

Constantina Papatriantafyllopoulou

List of Publications by Year in descending order

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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	NUIG4: A biocompatible pcu metal-organic framework with an exceptional doxorubicin encapsulation capacity. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1378-1385.	2.9	4
2	Mixed-Ligand Metal-Organic Frameworks: Synthesis and Characterization of New MOFs Containing Pyridine-2,6-dimethanolate and Benzene-1,4-dicarboxylate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	3
3	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.	1.3	3
4	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. <i>Polyhedron</i> , 2021, 206, 115298.	1.0	3
5	ZnII and CuII-Based Coordination Polymers and Metal Organic Frameworks by the Use of 2-Pyridyl Oximes and 1,3,5-Benzenetricarboxylic Acid. <i>Molecules</i> , 2021, 26, 491.	1.7	11
6	Expanding the NUIG MOF family: synthesis and characterization of new MOFs for selective CO ₂ adsorption, metal ion removal from aqueous systems, and drug delivery applications. <i>Dalton Transactions</i> , 2021, 50, 6997-7006.	1.6	11
7	High nuclearity structurally related Mn supertetrahedral T4 aggregates. <i>Chemical Communications</i> , 2021, 57, 12484-12487.	2.2	5
8	Reactivity and Mechanism of Photo- and Electrocatalytic Hydrogen Evolution by a Diimine Copper(I) Complex. <i>Catalysts</i> , 2020, 10, 1302.	1.6	10
9	From 1D Coordination Polymers to Metal Organic Frameworks by the Use of 2-Pyridyl Oximes. <i>Materials</i> , 2020, 13, 4084.	1.3	7
10	A biocompatible ZnNa ₂ -based metal-organic framework with high ibuprofen, nitric oxide and metal uptake capacity. <i>Materials Advances</i> , 2020, 1, 2248-2260.	2.6	8
11	Influence of ligand positional isomerism on the molecular and supramolecular structures of cobalt(II)-phenylimidazole complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 599-610.	0.5	0
12	Synthesis and characterisation of new Ni ₂ Mn, Ni ₂ Mn ₂ and Mn ₈ clusters by the use of 2-pyridyl oximes. <i>Polyhedron</i> , 2019, 171, 330-337.	1.0	6
13	A Novel Family of Triangular Coll ₂ LnIII and Coll ₂ YIII Clusters by the Employment of Di-2-Pyridyl Ketone. <i>Magnetochemistry</i> , 2019, 5, 35.	1.0	8
14	Giant Heterometallic [Mn ₃₆ Ni ₄]O ₂ and [Mn ₃₂ Co ₈] - Loops-of-Loops-and-Supertetrahedra - Molecular Aggregates. <i>Frontiers in Chemistry</i> , 2019, 7, 96.	1.8	7
15	Establishing Structure-Activity Relationships in Photocatalytic Systems by Using Nickel Bis(dithiolene) Complexes as Proton Reduction Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4908-4919.	1.0	6
16	New metallo-therapeutics of NSAIDs against human breast cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1687-1701.	2.6	40
17	Homometallic {Mn ₁₀ } and heterometallic {Mn ₆ Ca ₄ } supertetrahedra exhibiting an unprecedented {MnII/III9MnII} oxidation state level and heterometal ions distribution. <i>Polyhedron</i> , 2018, 151, 433-440.	1.0	14
18	Poly Organotin Acetates against DNA with Possible Implementation on Human Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2055.	1.8	25

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19	New insights into oximic ligands: Synthesis and characterization of 1D chains by the use of pyridine 2-amidoxime and polycarboxylates. <i>Polyhedron</i> , 2018, 151, 360-368.	1.0	7
20	Binding of ligands containing carbonyl and phenol groups to iron(ⁱⁱⁱ): new Fe ₆ , Fe ₁₀ and Fe ₁₂ coordination clusters. <i>Dalton Transactions</i> , 2017, 46, 3240-3251.	1.6	17
21	Heterometallic Mn ^{III} ₄ Ln ₂ (Ln = Dy, Gd, Tb) Cross-Shaped Clusters and Their Homometallic Mn ^{III} ₄ Mn ^{II} ₂ Analogues. <i>Inorganic Chemistry</i> , 2017, 56, 5657-5668.	1.9	25
22	A Ni ^{II} Coordination Cluster from the Use of the Di-2-Pyridyl Ketone/Acetate Ligand Combination: Synthetic, Structural and Magnetic Studies. <i>Magnetochemistry</i> , 2016, 2, 30.	1.0	6
23	Solvent-dependent access to mono- and dinuclear copper(ii) assemblies based on a flexible imidazole ligand. <i>CrystEngComm</i> , 2016, 18, 4733-4743.	1.3	3
24	In search of molecules displaying ferromagnetic exchange: multiple-decker Ni ₁₂ and Ni ₁₆ complexes from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2016, 45, 17409-17419.	1.6	20
25	Nimesulide Silver Metallodrugs, Containing the Mitochondriotropic, Triaryl Derivatives of Pnictogen; Anticancer Activity against Human Breast Cancer Cells. <i>Inorganic Chemistry</i> , 2016, 55, 8681-8696.	1.9	66
26	Filling the gap between the quantum and classical worlds of nanoscale magnetism: giant molecular aggregates based on paramagnetic 3d metal ions. <i>Chemical Society Reviews</i> , 2016, 45, 1597-1628.	18.7	207
27	Cyanate groups in higher oxidation state metal cluster chemistry: Mixed-valence (II/III) Mn ₁₆ and Mn ₁₈ clusters. <i>Polyhedron</i> , 2016, 108, 131-142.	1.0	6
28	Experimental and Theoretical Insight into Electrocatalytic Hydrogen Evolution with Nickel Bis(aryldithiolene) Complexes as Catalysts. <i>Inorganic Chemistry</i> , 2016, 55, 432-444.	1.9	76
29	Introducing Dimensionality to the Archetypical Mn ₁₂ Single-Molecule Magnet: a Family of [Mn ₁₂] _n Chains. <i>Inorganic Chemistry</i> , 2016, 55, 1367-1369.	1.9	16
30	A square planar nickel(II) complex derived from a unique metal ion-promoted transformation of 2-benzoylpyridine. <i>Inorganic Chemistry Communication</i> , 2016, 64, 53-55.	1.8	9
31	Supramolecular features in the engineering of 3d metal complexes with phenyl-substituted imidazoles as ligands: the case of copper(ⁱⁱ). <i>CrystEngComm</i> , 2015, 17, 7510-7521.	1.3	11
32	The Structure of Bis(dimethyldithioarsinato)gallium(III) Sulfide [(Me ₂ AsS ₂) ₂ Ga] ₂ ·0.75H ₂ O: A Hydrolysis Product of (Me ₂ AsS ₂) ₃ Ga that Contains a Bridging Sulfide and both Pendant and Bridging Dimethyldithioarsinato Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1654-1657.	0.6	0
33	A single-chain magnet based on linear [Mn ^{III} ₂ Mn ^{II}] _n units. <i>Chemical Communications</i> , 2014, 50, 14873-14876.	2.2	24
34	Discrete and encapsulated molecular grids: homometallic Mn ₁₅ and heterometallic Mn ₂₄ Ni ₂ aggregates. <i>Chemical Communications</i> , 2014, 50, 9090-9093.	2.2	10
35	Synthesis, magnetic and spectroscopic characterization of a new Fe ₇ cluster with a six-pointed star topology. <i>Polyhedron</i> , 2013, 64, 280-288.	1.0	6
36	A Mn ^{II} ₆ Mn ^{III} ₆ Single-Strand Molecular Wheel with a Reuleaux Triangular Topology: Synthesis, Structure, Magnetism, and DFT Studies. <i>Inorganic Chemistry</i> , 2013, 52, 12070-12079.	1.9	18

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37	Hexanuclear complexes from the use of a series of amino-alcohol ligands in Fe chemistry. <i>Polyhedron</i> , 2013, 64, 218-230.	1.0	7
38	Copper(II)/di-2-pyridyl ketone chemistry: A triangular cluster displaying antisymmetric exchange versus an 1D coordination polymer. <i>Polyhedron</i> , 2013, 64, 30-37.	1.0	13
39	In search of 3d/4f-metal single-molecule magnets: Nickel(II)/lanthanide(III) coordination clusters. <i>Pure and Applied Chemistry</i> , 2013, 85, 315-327.	0.9	37
40	Mn/Ce clusters from the use of pivalate and chelate ligands: MnIII ₈ CeIV, MnIII ₂ CeIV ₂ , and MnIII ₄ CeIII ₂ products. <i>Polyhedron</i> , 2013, 52, 196-206.	1.0	18
41	Heterometallic FeIII–CeIV complexes from the use of aliphatic aminoalcohol ligands. <i>Polyhedron</i> , 2013, 52, 346-354.	1.0	10
42	Approaches to Molecular Magnetic Materials from the Use of Cyanate Groups in Higher Oxidation State Metal Cluster Chemistry: Mn ₁₄ and Mn ₁₆ . <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2286-2290.	1.0	19
43	Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 438-449.	2.6	32
44	Mn ^{III} Ln ^{III} (Ln = Gd, Dy, Ho) Complexes From The Initial Employment of 1,3-Propanediol In Mixed 3d/4f Metal Cluster Chemistry. <i>Current Inorganic Chemistry</i> , 2013, 3, 86-93.	0.2	3
45	A Mn ₃₆ Ni ₄ loop-of-loops-and-supertetrahedra TM aggregate possessing a high ST = 26 ± 1 spin ground state. <i>Chemical Communications</i> , 2012, 48, 5410.	2.2	42
46	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. <i>Crystal Growth and Design</i> , 2012, 12, 429-444.	1.4	10
47	Supramolecular patterns of cationic and neutral Ni(II) complexes from the interplay of hydrogen-bonding, stacking interactions and metal-coordination motifs. <i>CrystEngComm</i> , 2012, 14, 6492.	1.3	8
48	A New Family of Nonanuclear Lanthanide Clusters Displaying Magnetic and Optical Properties. <i>Inorganic Chemistry</i> , 2011, 50, 11276-11278.	1.9	85
49	Carboxylate-Free Mn ^{III} ₂ Ln ^{III} ₂ (Ln = Lanthanide) and Mn ^{III} ₂ Y ^{III} ₂ Complexes from the Use of (2-Hydroxymethyl)pyridine: Analysis of Spin Frustration Effects. <i>Inorganic Chemistry</i> , 2011, 50, 8959-8966.	1.9	62
50	Triangular NiII ₂ LnIII and NiII ₂ YIII complexes derived from di-2-pyridyl ketone: Synthesis, structures and magnetic properties. <i>Polyhedron</i> , 2011, 30, 2978-2986.	1.0	25
51	The search for cobalt single-molecule magnets: A disk-like CoII ₆ cluster with a ligand derived from a novel transformation of 2-acetylpyridine. <i>Polyhedron</i> , 2011, 30, 2987-2996.	1.0	38
52	A NiII cubane with a ligand derived from a unique metal ion-promoted, crossed-aldol reaction of acetone with di-2-pyridyl ketone. <i>Polyhedron</i> , 2011, 30, 3022-3025.	1.0	27
53	Spin decoherence in an iron-based magnetic cluster. <i>Polyhedron</i> , 2011, 30, 3193-3196.	1.0	12
54	Mn ₂₁ Dy Cluster with a Record Magnetization Reversal Barrier for a Mixed 3d/4f Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2011, 50, 421-423.	1.9	146

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55	Synthesis and Structural Characterization of a New Tetranuclear Nickel(II) Sulfato Complex Containing the Anionic Form of Di-2-Pyridyl Ketone Oxime. <i>International Journal of Inorganic Chemistry</i> , 2011, 2011, 1-9.	0.6	3
56	Triangular Ni(II) complexes from the use of 2-pyridyl oximes. <i>Polyhedron</i> , 2010, 29, 627-633.	1.0	16
57	Mononuclear and Dinuclear Manganese(II) Complexes from the Use of Methyl(2-pyridyl)ketone Oxime. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-9.	1.8	9
58	Nickel/Lanthanide Single-Molecule Magnets: {Ni ₃ Ln} with a Ligand Derived from the Metal-Promoted Reduction of Di-2-pyridyl Ketone under Solvothermal Conditions. <i>Inorganic Chemistry</i> , 2010, 49, 9737-9739.	1.9	97
59	A High-Nuclearity 3d/4f Metal Oxime Cluster: An Unusual Ni ₈ Dy ₈ Core-Shell Complex from the Use of 2-Pyridinealdoxime. <i>Inorganic Chemistry</i> , 2010, 49, 9743-9745.	1.9	89
60	The Highest-Nuclearity Manganese/Oximate Complex: An Unusual Mn ^{II/III} ₁₅ Cluster with an <i>S</i> = 6 Ground State. <i>Inorganic Chemistry</i> , 2010, 49, 3962-3964.	1.9	36
61	Combining Azide, Carboxylate, and 2-Pyridyloximate Ligands in Transition-Metal Chemistry: Ferromagnetic Ni ₅ Clusters with a Bowtie Skeleton. <i>Inorganic Chemistry</i> , 2010, 49, 10486-10496.	1.9	76
62	Initial employment of di-2-pyridyl ketone as a route to nickel(ii)/lanthanide(iii) clusters: triangular Ni ₂ Ln complexes. <i>Dalton Transactions</i> , 2010, 39, 8603.	1.6	42
63	The sulfate ligand as a promising player in 3d-metal cluster chemistry. <i>Inorganica Chimica Acta</i> , 2009, 362, 634-650.	1.2	42
64	Investigation of the MSO ₄ ·xH ₂ O (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. <i>Inorganica Chimica Acta</i> , 2009, 362, 2361-2370.	1.2	21
65	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. <i>Polyhedron</i> , 2009, 28, 1652-1655.	1.0	44
66	High-nuclearity nickel(II) clusters: Ni ₁₃ complexes from the use of 1-hydroxybenzotriazole. <i>Polyhedron</i> , 2009, 28, 1903-1911.	1.0	15
67	Employment of the sulfate ligand in 3d-metal cluster chemistry: A novel hexanuclear nickel(II) complex with a chair metal topology. <i>Polyhedron</i> , 2009, 28, 3177-3184.	1.0	25
68	The supramolecular chemistry of metal complexes with heavily substituted imidazoles as ligands: Cobalt(II) and zinc(II) complexes of 1-methyl-4,5-diphenylimidazole. <i>Polyhedron</i> , 2009, 28, 3349-3355.	1.0	14
69	A mononuclear complex and a cubane cluster from the initial use of 2-(hydroxymethyl)pyridine in nickel(II) carboxylate chemistry. <i>Polyhedron</i> , 2009, 28, 3373-3381.	1.0	24
70	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 718-728.	2.0	35
71	The first tridecanuclear nickel(II) cluster: [Ni ₁₃ (OH) ₆ (O ₂ CMe) ₈ (btaO) ₁₂ (H ₂ O) ₆ (nPrOH) ₄] (btaOH=1-hydroxybenzotriazole). <i>Inorganic Chemistry Communication</i> , 2008, 11, 454-460.	1.8	12
72	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni ₁₂ complex from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2008, , 3153.	1.6	48

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73	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
74	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
75	A rare all-Mn ²⁺ decametallc cage from distorted face-sharing cubes. Inorganica Chimica Acta, 2007, 360, 61-68.	1.2	25
76	Initial use of the di-2-pyridyl ketone/sulfate "blend" 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
77	2-Pyridyloximate clusters of cobalt and nickel. Polyhedron, 2007, 26, 1830-1834.	1.0	38
78	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
79	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