expanding the NUIG MOF family: synthesis and characterization of new MOFs for selective CO₂ adsorption, metal ion removal from aqueous systems, and drug delivery applications. Dalton Transactions, 2021, 50, 6997-7006.	1.6	11
52	A Systematic Evaluation of the Interplay of Weak and Strong Supramolecular Interactions in a Series of Co(II) and Zn(II) Complexes Tuned by Ligand Modification. Crystal Growth and Design, 2012, 12, 429-444.	1.4	10
53	Heterometallic FeIIIâ€“CeIV complexes from the use of aliphatic aminoalcohol ligands. Polyhedron, 2013, 52, 346-354.	1.0	10
54	Discrete and encapsulated molecular grids: homometallic Mn₁₅ and heterometallic Mn₂₄Ni₂ aggregates. Chemical Communications, 2014, 50, 9090-9093.	2.2	10

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55	Reactivity and Mechanism of Photo- and Electrocatalytic Hydrogen Evolution by a Diimine Copper(I) Complex. Catalysts, 2020, 10, 1302.	1.6	10
56	Mononuclear and Dinuclear Manganese(II) Complexes from the Use of Methyl(2-pyridyl)ketone Oxime. Bioinorganic Chemistry and Applications, 2010, 2010, 1-9.	1.8	9
57	A square planar nickel(II) complex derived from a unique metal ion-promoted transformation of 2-benzoylpyridine. Inorganic Chemistry Communication, 2016, 64, 53-55.	1.8	9
58	Supramolecular patterns of cationic and neutral Ni(ii) complexes from the interplay of hydrogen-bonding, stacking interactions and metal-coordination motifs. CrystEngComm, 2012, 14, 6492.	1.3	8
59	A Novel Family of Triangular CoII2LnIII and CoII2YIII Clusters by the Employment of Di-2-Pyridyl Ketone. Magnetochemistry, 2019, 5, 35.	1.0	8
60	A biocompatible ZnNa2-based metalâ€“organic framework with high ibuprofen, nitric oxide and metal uptake capacity. Materials Advances, 2020, 1, 2248-2260.	2.6	8
61	Hexanuclear complexes from the use of a series of amino-alcohol ligands in Fe chemistry. Polyhedron, 2013, 64, 218-230.	1.0	7
62	New insights into oximic ligands: Synthesis and characterization of 1D chains by the use of pyridine 2-amidoxime and polycarboxylates. Polyhedron, 2018, 151, 360-368.	1.0	7
63	Giant Heterometallic [Mn36Ni4]0/2â˜ and [Mn32Co8] â€œLoops-of-Loops-and-Supertetrahedraâ€•Molecular Aggregates. Frontiers in Chemistry, 2019, 7, 96.	1.8	7
64	From 1D Coordination Polymers to Metal Organic Frameworks by the Use of 2-Pyridyl Oximes. Materials, 2020, 13, 4084.	1.3	7
65	Synthesis, magnetic and spectroscopic characterization of a new Fe7 cluster with a six-pointed star topology. Polyhedron, 2013, 64, 280-288.	1.0	6
66	A Ni11 Coordination Cluster from the Use of the Di-2-Pyridyl Ketone/Acetate Ligand Combination: Synthetic, Structural and Magnetic Studies. Magnetochemistry, 2016, 2, 30.	1.0	6
67	Cyanate groups in higher oxidation state metal cluster chemistry: Mixed-valence (II/III) Mn16 and Mn18 clusters. Polyhedron, 2016, 108, 131-142.	1.0	6
68	Synthesis and characterisation of new Ni2Mn, Ni2Mn2 and Mn8 clusters by the use of 2-pyridyl oximes. Polyhedron, 2019, 171, 330-337.	1.0	6
69	Establishing Structureâ€“Activity Relationships in Photocatalytic Systems by Using Nickel Bis(dithiolene) Complexes as Proton Reduction Catalysts. European Journal of Inorganic Chemistry, 2019, 2019, 4908-4919.	1.0	6
70	High nuclearity structurally â€“ related Mn supertetrahedral T4 aggregates. Chemical Communications, 2021, 57, 12484-12487.	2.2	5
71	NUIG4: A biocompatible pcu metalâ€“organic framework with an exceptional doxorubicin encapsulation capacity. Journal of Materials Chemistry B, 2022, 10, 1378-1385.	2.9	4
72	Synthesis and Structural Characterization of a New Tetranuclear Nickel(II) Sulfato Complex Containing the Anionic Form of Di-2-Pyridyl Ketone Oxime. International Journal of Inorganic Chemistry, 2011, 2011, 1-9.	0.6	3

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73	Solvent-dependent access to mono- and dinuclear copper(ii) assemblies based on a flexible imidazole ligand. CrystEngComm, 2016, 18, 4733-4743.	1.3	3
74	Synthesis and characterization of new coordination compounds by the use of 2-pyridinemethanol and di- or tricarboxylic acids. CrystEngComm, 2021, 23, 5489-5497.	1.3	3
75	Rare nuclearities in Mn/oxo cluster chemistry: Synthesis and characterization of a mixed-valence {MnII/III11} complex bearing acetate and salicylhydroximate(-3) bridging/chelating ligands. Polyhedron, 2021, 206, 115298.	1.0	3
76	Mn^{III} ₂Ln^{III} ₂ (Ln = Gd, Dy, Ho) Complexes From The Initial Employment of 1,3-Propanediol In Mixed 3d/4f Metal Cluster Chemistry. Current Inorganic Chemistry, 2013, 3, 86-93.	0.2	3
77	Mixedâ€Ligand Metalâ€Organic Frameworks: Synthesis and Characterization of New MOFs Containing Pyridineâ€2,6â€dimethanolate and Benzeneâ€1,4â€dicarboxylate Ligands. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	3
78	The Structure of Bis(dimethyldithioarsinato)gallium(III) Sulfide [(Me₂AsS₂)₂Ga]₂SÂ·0.75H₂O: A Hydrolysis Product of (Me₂AsS₂)₃Ga that Contains a Bridging Sulfide and both Pendant and Bridging Dimethyldithioarsinato Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1654-1657.	0.6	0
79	Influence of ligand positional isomerism on the molecular and supramolecular structures of cobalt(II)-phenylimidazole complexes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 599-610.	0.5	0