Ana Eva Platero-Prats

List of Publications by Year
in descending order

66 papers	6,992 citations	94381 37 h-index	98753 67 g-index
71 all docs	71 docs citations	71 times ranked	9812 citing authors

#	Article	IF	Citations
1	Covalent radii revisited. Dalton Transactions, 2008, , 2832.	1.6	3,155
2	High Efficiency Adsorption and Removal of Selenate and Selenite from Water Using Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 7488-7494.	6.6	330
3	Metalâ€“Organic Framework Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane at Low Temperature. ACS Central Science, 2017, 3, 31-38.	5.3	222
4	Green Microwave Synthesis of MILâ€100(Al, Cr, Fe) Nanoparticles for Thinâ€Film Elaboration. European Journal of Inorganic Chemistry, 2012, 2012, 5165-5174.	1.0	176
5	Layer-Stacking-Driven Fluorescence in a Two-Dimensional Imine-Linked Covalent Organic Framework. Journal of the American Chemical Society, 2018, 140, 12922-12929.	6.6	147
6	Adsorption of a Catalytically Accessible Polyoxometalate in a Mesoporous Channel-type Metalâ€“Organic Framework. Chemistry of Materials, 2017, 29, 5174-5181.	3.2	143
7	A Hafnium-Based Metalâ€“Organic Framework as a Nature-Inspired Tandem Reaction Catalyst. Journal of the American Chemical Society, 2015, 137, 13624-13631.	6.6	137
8	Targeted Single-Site MOF Node Modification: Trivalent Metal Loading via Atomic Layer Deposition. Chemistry of Materials, 2015, 27, 4772-4778.	3.2	116
9	Fine-Tuning the Activity of Metalâ€“Organic Framework-Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane. Journal of the American Chemical Society, 2017, 139, 15251-15258.	6.6	112
10	Structural Transitions of the Metal-Oxide Nodes within Metalâ€“Organic Frameworks: On the Local Structures of NU-1000 and UiO-66. Journal of the American Chemical Society, 2016, 138, 4178-4185.	6.6	108
11	A Resistance-Switchable and Ferroelectric Metalâ€“Organic Framework. Journal of the American Chemical Society, 2014, 136, 17477-17483.	6.6	103
12	Framework Isomerism in Vanadium Metalâ€“Organic Frameworks: MIL-88B(V) and MIL-101(V). Crystal Growth and Design, 2013, 13, 5036-5044.	1.4	100
13	Highly Functionalized Biaryls via Suzukiâ€“Miyaura Crossâ€Coupling Catalyzed by Pd@MOF under Batch and Continuous Flow Regimes. ChemSusChem, 2015, 8, 123-130.	3.6	94
14	Sinterâ€Resistant Platinum Catalyst Supported by Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 909-913.	7.2	88
15	Well-Defined Rhodiumâ€“Gallium Catalytic Sites in a Metalâ€“Organic Framework: Promoter-Controlled Selectivity in Alkyne Semihydrogenation to <i>E</i>-Alkenes. Journal of the American Chemical Society, 2018, 140, 15309-15318.	6.6	88
16	Direct evidence of the SMSI decoration effect: the case of Co/TiO2 catalyst. Chemical Communications, 2011, 47, 7131.	2.2	87
17	Thermal Stabilization of Metalâ€“Organic Framework-Derived Single-Site Catalytic Clusters through Nanocasting. Journal of the American Chemical Society, 2016, 138, 2739-2748.	6.6	83
18	Regioselective Atomic Layer Deposition in Metalâ€“Organic Frameworks Directed by Dispersion Interactions. Journal of the American Chemical Society, 2016, 138, 13513-13516.	6.6	78

#	Article	IF	Citations
19	Bridging Zirconia Nodes within a Metalâ€“Organic Framework via Catalytic Ni-Hydroxo Clusters to Form Heterobimetallic Nanowires. Journal of the American Chemical Society, 2017, 139, 10410-10418.	6.6	74
20	From Coordinatively Weak Ability of Constituents to Very Stable Alkaline-Earth Sulfonate Metalâˆ'Organic Frameworks. Crystal Growth and Design, 2011, 11, 1750-1758.	1.4	73
21	Chemical sensing of water contaminants by a colloid of a fluorescent imine-linked covalent organic framework. Chemical Communications, 2019, 55, 1382-1385.	2.2	73
22	Thermally induced migration of a polyoxometalate within a metalâ€“organic framework and its catalytic effects. Journal of Materials Chemistry A, 2018, 6, 7389-7394.	5.2	71
23	Heterogeneous Catalysis with Alkalineâ€Earth Metalâ€Based MOFs: A Green Calcium Catalyst. ChemCatChem, 2010, 2, 147-149.	1.8	68
24	Biomimetic Synthesis of Sub-20 nm Covalent Organic Frameworks in Water. Journal of the American Chemical Society, 2020, 142, 3540-3547.	6.6	68
25	Double-Supported Silica-Metalâ€“Organic Framework Palladium Nanocatalyst for the Aerobic Oxidation of Alcohols under Batch and Continuous Flow Regimes. ACS Catalysis, 2015, 5, 472-479.	5.5	67
26	Addressing the characterisation challenge to understand catalysis in MOFs: the case of nanoscale Cu supported in NU-1000. Faraday Discussions, 2017, 201, 337-350.	1.6	66
27	Incorporation of photocatalytic Pt(II) complexes into imine-based layered covalent organic frameworks (COFs) through monomer truncation strategy. Applied Catalysis B: Environmental, 2020, 272, 119027.	10.8	64
28	Influence of the Base on Pd@MILâ€101â€NH₂(Cr) as Catalyst for the Suzukiâ€“Miyaura Crossâ€Coupling Reaction. Chemistry - A European Journal, 2015, 21, 10896-10902.	1.7	54
29	Inorganic â€œConductive Glassâ€• Approach to Rendering Mesoporous Metalâ€“Organic Frameworks Electronically Conductive and Chemically Responsive. ACS Applied Materials & Interfaces, 2018, 10, 30532-30540.	4.0	54
30	Dynamic Calcium Metalâ€“Organic Framework Acts as a Selective Organic Solvent Sponge. Chemistry - A European Journal, 2010, 16, 11632-11640.	1.7	53
31	Towards Inorganic Porous Materials by Design: Looking for New Architectures. Advanced Materials, 2011, 23, 5283-5292.	11.1	50
32	Unveiling the Local Structure of Palladium Loaded into Imineâ€Linked Layered Covalent Organic Frameworks for Crossâ€Coupling Catalysis. Angewandte Chemie - International Edition, 2020, 59, 13013-13020.	7.2	49
33	Magnesium Exchanged Zirconium Metalâ€“Organic Frameworks with Improved Detoxification Properties of Nerve Agents. Journal of the American Chemical Society, 2019, 141, 11801-11805.	6.6	48
34	Atomic Layer Deposition in a Metalâ€“Organic Framework: Synthesis, Characterization, and Performance of a Solid Acid. Chemistry of Materials, 2017, 29, 1058-1068.	3.2	45
35	Site-Directed Synthesis of Cobalt Oxide Clusters in a Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 15073-15078.	4.0	44
36	Ga-Promoted Photocatalytic H2 Production over Pt/ZnO Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 23729-23738.	4.0	43

#	Article	IF	Citations
37	Adsorptive removal of Sb(V) from water using a mesoporous Zr-based metalâ€“organic framework. Polyhedron, 2018, 151, 338-343.	1.0	43
38	Applications of pair distribution function analyses to the emerging field of <i>non-ideal</i> metalâ€“organic framework materials. Nanoscale, 2020, 12, 15577-15587.	2.8	42
39	Heterometallic Titaniumâ€“Organic Frameworks by Metal-Induced Dynamic Topological Transformations. Journal of the American Chemical Society, 2020, 142, 6638-6648.	6.6	40
40	3D Printing of a Thermoâ€•and Solvatochromic Composite Material Based on a Cu(II)â€“Thymine Coordination Polymer with Moisture Sensing Capabilities. Advanced Functional Materials, 2019, 29, 1808424.	7.8	35
41	The First Oneâ€Pot Synthesis of Metalâ€“Organic Frameworks Functionalised with Two Transitionâ€Metal Complexes. Chemistry - A European Journal, 2015, 21, 861-866.	1.7	29
42	Vapor-Phase Fabrication and Condensed-Phase Application of a MOF-Node-Supported Iron Thiolate Photocatalyst for Nitrate Conversion to Ammonium. ACS Applied Energy Materials, 2019, 2, 8695-8700.	2.5	29
43	Supported Aluminum Catalysts for Olefin Hydrogenation. ACS Catalysis, 2017, 7, 689-694.	5.5	25
44	Insight into the SBU Condensation in Mg Coordination and Supramolecular Frameworks: A Combined Experimental and Theoretical Study. Journal of the American Chemical Society, 2012, 134, 4762-4771.	6.6	24
45	Insight into Lewis Acid Catalysis with Alkalineâ€Earth MOFs: The Role of Polyhedral Symmetry Distortions. Chemistry - A European Journal, 2013, 19, 15572-15582.	1.7	23
46	Topological Transformation of a Metalâ€“Organic Framework Triggered by Ligand Exchange. Inorganic Chemistry, 2017, 56, 4576-4583.	1.9	23
47	General, Simple, and Chemoselective Catalysts for the Isomerization of Allylic Alcohols: The Importance of the Halide Ligand. Chemistry - A European Journal, 2016, 22, 15659-15663.	1.7	21
48	Application and Limitations of Nanocasting in Metalâ€“Organic Frameworks. Inorganic Chemistry, 2018, 57, 2782-2790.	1.9	21
49	Stabilizing a Vanadium Oxide Catalyst by Supporting on a Metalâ€“Organic Framework. ChemCatChem, 2018, 10, 1772-1777.	1.8	21
50	The Molecular Path Approaching the Active Site in Catalytic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 20090-20094.	6.6	21
51	Elucidating the Photoredox Nature of Isolated Iron Active Sites on MCM-41. ACS Catalysis, 2017, 7, 1646-1654.	5.5	19
52	Three novel indium MOFs derived from diphenic acid: synthesis, crystal structures and supramolecular chemistry. CrystEngComm, 2011, 13, 4965.	1.3	16
53	Tuning the magnetic properties of transition metal MOFs by metalâ€“oxygen condensation control: the relation between synthesis temperature, SBU nuclearity and carboxylate geometry. CrystEngComm, 2012, 14, 5493.	1.3	16
54	Manganese clusters derived from 2-pyridylcyanoxime: new topologies and a large spin ground state in pyridyloximate chemistry. Dalton Transactions, 2013, 42, 12334.	1.6	15

#	Article	IF	Citations
55	Schiff bases containing ferrocenyl and thienyl units and their utility in the palladium catalyzed allylic alkylation of cinnamyl acetate. Journal of Organometallic Chemistry, 2007, 692, 5017-5025.	0.8	14
56	Layered Copper-Metallated Covalent Organic Frameworks for Huisgen Reactions. ACS Applied Materials & Interfaces, 2021, 13, 54106-54112.	4.0	12
57	Crystal structures and hydrogen bond analysis of five amino acid conjugates of terephthalic and benzene-1,2,3-tricarboxylic acids. CrystEngComm, 2014, 16, 8243-8251.	1.3	11
58	Extending the Compositional Range of Nanocasting in the Oxozirconium Cluster-Based Metalâ€“Organic Framework NU-1000â€"A Comparative Structural Analysis. Chemistry of Materials, 2018, 30, 1301-1315.	3.2	10
59	Unravelling the local structure of catalytic Fe-oxo clusters stabilized on the MOF-808 metal organic-framework. Chemical Communications, 2020, 56, 15615-15618.	2.2	10
60	Revisiting Vibrational Spectroscopy to Tackle the Chemistry of Zr₆O₈ Metal-Organic Framework Nodes. ACS Applied Materials & Interfaces, 2022, 14, 27040-27047.	4.0	7
61	Functionalising metalâ€“organic frameworks with metal complexes: the role of structural dynamics. CrystEngComm, 2015, 17, 7632-7635.	1.3	6
62	The role of defects in the properties of functional coordination polymers. Advances in Inorganic Chemistry, 2020, 76, 73-119.	0.4	6
63	Unveiling the Local Structure of Palladium Loaded into Imineâ€Linked Layered Covalent Organic Frameworks for Crossâ€Coupling Catalysis. Angewandte Chemie, 2020, 132, 13113-13120.	1.6	6
64	Palladium(II)â€“allyl complexes containing chiral N-donor ferrocenyl ligands. Journal of Organometallic Chemistry, 2007, 692, 4215-4226.	0.8	5
65	A new methanol solvate and Hirshfeld analysis of Ï€-stacking in 2,3,6,7,10,11-hexahydroxytriphenylene solvates. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 251-254.	0.4	4
66	Sinterâ€Resistant Platinum Catalyst Supported by Metalâ€“Organic Framework. Angewandte Chemie, 2018, 130, 921-925.	1.6	3