

Rosaria Bruno

List of Publications by Year in descending order

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32
papers

1,062
citations

567144

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434063

31
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docs citations

33
times ranked

1598
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate Metal-Organic Framework/Single-Walled Carbon Nanotube Buckypaper for Selective Lead Decontamination. <i>ACS Applied Nano Materials</i> , 2022, 5, 5223-5233.	2.4	20
2	Metal-Organic Frameworks as Unique Platforms to Gain Insight of π -Hole Interactions for the Removal of Organic Dyes from Aquatic Ecosystems. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	4
3	Bioinspired Metal-Organic Frameworks in Mixed Matrix Membranes for Efficient Static/Dynamic Removal of Mercury from Water. <i>Advanced Functional Materials</i> , 2021, 31, 2008499.	7.8	43
4	Synthesis of a rod-based porous coordination polymer from a nucleotide as a sequential chiral inductor. <i>Journal of Coordination Chemistry</i> , 2021, 74, 200-215.	0.8	1
5	Reverse osmosis and nanofiltration membranes for highly efficient PFASs removal: overview, challenges and future perspectives. <i>Dalton Transactions</i> , 2021, 50, 5398-5410.	1.6	57
6	Highly Efficient Removal of Neonicotinoid Insecticides by Thioether-Based (Multivariate) Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28424-28432.	4.0	29
7	A Nanoporous Supramolecular Metal-Organic Framework Based on a Nucleotide: Interplay of the π - π Interactions Directing Assembly and Geometric Matching of Aromatic Tails. <i>Molecules</i> , 2021, 26, 4594.	1.7	3
8	Photodegradation of Brilliant Green Dye by a Zinc bioMOF and Crystallographic Visualization of Resulting CO ₂ . <i>Molecules</i> , 2021, 26, 4098.	1.7	5
9	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNT@BP: Recovery of the Endangered Rare-Earth Elements from Aqueous Systems. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100730.	1.9	13
10	Synthesis and Enhanced Capture Properties of a New BioMOF@SWCNT@BP: Recovery of the Endangered Rare-Earth Elements from Aqueous Systems (Adv. Mater. Interfaces 16/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170089.	1.9	0
11	A Biocompatible Aspartic-Decorated Metal-Organic Framework with Tubular Motif Degradable under Physiological Conditions. <i>Inorganic Chemistry</i> , 2021, 60, 14221-14229.	1.9	3
12	From Mononuclear Compounds to [2 Å– 2] Metallo grids: Ferromagnetically Coupled Systems Built by Nickel(II) and 3,6-Bis(2-pyridyl)pyridazine (dppn). <i>Crystal Growth and Design</i> , 2020, 20, 6478-6492.	1.4	4
13	Supramolecular arrangements of novel clickable 4-substituted 3,6-bis(2-pyridyl)pyridazine molecules. <i>Journal of Molecular Structure</i> , 2020, 1217, 128420.	1.8	2
14	Hydrolase-like catalysis and structural resolution of natural products by a metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3080.	5.8	33
15	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. <i>Computation</i> , 2020, 8, 28.	1.0	14
16	Glassy PEEK-WC vs. Rubbery Pebax®1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1310.	1.3	12
17	Multivariate Metal-Organic Frameworks for the Simultaneous Capture of Organic and Inorganic Contaminants from Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 13601-13609.	6.6	120
18	Efficient Gas Separation and Transport Mechanism in Rare Hemilabile Metal-Organic Framework. <i>Chemistry of Materials</i> , 2019, 31, 5856-5866.	3.2	18

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19	Metal-Organic Frameworks as Playgrounds for Reticulate Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 14498-14506.	1.9	23
20	Magneto-structural correlations in Ni(II) [2 Å– 2] metallogrids featuring a variable number of μ_4 -aquo or μ_4 -hydroxo extra bridges. <i>CrystEngComm</i> , 2019, 21, 917-924.	1.3	10
21	A Metalloligand Approach for the Self-Assembly of a Magnetic Two-Dimensional Grid-of-Grids. <i>Crystal Growth and Design</i> , 2019, 19, 3905-3912.	1.4	9
22	Cu(II) complexes of cytosine and 1-methylcytosine with bromide: old motifs and new structures. <i>Journal of Coordination Chemistry</i> , 2018, 71, 615-632.	0.8	2
23	Crystallographic snapshots of host-guest interactions in drugs@metal-organic frameworks: towards mimicking molecular recognition processes. <i>Materials Horizons</i> , 2018, 5, 683-690.	6.4	64
24	Metal-organic framework technologies for water remediation: towards a sustainable ecosystem. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4912-4947.	5.2	369
25	Structural studies on Ba(II) adducts of the cytosine nucleobase and its derivative 1-Methylcytosine. <i>Journal of Coordination Chemistry</i> , 2018, 71, 828-844.	0.8	2
26	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018, 24, 17615-17615.	1.7	1
27	Lanthanide Discrimination with Hydroxyl-Decorated Flexible Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018, 57, 13895-13900.	1.9	24
28	Highly efficient temperature-dependent chiral separation with a nucleotide-based coordination polymer. <i>Chemical Communications</i> , 2018, 54, 6356-6359.	2.2	19
29	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018, 24, 17712-17718.	1.7	41
30	Cytosine Nucleobase Ligand: A Suitable Choice for Modulating Magnetic Anisotropy in Tetrahedrally Coordinated Mononuclear Co(II) Compounds. <i>Inorganic Chemistry</i> , 2017, 56, 1857-1864.	1.9	34
31	Postsynthetic Approach for the Rational Design of Chiral Ferroelectric Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 8098-8101.	6.6	81
32	Cytosine as a root to a nonconventional layered hydroxide nanostructure. <i>Journal of Coordination Chemistry</i> , 0, , 1-12.	0.8	0