Rosaria Bruno

List of Publications by Year
in descending order

32	1,062	567144 15	434063 31
papers	citations	h-index	g-index

33	33	33	1598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€“organic framework technologies for water remediation: towards a sustainable ecosystem. Journal of Materials Chemistry A, 2018, 6, 4912-4947.	5.2	369
2	Multivariate Metalâ€“Organic Frameworks for the Simultaneous Capture of Organic and Inorganic Contaminants from Water. Journal of the American Chemical Society, 2019, 141, 13601-13609.	6.6	120
3	Postsynthetic Approach for the Rational Design of Chiral Ferroelectric Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8098-8101.	6.6	81
4	Crystallographic snapshots of hostâ€“guest interactions in drugs@metalâ€“organic frameworks: towards mimicking molecular recognition processes. Materials Horizons, 2018, 5, 683-690.	6.4	64
5	Reverse osmosis and nanofiltration membranes for highly efficient PFASs removal: overview, challenges and future perspectives. Dalton Transactions, 2021, 50, 5398-5410.	1.6	57
6	Bioinspired Metalâ€Organic Frameworks in Mixed Matrix Membranes for Efficient Static/Dynamic Removal of Mercury from Water. Advanced Functional Materials, 2021, 31, 2008499.	7.8	43
7	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Aminoâ€Acidâ€Derived Metalâ€“Organic Framework. Chemistry - A European Journal, 2018, 24, 17712-17718.	1.7	41
8	Cytosine Nucleobase Ligand: A Suitable Choice for Modulating Magnetic Anisotropy in Tetrahedrally Coordinated Mononuclear Co^{II} Compounds. Inorganic Chemistry, 2017, 56, 1857-1864.	1.9	34
9	Hydrolaseâ€“like catalysis and structural resolution of natural products by a metalâ€“organic framework. Nature Communications, 2020, 11, 3080.	5.8	33
10	Highly Efficient Removal of Neonicotinoid Insecticides by Thioether-Based (Multivariate) Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2021, 13, 28424-28432.	4.0	29
11	Lanthanide Discrimination with Hydroxyl-Decorated Flexible Metalâ€“Organic Frameworks. Inorganic Chemistry, 2018, 57, 13895-13900.	1.9	24
12	Metalâ€“Organic Frameworks as Playgrounds for Reticulate Single-Molecule Magnets. Inorganic Chemistry, 2019, 58, 14498-14506.	1.9	23
13	Multivariate Metalâ€“Organic Framework/Single-Walled Carbon Nanotube Buckypaper for Selective Lead Decontamination. ACS Applied Nano Materials, 2022, 5, 5223-5233.	2.4	20
14	Highly efficient temperature-dependent chiral separation with a nucleotide-based coordination polymer. Chemical Communications, 2018, 54, 6356-6359.	2.2	19
15	Efficient Gas Separation and Transport Mechanism in Rare Hemilabile Metalâ€“Organic Framework. Chemistry of Materials, 2019, 31, 5856-5866.	3.2	18
16	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. Computation, 2020, 8, 28.	1.0	14
17	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNTâ€BP: Recovery of the Endangered Rareâ€Earth Elements from Aqueous Systems. Advanced Materials Interfaces, 2021, 8, 2100730.	1.9	13
18	Glassy PEEK-WC vs. Rubbery PebaxÂ®1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. Applied Sciences (Switzerland), 2020, 10, 1310.	1.3	12

#	Article	IF	Citations
19	Magneto-structural correlations in Ni(<scp>ii</scp>) [2 Ã— 2] metallogrids featuring a variable number of Î¼-aquo or Î¼-hydroxo extra bridges. CrystEngComm, 2019, 21, 917-924.	1.3	10
20	A Metalloligand Approach for the Self-Assembly of a Magnetic Two-Dimensional Grid-of-Grids. Crystal Growth and Design, 2019, 19, 3905-3912.	1.4	9
21	Photodegradation of Brilliant Green Dye by a Zinc bioMOF and Crystallographic Visualization of Resulting CO2. Molecules, 2021, 26, 4098.	1.7	5
22	From Mononuclear Compounds to [2 Ã— 2] Metallogrids: Ferromagnetically Coupled Systems Built by Nickel(II) and 3,6-Bis(2â€²-pyridyl)pyridazine (dppn). Crystal Growth and Design, 2020, 20, 6478-6492.	1.4	4
23	Metalâ€Organic Frameworks as Unique Platforms to Gain Insight of Ïƒâ€Hole Interactions for the Removal of Organic Dyes from Aquatic Ecosystems. Chemistry - A European Journal, 2022, , .	1.7	4
24	A Nanoporous Supramolecular Metalâ€“Organic Framework Based on a Nucleotide: Interplay of the Ïâ·Â·Â·Ï Interactions Directing Assembly and Geometric Matching of Aromatic Tails. Molecules, 2021, 26, 4594.	1.7	3
25	A Biocompatible Aspartic-Decorated Metalâ€“Organic Framework with Tubular Motif Degradable under Physiological Conditions. Inorganic Chemistry, 2021, 60, 14221-14229.	1.9	3
26	Cu(II) complexes of cytosine and 1-methylcytosine with bromide: old motifs and new structures. Journal of Coordination Chemistry, 2018, 71, 615-632.	0.8	2
27	Structural studies on Ba(II) adducts of the cytosine nucleobase and its derivative 1-Methylcytosine. Journal of Coordination Chemistry, 2018, 71, 828-844.	0.8	2
28	Supramolecular arrangements of novel clickable 4-substituted 3,6-bis(2â€²-pyridyl)pyridazine molecules. Journal of Molecular Structure, 2020, 1217, 128420.	1.8	2
29	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. Chemistry - A European Journal, 2018, 24, 17615-17615.	1.7	1
30	Synthesis of a rod-based porous coordination polymer from a nucleotide as a sequential chiral inductor. Journal of Coordination Chemistry, 2021, 74, 200-215.	0.8	1
31	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNTâ€BP: Recovery of the Endangered Rareâ€Earth Elements from Aqueous Systems (Adv. Mater. Interfaces 16/2021). Advanced Materials Interfaces, 2021, 8, 2170089.	1.9	0
32	Cytosine as a root to a nonconventional layered hydroxide nanostructure. Journal of Coordination Chemistry, 0, , 1-12.	0.8	0