

Dmytro Denysenko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8333423/publications.pdf>

Version: 2024-02-01

29
papers

1,638
citations

394286

19
h-index

434063

31
g-index

33
all docs

33
docs citations

33
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercooled water confined in a metal-organic framework. <i>Communications Physics</i> , 2020, 3, .	2.0	11
2	The 2019 surface acoustic waves roadmap. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 353001.	1.3	236
3	Dynamic Studies on Kinetic H ₂ /D ₂ Quantum Sieving in a Narrow Pore Metal-Organic Framework Grown on a Sensor Chip. <i>Chemistry - A European Journal</i> , 2019, 25, 10803-10807.	1.7	12
4	High Volumetric Hydrogen Storage Capacity using Interpenetrated Metal-Organic Frameworks. <i>Energy Technology</i> , 2018, 6, 510-512.	1.8	31
5	Metal-organic framework nanoparticles for arsenic trioxide drug delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6481-6489.	2.9	30
6	Fast Surface Acoustic Wave-Based Sensors to Investigate the Kinetics of Gas Uptake in Ultra-Microporous Frameworks. <i>ACS Sensors</i> , 2017, 2, 740-747.	4.0	54
7	Magnetodielectric coupling in a non-perovskite metal-organic framework. <i>Materials Horizons</i> , 2017, 4, 1178-1184.	6.4	10
8	Flexible chiral pyrazolate-based metal-organic framework containing saddle-type Cu ₄ (pyrazolate) ₄ units. <i>CrystEngComm</i> , 2016, 18, 7883-7893.	1.3	9
9	CFA-7: an interpenetrated metal-organic framework of the MFU-4 family. <i>Dalton Transactions</i> , 2015, 44, 13060-13070.	1.6	19
10	Elucidating Lewis acidity of metal sites in MFU-4l metal-organic frameworks: N ₂ O and CO ₂ adsorption in MFU-4l, Cu-MFU-4l and Li-MFU-4l. <i>Microporous and Mesoporous Materials</i> , 2015, 216, 146-150.	2.2	21
11	Postsynthetic Metal and Ligand Exchange in MFU-4l: A Screening Approach toward Functional Metal-Organic Frameworks Comprising Single-Site Active Centers. <i>Chemistry - A European Journal</i> , 2015, 21, 8188-8199.	1.7	70
12	Formation of a quasi-solid structure by intercalated noble gas atoms in pores of Cu-MFU-4l metal-organic framework. <i>Chemical Communications</i> , 2015, 51, 714-717.	2.2	18
13	Coordination frameworks assembled from Cu ₂ ions and H ₂ -1,3-bdpp ligands: X-ray and magneto structural investigations, and catalytic activity in the aerobic oxidation of tetralin. <i>Dalton Transactions</i> , 2014, 43, 16846-16856.	1.6	14
14	Unveiling the mechanism of selective gate-driven diffusion of CO ₂ over N ₂ in MFU-4 metal-organic framework. <i>Dalton Transactions</i> , 2014, 43, 9612-9619.	1.6	22
15	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of MFU-type Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. <i>Advanced Functional Materials</i> , 2014, 24, 3885-3896.	7.8	95
16	Scorpionate-Type Coordination in MFU Metal-Organic Frameworks: Small-Molecule Binding and Activation upon the Thermally Activated Formation of Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5832-5836.	7.2	120
17	Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. <i>Microporous and Mesoporous Materials</i> , 2013, 181, 175-181.	2.2	36
18	CFA-1: the first chiral metal-organic framework containing Kuratowski-type secondary building units. <i>Dalton Transactions</i> , 2013, 42, 10786.	1.6	55

#	ARTICLE	IF	CITATIONS
19	Partially fluorinated MIL-47 and Al-MIL-53 frameworks: influence of functionalization on sorption and breathing properties. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3552.	1.3	63
20	CFA-2 and CFA-3 (Coordination Framework Augsburg University-2 and -3); novel MOFs assembled from trinuclear Cu(i)/Ag(i) secondary building units and 3,3'-di(2,5'-biphenyl)-5,5'-dipyrazolate ligands. <i>Dalton Transactions</i> , 2013, 42, 6909.	1.6	32
21	Computational screening study towards redox-active metal-organic frameworks. <i>New Journal of Physics</i> , 2013, 15, 115004.	1.2	13
22	A Metallosupramolecular Octahedron Assembled from Twelve Copper(I) Metal Ions and Six 4,4'-bis(1,2-phenylene)bis(3,5-dimethylpyrazolate) Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1461-1471.	1.6	16
23	MFU-4l - A Metal-Organic Framework for Highly Effective H ₂ /D ₂ Separation. <i>Advanced Materials</i> , 2013, 25, 635-639.	11.1	150
24	Cu ₆ Jahn-Teller centers in coordination frameworks comprising fully condensed Kuratowski-type secondary building units: phase transitions and magneto-structural correlations. <i>Dalton Transactions</i> , 2012, 41, 4239.	1.6	21
25	Novel characterization of the adsorption sites in large pore metal-organic frameworks: combination of X-ray powder diffraction and thermal desorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12892.	1.3	12
26	Reversible gas-phase redox processes catalyzed by Co-exchanged MFU-4l(large). <i>Chemical Communications</i> , 2012, 48, 1236-1238.	2.2	108
27	A 12-connected metal-organic framework constructed from an unprecedented cyclic dodecanuclear copper cluster. <i>Chemical Communications</i> , 2012, 48, 7295.	2.2	26
28	Elucidating Gating Effects for Hydrogen Sorption in MFU-4l-Type Triazolate-Based Metal-Organic Frameworks Featuring Different Pore Sizes. <i>Chemistry - A European Journal</i> , 2011, 17, 1837-1848.	1.7	222
29	Phytolith transport in soil: A field study using fluorescent labelling. <i>Geoderma</i> , 2010, 157, 27-36.	2.3	88