

Garikoitz Beobide

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85
papers

2,245
citations

28
h-index

45
g-index

94
ext. papers

2,593
ext. citations

5.3
avg, IF

4.94
L-index

#	Paper	IF	Citations
85	Copper-Based Metal-Organic Porous Materials for CO Electrochemical Reduction to Alcohols. <i>ChemSusChem</i> , 2017 , 10, 1100-1109	8.3	208
84	Development of multifunctional sol-gel coatings: Anti-reflection coatings with enhanced self-cleaning capacity. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1081-1088	6.4	151
83	Methanol electrosynthesis from CO ₂ at Cu ₂ O/ZnO prompted by pyridine-based aqueous solutions. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 164-172	7.6	86
82	Cu/Bi metal-organic framework-based systems for an enhanced electrochemical transformation of CO ₂ to alcohols. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 157-165	7.6	84
81	Supramolecular architectures and magnetic properties of coordination polymers based on pyrazinedicarboxylate ligands showing embedded water clusters. <i>Inorganic Chemistry</i> , 2006 , 45, 5367-82 ^{5.1}	5.1	79
80	Metal-carboxylate-nucleobase systems: From supramolecular assemblies to 3D porous materials. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2716-2736	23.2	73
79	Supramolecular architectures assembled by the interaction of purine nucleobases with metal-oxalate frameworks. Non-covalent stabilization of the 7H-adenine tautomer in the solid-state. <i>Dalton Transactions</i> , 2006 , 902-11	4.3	73
78	Rational Design of 2D Magnetic Metal-Organic Coordination Polymers Assembled from Oxalate and Dipyridyl Spacers. <i>Crystal Growth and Design</i> , 2006 , 6, 1839-1847	3.5	72
77	Scandium/Alkaline Metal-Organic Frameworks: Adsorptive Properties and Ionic Conductivity. <i>Chemistry of Materials</i> , 2016 , 28, 2519-2528	9.6	61
76	Synthesis of heterometallic metal-organic frameworks and their performance as electrocatalyst for CO reduction. <i>RSC Advances</i> , 2018 , 8, 21092-21099	3.7	59
75	Lanthanide(III)/pyrimidine-4,6-dicarboxylate/oxalate extended frameworks: a detailed study based on the lanthanide contraction and temperature effects. <i>Inorganic Chemistry</i> , 2011 , 50, 8437-51	5.1	59
74	A direct reaction approach for the synthesis of zeolitic imidazolate frameworks: template and temperature mediated control on network topology and crystal size. <i>Chemical Communications</i> , 2012 , 48, 9930-2	5.8	55
73	Paddle-Wheel Shaped Copper(II)-Adenine Discrete Entities As Supramolecular Building Blocks To Afford Porous Supramolecular Metal-Organic Frameworks (SMOFs). <i>Crystal Growth and Design</i> , 2014 , 14, 4019-4029	3.5	53
72	Development of content-stable phase change composites by infiltration into inorganic porous supports. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 134, 318-328	6.4	45
71	Open-framework copper adeninate compounds with three-dimensional microchannels tailored by aliphatic monocarboxylic acids. <i>Inorganic Chemistry</i> , 2011 , 50, 5330-2	5.1	45
70	Manganese(II) pyrimidine-4,6-dicarboxylates: synthetic, structural, magnetic, and adsorption insights. <i>Inorganic Chemistry</i> , 2008 , 47, 5267-77	5.1	45
69	Synthetic control to achieve lanthanide(III)/pyrimidine-4,6-dicarboxylate compounds by preventing oxalate formation: structural, magnetic, and luminescent properties. <i>Inorganic Chemistry</i> , 2012 , 51, 7875-88 ^{5.1}	5.1	44

68	One-Dimensional Oxalato-Bridged Metal(II) Complexes with 4-Amino-1,2,4-triazole as Apical Ligand. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 4280-4290	2-3	44
67	Directing the Formation of Adenine Coordination Polymers from Tunable Copper(II)/Dicarboxylato/Adenine Paddle-Wheel Building Units. <i>Crystal Growth and Design</i> , 2012 , 12, 3324-3334	3-5	42
66	A new hydrated phase of cobalt(II) oxalate: crystal structure, thermal behavior and magnetic properties of $\{[\text{Co}(\text{Ebx})(\text{H}_2\text{O})_2] \cdot n\text{H}_2\text{O}\}_n$. <i>Inorganica Chimica Acta</i> , 2004 , 357, 339-344	2-7	41
65	Porous supramolecular compound based on paddle-wheel shaped copper(II)-adenine dinuclear entities. <i>CrystEngComm</i> , 2011 , 13, 3301	3-3	39
64	Unravelling the Growth of Supramolecular Metal-Organic Frameworks Based on Metal-Nucleobase Entities. <i>Crystal Growth and Design</i> , 2015 , 15, 975-983	3-5	38
63	Porous materials based on metal-nucleobase systems sustained by coordination bonds and base pairing interactions. <i>CrystEngComm</i> , 2015 , 17, 3051-3059	3-3	32
62	Rational design of 1-D metal-organic frameworks based on the novel pyrimidine-4,6-dicarboxylate ligand. New insights into pyrimidine through magnetic interaction. <i>Dalton Transactions</i> , 2007 , 2669-80	4-3	32
61	Molecular recognition of adeninium cations on anionic metal-oxalato frameworks: an experimental and theoretical analysis. <i>Inorganic Chemistry</i> , 2007 , 46, 3593-602	5-1	32
60	Gas Adsorption Properties and Selectivity in Cu(II)/Adeninato/Carboxylato Metal-Biomolecule Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5921-5933	2-3	30
59	Exploiting Synthetic Conditions to Promote Structural Diversity within the Scandium(III)/Pyrimidine-4,6-dicarboxylate System. <i>Crystal Growth and Design</i> , 2015 , 15, 2352-2363	3-5	29
58	Structure-Directing Effect of Organic Cations in the Assembly of Anionic In(III)/Diazinedicarboxylate Architectures. <i>Crystal Growth and Design</i> , 2012 , 12, 1501-1512	3-5	29
57	In Situ Time-Resolved Observation of the Development of Intracrystalline Mesoporosity in USY Zeolite. <i>Chemistry of Materials</i> , 2016 , 28, 8971-8979	9-6	27
56	Chemically Resistant, Shapeable, and Conducting Metal-Organic Gels and Aerogels Built from Dithioxamidato Ligand. <i>Advanced Functional Materials</i> , 2017 , 27, 1605448	15-6	26
55	Enhancing luminescence properties of lanthanide(III)/pyrimidine-4,6-dicarboxylato system by solvent-free approach. <i>Dalton Transactions</i> , 2015 , 44, 6972-86	4-3	26
54	Thermally induced interconversions of metal-pyrimidine-4,6-dicarboxylate polymers: a structural, spectroscopic, and magnetic study. <i>Inorganic Chemistry</i> , 2009 , 48, 3087-94	5-1	26
53	Controlling interpenetration for tuning porosity and luminescence properties of flexible MOFs based on biphenyl-4,4'-dicarboxylic acid. <i>CrystEngComm</i> , 2016 , 18, 1282-1294	3-3	25
52	Molecular Recognition of Protonated Cytosine Ribbons by Metal-Oxalato Frameworks. <i>Crystal Growth and Design</i> , 2007 , 7, 2594-2600	3-5	25
51	Two appealing alternatives for MOFs synthesis: solvent-free oven heating vs. microwave heating. <i>RSC Advances</i> , 2014 , 4, 60409-60412	3-7	24

50	Structural Diversity in a Copper(II)/Isophthalato/9-Methyladenine System. From One- to Three-Dimensional Metal-Biomolecule Frameworks. <i>Crystal Growth and Design</i> , 2013 , 13, 3057-3067	3.5	22
49	A Binuclear Copper(II) Complex Containing the Pyrazine-2,5-dicarboxylate Ligand: Study of the Magnetic Exchange through the Pyrazine Bridge. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2586-2589	2.3	22
48	A straightforward route to obtain zirconium based metal-organic gels. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 128-132	5.3	21
47	Porous M(II)/pyrimidine-4,6-dicarboxylato neutral frameworks: synthetic influence on the adsorption capacity and evaluation of CO ₂ -adsorbent interactions. <i>Chemistry - A European Journal</i> , 2014 , 20, 1554-68	4.8	21
46	Improving the performance of a poorly adsorbing porous material: template mediated addition of microporosity to a crystalline submicroporous MOF. <i>Chemical Communications</i> , 2012 , 48, 907-9	5.8	21
45	A transition metal complex containing pyrazine-2,5-dicarboxylato bridging ligands: a novel three-dimensional manganese(II) compound. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1224-1227	3.1	18
44	Comparing conventional and microwave-assisted heating in PET degradation mediated by imidazolium-based halometallate complexes. <i>New Journal of Chemistry</i> , 2019 , 43, 3476-3485	3.6	17
43	Macroscopic Ultralight Aerogel Monoliths of Imine-based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13969-13977	16.4	17
42	Photoluminescence Modulation in Lanthanide(III)/Pyrazine-2,5-dicarboxylato/Nitrato Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4318-4328	2.3	15
41	Alkaline-earth and aminonicotinate based coordination polymers with combined fluorescence/long-lasting phosphorescence and metal ion sensing response. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6997-7012	7.1	13
40	[ZrO(OH)(benzene-1,4-dicarboxylato)]: a hexagonal polymorph of UiO-66. <i>Chemical Communications</i> , 2019 , 55, 5954-5957	5.8	13
39	3D Magnetically Ordered Open Supramolecular Architectures Based on Ferrimagnetic Cu/Adenine/Hydroxide Heptameric Wheels. <i>Inorganic Chemistry</i> , 2016 , 55, 7755-63	5.1	13
38	Low-Nuclearity MnII Complexes Based on Pyrimidine-4,6-dicarboxylato Bridging Ligand: Crystal Structure, Ion Exchange and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 68-77	2.3	13
37	Photoluminescence Tuning and Water Detection of Yttrium Diazinedicarboxylate Materials through Lanthanide Doping. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2650-2663	2.3	11
36	Structural diversity of coordination compounds derived from double-chelating and planar diazinedicarboxylate ligands. <i>Coordination Chemistry Reviews</i> , 2017 , 352, 83-107	23.2	10
35	Towards multicomponent MOFs via solvent-free synthesis under conventional oven and microwave assisted heating. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 425-433	6.8	10
34	Aerogels of 1D Coordination Polymers: From a Non-Porous Metal-Organic Crystal Structure to a Highly Porous Material. <i>Polymers</i> , 2016 , 8,	4.5	10
33	Thermally-Triggered Crystal Dynamics and Permanent Porosity in the First Heptatungstate-Metalorganic Three-Dimensional Hybrid Framework. <i>Chemistry - A European Journal</i> , 2017 , 23, 14962-14974	4.8	9

32	Crystal structure, magneto-structural correlation, thermal and electrical studies of an imidazolium halometallate molten salt: (trimim)[FeCl] ₂ . <i>RSC Advances</i> , 2020 , 10, 11200-11209	3-7	8
31	Magnetic Structure, Single-Crystal to Single-Crystal Transition, and Thermal Expansion Study of the (Edimim)[FeCl] Halometalate Compound. <i>Inorganic Chemistry</i> , 2018 , 57, 1787-1795	5-1	8
30	trans-Bis[4-amino-3,5-bis(2-pyridyl)-4H-1,2,4-triazole- μ N1,N5]bis(nitrato- μ)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004 , 60, m720-m722		7
29	Porous Supramolecular Architectures Based on π -Stacking Interactions between Discrete Metal-Adenine Entities and the Non-DNA Theobromine/Caffeine Nucleobases. <i>Crystal Growth and Design</i> , 2018 , 18, 3465-3476	3-5	6
28	Dipotassium aquabis(pyrazine-2,3-dicarboxylato- μ N,O)cuprate(II) hexahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, m800-m802		6
27	Porous TiO thin film-based photocatalytic windows for an enhanced operation of optofluidic microreactors in CO conversion. <i>iScience</i> , 2021 , 24, 102654	6-1	6
26	Supramolecular architectures based on p-cymene/ruthenium complexes functionalized with nucleobases. <i>CrystEngComm</i> , 2017 , 19, 6039-6048	3-3	5
25	Adenine nucleobase directed supramolecular architectures based on ferrimagnetic heptanuclear copper(II) entities and benzenecarboxylate anions. <i>Journal of Inorganic Biochemistry</i> , 2020 , 202, 110865	4-2	5
24	Theophylline alkaloid as glue of paddle-wheel copper(II)-adenine entities to afford a rhomboid chain. <i>Inorganica Chimica Acta</i> , 2019 , 484, 437-442	2-7	5
23	Supramolecular Architectures Based on Metal π Cytosine Systems. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1333-1340	2-3	4
22	Providing evidence for the requirements to achieve supramolecular materials based on metal π nucleobase entities. <i>CrystEngComm</i> , 2018 , 20, 2528-2539	3-3	4
21	Invigorating polyurethane foams with phase change materials supported in inorganic containers. <i>Polymer Composites</i> , 2018 , 39, 1420-1432	3	4
20	Zinc Thiocarboxylate Complexes as Precursors for Zinc Sulfide Nanoparticles under Aerobic Conditions. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5592-5602	2-3	4
19	Condensed heterometallic bidimensional mixed valence Cu(I)/Cu(II)/Ni(II) cyanidometallate. <i>Dalton Transactions</i> , 2009 , 9722-4	4-3	4
18	((R)-(μ -3-Hydroxyquinuclidium)[FeCl ₄]; a plastic hybrid compound with chirality, ferroelectricity and long range magnetic ordering. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4453-4465	7-1	4
17	Metal π thiobenzoato Complexes: Synthesis, Structure, and Processing as Carbon-Supported Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1371-1382	2-3	3
16	Supramolecular extended systems based on discrete paddle-wheel shaped metal π adeninate entities. <i>Inorganica Chimica Acta</i> , 2016 , 452, 222-228	2-7	3
15	Reversible dehydration process in a novel three-dimensional covalent network based on pyrimidine-4,6-dionato bridging ligand. <i>Inorganica Chimica Acta</i> , 2006 , 359, 2583-2588	2-7	3

14	Ferromagnetic supramolecular metal-organic frameworks for active capture and magnetic sensing of emerging drug pollutants. <i>Cell Reports Physical Science</i> , 2021 , 2, 100421	6.1	3
13	Temperature evolution of (quinuclidinium)[FeCl ₄]: a plastic/polar magnetic hybrid compound with a giant dielectric constant. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11389-11398	7.1	2
12	Bis(1,10-phenanthroline- <i>N,N'</i>)bis-(thio-cyanato- <i>N,N'</i>)cadmium. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m704-5		2
11	Bis(2,2'-bipyridine- <i>N,N'</i>)(nitrate- <i>D</i>)copper(II) hexafluorophosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m1353-m1355		2
10	Unveiling the Role of Tetrabutylammonium and Cesium Bulky Cations in Enhancing Na-O ₂ Battery Performance. <i>Advanced Energy Materials</i> , 2102834	21.8	2
9	Metal removal from the secondary building unit of bio-MOF-1 by adenine N6-alkylation while retaining the overall 3D porous topology. <i>CrystEngComm</i> , 2020 , 22, 4201-4205	3.3	1
8	Macroscopic Ultralight Aerogel Monoliths of Imine-based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2021 , 133, 14088-14096	3.6	1
7	Slot-Die Process of a Sol-Gel Photocatalytic Porous Coating for Large-Area Fabrication of Functional Architectural Glass. <i>Catalysts</i> , 2021 , 11, 711	4	1
6	Single-Crystal-to-Single-Crystal Cluster Transformation in a Microporous Molybdoarsenate(V)-Metalorganic Framework. <i>Inorganic Chemistry</i> , 2021 , 60, 14913-14923	5.1	1
5	The crystal structure of a new polymorph of hexa-aqua-nickel(II) bis-(6-oxo-1,6-di-hydro-pyridine-3-carboxyl-ate). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, m238-9	0.7	0
4	Crystal and magnetic structure of the (trimim)[FeBr ₄] molten salt: A temperature dependence study. <i>Journal of Molecular Liquids</i> , 2021 , 331, 115716	6	0
3	Supramolecular architectures of metal-oxalato coordination polymers bearing N-tethered adenine nucleobases. <i>Polyhedron</i> , 2019 , 171, 53-64	2.7	
2	Incommensurate crystal structure, thermal expansion study and magnetic properties of (dimethylimidazolium) ₂ [Fe ₂ Cl ₆ (EO)]. <i>JPhys Materials</i> , 2019 , 3, 015002	4.2	
1	The Chemistry of Zirconium/Carboxylate Clustering Process: Acidic Conditions to Promote Carboxylate-Unsaturated Octahedral Hexamers and Pentanuclear Species.. <i>Inorganic Chemistry</i> , 2022 , 61, 4842-4851	5.1	