

# Valentina Colombo

## List of Publications by Year in descending order

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38  
papers

2,080  
citations

471509

17  
h-index

302126

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Pore Size and Defects on the Selective Adsorption of Acetylene in Alkyne-Functionalized Nickel(II)-Pyrazolate-Based MOFs. <i>Chemistry - A European Journal</i> , 2021, 27, 11837-11844.	3.3	10
2	Solvatomorphism of Moxidectin. <i>Molecules</i> , 2021, 26, 4869.	3.8	1
3	Catching the Reversible Formation and Reactivity of Surface Defective Sites in Metal-Organic Frameworks: An Operando Ambient Pressure-NEXAFS Investigation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9182-9187.	4.6	15
4	Does the credit supply shock have asymmetric effects on macroeconomic variables?. <i>Economics Letters</i> , 2020, 188, 108958.	1.9	8
5	Stabilization by Configurational Entropy of the Cu(II) Active Site during CO Oxidation on Mg <sub>0.2</sub> Co <sub>0.2</sub> Ni <sub>0.2</sub> Cu <sub>0.2</sub> Zn <sub>0.2</sub> O. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3589-3593.	4.6	46
6	Selective nitrogen adsorption via backbonding in a metal-organic framework with exposed vanadium sites. <i>Nature Materials</i> , 2020, 19, 517-521.	27.5	121
7	Adsorption Properties of Ce <sub>5</sub> (BDC) <sub>7.5</sub> (DMF) <sub>4</sub> MOF. <i>Inorganics</i> , 2020, 8, 9.	2.7	12
8	Different Metallophilic Attitudes Revealed by Compression. <i>Inorganic Chemistry</i> , 2020, 59, 2223-2227.	4.0	2
9	Development of Sensor Based on Copper(II) Thiocyanate Pyridine Polymeric Complex for Detection of Catechol. <i>IEEE Sensors Journal</i> , 2019, 19, 10198-10206.	4.7	2
10	Chiral (cyclopentadienone)iron complexes with a stereogenic plane as pre-catalysts for the asymmetric hydrogenation of polar double bonds. <i>Tetrahedron</i> , 2019, 75, 1415-1424.	1.9	15
11	The influence of potential stressors on oviposition site selection and subsequent growth, survival and emergence of the non-biting midge ( <i>Chironomus tepperi</i> ). <i>Ecology and Evolution</i> , 2019, 9, 5512-5522.	1.9	2
12	A silver coordination polymer with sodium 3,5-dimethyl-4-sulfonate pyrazolate: a nice example of PXRD structure solution and time-driven crystallization. <i>CrystEngComm</i> , 2019, 21, 4586-4592.	2.6	5
13	PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Gallium-68 Complexes at Physiological pH. <i>Chemistry - A European Journal</i> , 2019, 25, 10698-10709.	3.3	11
14	Crystal structure of pirfenidone (5-methyl-1-phenyl-1 <i>H</i> -pyridin-2-one): an active pharmaceutical ingredient (API). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 984-986.	0.5	6
15	Discovery of an Optimal Porous Crystalline Material for the Capture of Chemical Warfare Agents. <i>Chemistry of Materials</i> , 2018, 30, 4571-4579.	6.7	62
16	Two-component organic crystals without hydrogen bonding: structure and intermolecular interactions in bimolecular stacking. <i>CrystEngComm</i> , 2017, 19, 2413-2423.	2.6	30
17	A phosphorescent copper coordination polymer with sodium 3,5-dimethyl-4-sulfonate pyrazolate. <i>CrystEngComm</i> , 2017, 19, 6020-6027.	2.6	9
18	Cu(II) bifunctional (N,O,O <sup>2-</sup> ) coordination polymer: A case study for complex ab-initio crystal structure determination from PXRD data. <i>Solid State Sciences</i> , 2017, 71, 22-28.	3.2	2

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19	Effects of <i>Lumbriculus variegatus</i> (Annelida, Oligochaeta) bioturbation on zinc sediment chemistry and toxicity to the epi-benthic invertebrate <i>Chironomus tepperi</i> (Diptera: Chironomidae). <i>Environmental Pollution</i> , 2016, 216, 198-207.	7.5	18
20	Facts and Factors in the Formation and Stability of Binary Crystals. <i>Crystal Growth and Design</i> , 2016, 16, 6095-6104.	3.0	43
21	Estimating Fiscal Multipliers: News from a Non-linear World. <i>Economic Journal</i> , 2015, 125, 746-776.	3.6	135
22	Synthesis, structural features and luminescence properties of a 1-D poly(azolato)-based coordination polymer. <i>Polyhedron</i> , 2015, 92, 130-136.	2.2	5
23	Tetrameric Silver(I) Complex with Bridging N-Heterocyclic Carbene Ligands: [(iPrIm)Ag(NO <sub>3</sub> )] <sub>4</sub> . <i>Organometallics</i> , 2014, 33, 5610-5613.	2.3	12
24	Improved CO <sub>2</sub> Capture from Flue Gas by Basic Sites, Charge Gradients, and Missing Linker Defects on Nickel Face Cubic Centered MOFs. <i>Advanced Functional Materials</i> , 2014, 24, 6130-6135.	14.9	72
25	Probing Hydrogen Bond Networks in Half-Sandwich Ru(II) Building Blocks by a Combined 1H DQ CRAMPS Solid-State NMR, XRPD, and DFT Approach. <i>Inorganic Chemistry</i> , 2014, 53, 139-146.	4.0	14
26	Crystal Chemistry of the Antibiotic Doripenem. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3641-3647.	3.3	12
27	N-heterocyclic carbene copper complexes tethered to iron carbidocarbonyl clusters. <i>Inorganic Chemistry Communication</i> , 2014, 49, 27-29.	3.9	11
28	Transgenerational effects of parental nutritional status on offspring development time, survival, fecundity, and sensitivity to zinc in <i>Chironomus tepperi</i> midges. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 1-7.	6.0	19
29	On the self-condensation of aminoguanidine leading to 1,1,4,10,10-pentaamino-2,3,5,6,8,9-hexaazadeca-1,3,5,7,9-pentaene (structure elucidation through X-ray) <i>Tj ETQq 1.3 0.7843 1 4 rgBT</i>		
30	Stability vs. reactivity: understanding the adsorption properties of Ni <sub>3</sub> (BTP) <sub>2</sub> by experimental and computational methods. <i>Dalton Transactions</i> , 2013, 42, 6450.	3.3	27
31	Highly Hydrophobic Isoreticular Porous Metal-Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8290-8294.	13.8	264
32	Spectroscopic and adsorptive studies of a thermally robust pyrazolato-based PCP. <i>Dalton Transactions</i> , 2012, 41, 4012.	3.3	25
33	Tuning the Adsorption Properties of Isoreticular Pyrazolate-Based Metal-Organic Frameworks through Ligand Modification. <i>Journal of the American Chemical Society</i> , 2012, 134, 12830-12843.	13.7	184
34	High thermal and chemical stability in pyrazolate-bridged metal-organic frameworks with exposed metal sites. <i>Chemical Science</i> , 2011, 2, 1311.	7.4	496
35	Cubic Octanuclear Ni(II) Clusters in Highly Porous Polypyrazolyl-Based Materials. <i>Journal of the American Chemical Society</i> , 2010, 132, 7902-7904.	13.7	140
36	Thiazolo[5,4-d]thiazole-2,5-dicarboxylic acid, C <sub>6</sub> H <sub>2</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> , and its coordination polymers. <i>Solid State Sciences</i> , 2010, 12, 795-802.	3.2	13

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37	Cation-Exchange Porosity Tuning in Anionic Metal-Organic Frameworks for the Selective Separation of Gases and Vapors and for Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7308-7311.	13.8	152
38	Metalorganic frameworks based on the 1,4-bis(5-tetrazolyl) benzene ligand: The Ag and Cu derivatives. <i>Inorganica Chimica Acta</i> , 2009, 362, 4340-4346.	2.4	23