Sonia Perez-Yaez

List of Publications by Citations

57 papers	1,201 citations	23 h-index	32 g-index
65 ext. papers	1,367 ext. citations	4.9 avg, IF	4.25 L-index

#	Paper	IF	Citations
57	Metal–carboxylato–nucleobase systems: From supramolecular assemblies to 3D porous materials. *Coordination Chemistry Reviews*, **2013**, 257, 2716-2736	23.2	73
56	Scandium/Alkaline Metal–Organic Frameworks: Adsorptive Properties and Ionic Conductivity. *Chemistry of Materials*, **2016**, 28, 2519-2528	9.6	61
55	Synthesis of heterometallic metal-organic frameworks and their performance as electrocatalyst for CO reduction.. *RSC Advances*, **2018**, 8, 21092-21099	3.7	59
54	Lanthanide(III)/pyrimidine-4,6-dicarboxylate/oxalate extended frameworks: a detailed study based on the lanthanide contraction and temperature effects. *Inorganic Chemistry*, **2011**, 50, 8437-51	5.1	59
53	Paddle-Wheel Shaped Copper(II)-Adenine Discrete Entities As Supramolecular Building Blocks To Afford Porous Supramolecular Metal–Organic Frameworks (SMOFs). *Crystal Growth and Design*, **2014**, 14, 4019-4029	3.5	53
52	Open-framework copper adeninate compounds with three-dimensional microchannels tailored by aliphatic monocarboxylic acids. *Inorganic Chemistry*, **2011**, 50, 5330-2	5.1	45
51	Designing Multifunctional 5-Cyanoisophthalate-Based Coordination Polymers as Single-Molecule Magnets, Adsorbents, and Luminescent Materials. *Inorganic Chemistry*, **2016**, 55, 11230-11248	5.1	45
50	Synthetic control to achieve lanthanide(III)/pyrimidine-4,6-dicarboxylate compounds by preventing oxalate formation: structural, magnetic, and luminescent properties. *Inorganic Chemistry*, **2012**, 51, 7875-88	5.1	44
49	Directing the Formation of Adenine Coordination Polymers from Tunable Copper(II)/Dicarboxylato/Adenine Paddle-Wheel Building Units. *Crystal Growth and Design*, **2012**, 12, 3324-3334	3.5	42
48	Porous supramolecular compound based on paddle-wheel shaped copper(II)–adenine dinuclear entities. *CrystEngComm*, **2011**, 13, 3301	3.3	39
47	Combining Polycarboxylate and Bipyridyl-like Ligands in the Design of Luminescent Zinc and Cadmium Based Metal–Organic Frameworks. *Crystal Growth and Design*, **2017**, 17, 3893-3906	3.5	38
46	Unravelling the Growth of Supramolecular Metal–Organic Frameworks Based on Metal-Nucleobase Entities. *Crystal Growth and Design*, **2015**, 15, 975-983	3.5	38
45	Analysis of the Interaction between Adenine Nucleobase and Metal-Malonato Complexes. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3889-3899	2.3	37
44	Porous materials based on metal–nucleobase systems sustained by coordination bonds and base pairing interactions. *CrystEngComm*, **2015**, 17, 3051-3059	3.3	32
43	Supramolecular Architectures and Magnetic Properties of Self-Assembled Windmill-Like Dinuclear Copper(II) Complexes with Purine Ligands. *European Journal of Inorganic Chemistry*, **2009**, 2009, 2344-2353	2.3	31
42	Gas Adsorption Properties and Selectivity in CuII/Adeninato/Carboxylato Metal–Biomolecule Frameworks. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5921-5933	2.3	30
41	Exploiting Synthetic Conditions to Promote Structural Diversity within the Scandium(III)/Pyrimidine-4,6-dicarboxylate System. *Crystal Growth and Design*, **2015**, 15, 2352-2363	3.5	29

40	Structure-Directing Effect of Organic Cations in the Assembly of Anionic In(III)/Diazinedicarboxylate Architectures. *Crystal Growth and Design*, **2012**, 12, 1501-1512	3.5	29
39	Supramolecular architectures of metal□oxalato complexes containing purine nucleobases. *Inorganica Chimica Acta*, **2011**, 365, 211-219	2.7	29
38	Influence of the synthetic conditions on the structural diversity of extended manganese-oxalato-1,2-bis(4-pyridyl)ethylene systems. *Inorganic Chemistry*, **2010**, 49, 11346-61	5.1	27
37	Chemically Resistant, Shapeable, and Conducting Metal-Organic Gels and Aerogels Built from Dithiooxamidato Ligand. *Advanced Functional Materials*, **2017**, 27, 1605448	15.6	26
36	Enhancing luminescence properties of lanthanide(III)/pyrimidine-4,6-dicarboxylato system by solvent-free approach. *Dalton Transactions*, **2015**, 44, 6972-86	4.3	26
35	From isolated to 2D coordination polymers based on 6-aminonicotinate and 3d-metal ions: towards field-induced single-ion-magnets. *CrystEngComm*, **2017**, 19, 2229-2242	3.3	23
34	Structural Diversity in a Copper(II)/Isophthalato/9-Methyladenine System. From One- to Three-Dimensional Metal-Biomolecule Frameworks. *Crystal Growth and Design*, **2013**, 13, 3057-3067	3.5	22
33	A straightforward route to obtain zirconium based metal-organic gels. *Microporous and Mesoporous Materials*, **2019**, 284, 128-132	5.3	21
32	Porous M(II)/pyrimidine-4,6-dicarboxylato neutral frameworks: synthetic influence on the adsorption capacity and evaluation of CO2-adsorbent interactions. *Chemistry - A European Journal*, **2014**, 20, 1554-68	4.8	21
31	Improving the performance of a poorly adsorbing porous material: template mediated addition of microporosity to a crystalline submicroporous MOF. *Chemical Communications*, **2012**, 48, 907-9	5.8	21
30	Photoluminescence Modulation in Lan□thanide(III)/Pyrazine-2,5-dicarboxylato/Nitrato Frameworks. *European Journal of Inorganic Chemistry*, **2015**, 2015, 4318-4328	2.3	15
29	Structural and magnetic characterization of one-dimensional oxalato-bridged metal(II) complexes with 4-amino-3,5-bis(2-pyridyl)-1,2,4-triazole ligand: A supramolecular open-framework. *Inorganica Chimica Acta*, **2009**, 362, 4212-4218	2.7	14
28	Alkaline-earth and aminonicotinate based coordination polymers with combined fluorescence/long-lasting phosphorescence and metal ion sensing response. *Journal of Materials Chemistry C*, **2019**, 7, 6997-7012	7.1	13
27	[ZrO(OH)(benzene-1,4-dicarboxylato)]: a hexagonal polymorph of UiO-66. *Chemical Communications* , **2019**, 55, 5954-5957	5.8	13
26	3D Magnetically Ordered Open Supramolecular Architectures Based on Ferrimagnetic Cu/Adenine/Hydroxide Heptameric Wheels. *Inorganic Chemistry*, **2016**, 55, 7755-63	5.1	13
25	Low-Nuclearity MnII Complexes Based on Pyrimidine-4,6-dicarboxylato Bridging Ligand: Crystal Structure, Ion Exchange and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2011**, 2011, 68-77	2.3	13
24	Photoluminescence Tuning and Water Detection of Yttrium Diazinedicarboxylate Materials through Lanthanide Doping. *European Journal of Inorganic Chemistry*, **2015**, 2015, 2650-2663	2.3	11
23	Structural diversity of coordination compounds derived from double-chelating and planar diazinedicarboxylate ligands. *Coordination Chemistry Reviews*, **2017**, 352, 83-107	23.2	10

22	Towards multicomponent MOFs via solvent-free synthesis under conventional oven and microwave assisted heating. *Inorganic Chemistry Frontiers*, **2015**, 2, 425-433	6.8	10
21	Aerogels of 1D Coordination Polymers: From a Non-Porous Metal-Organic Crystal Structure to a Highly Porous Material. *Polymers*, **2016**, 8,	4.5	10
20	Modulating the MII/Pyrimidine-4,6-dicarboxylato System by Metal, Solvent and Temperature Variation. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3221-3234	2.3	9
19	Magnetic and Photoluminescent Sensors Based on Metal-Organic Frameworks Built up from 2-aminoisonicotinate. *Scientific Reports*, **2020**, 10, 8843	4.9	7
18	Zinc/itaconate coordination polymers as first examples with long-lasting phosphorescence based on acyclic ligands. *Journal of Materials Chemistry C*, **2018**, 6, 10870-10880	7.1	7
17	Porous Supramolecular Architectures Based on π-Stacking Interactions between Discrete Metal-Adenine Entities and the Non-DNA Theobromine/Caffeine Nucleobases. *Crystal Growth and Design*, **2018**, 18, 3465-3476	3.5	6
16	Porous TiO thin film-based photocatalytic windows for an enhanced operation of optofluidic microreactors in CO conversion. *IScience*, **2021**, 24, 102654	6.1	6
15	Supramolecular architectures based on p-cymene/ruthenium complexes functionalized with nucleobases. *CrystEngComm*, **2017**, 19, 6039-6048	3.3	5
14	Adenine nucleobase directed supramolecular architectures based on ferrimagnetic heptanuclear copper(II) entities and benzenecarboxylate anions. *Journal of Inorganic Biochemistry*, **2020**, 202, 110865	4.2	5
13	Theophylline alkaloid as glue of paddle-wheel copper(II)-adenine entities to afford a rhomboid chain. *Inorganica Chimica Acta*, **2019**, 484, 437-442	2.7	5
12	Supramolecular Architectures Based on Metal–Cytosine Systems. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1333-1340	2.3	4
11	Providing evidence for the requirements to achieve supramolecular materials based on metal–nucleobase entities. *CrystEngComm*, **2018**, 20, 2528-2539	3.3	4
10	Condensed heterometallic bidimensional mixed valence Cu(I)/Cu(II)/Ni(II) cyanidometallate. *Dalton Transactions*, **2009**, 9722-4	4.3	4
9	Metal–Thiobenzoato Complexes: Synthesis, Structure, and Processing as Carbon-Supported Nanoparticles. *European Journal of Inorganic Chemistry*, **2018**, 2018, 1371-1382	2.3	3
8	Supramolecular extended systems based on discrete paddle-wheel shaped metal–adeninate entities. *Inorganica Chimica Acta*, **2016**, 452, 222-228	2.7	3
7	Ferromagnetic supramolecular metal-organic frameworks for active capture and magnetic sensing of emerging drug pollutants. *Cell Reports Physical Science*, **2021**, 2, 100421	6.1	3
6	Metal removal from the secondary building unit of bio-MOF-1 by adenine N6-alkylation while retaining the overall 3D porous topology. *CrystEngComm*, **2020**, 22, 4201-4205	3.3	1
5	Slot-Die Process of a Sol–Gel Photocatalytic Porous Coating for Large-Area Fabrication of Functional Architectural Glass. *Catalysts*, **2021**, 11, 711	4	1

List of Publications

4	The crystal structure of a new polymorph of hexa-aqua-nickel(II) bis-(6-oxo-1,6-di-hydro-pyridine-3-carboxyl-ate). *Acta Crystallographica Section E: Crystallographic Communications*, **2015**, 71, m238-9	0.7	0
3	Towards correlating dimensionality and topology in luminescent MOFs based on terephthalato and bispyridyl-like ligands. *Dalton Transactions*, **2021**, 50, 9269-9282	4.3	0
2	Supramolecular architectures of metal-oxalato coordination polymers bearing N-tethered adenine nucleobases. *Polyhedron*, **2019**, 171, 53-64	2.7	
1	The Chemistry of Zirconium/Carboxylate Clustering Process: Acidic Conditions to Promote Carboxylate-Unsaturated Octahedral Hexamers and Pentanuclear Species.. *Inorganic Chemistry*, **2022**, 61, 4842-4851	5.1	