Dmytro Denysenko

List of Publications by Year in descending order

29	1,638	394286 19	434063 31
papers	citations	h-index	g-index

33	33	33	2344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The 2019 surface acoustic waves roadmap. Journal Physics D: Applied Physics, 2019, 52, 353001.	1.3	236
2	Elucidating Gating Effects for Hydrogen Sorption in MFUâ€4â€Type Triazolateâ€Based Metalâ€“Organic Frameworks Featuring Different Pore Sizes. Chemistry - A European Journal, 2011, 17, 1837-1848.	1.7	222
3	MFUâ€4 â€“ A Metalâ€Organic Framework for Highly Effective H₂/D₂ Separation. Advanced Materials, 2013, 25, 635-639.	11.1	150
4	Scorpionateâ€Type Coordination in MFUâ€4l Metalâ€“Organic Frameworks: Smallâ€Molecule Binding and Activation upon the Thermally Activated Formation of Open Metal Sites. Angewandte Chemie - International Edition, 2014, 53, 5832-5836.	7.2	120
5	Reversible gas-phase redox processes catalyzed by Co-exchanged MFU-4l(arge). Chemical Communications, 2012, 48, 1236-1238.	2.2	108
6	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of MFUâ€4â€type Metalâ€Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. Advanced Functional Materials, 2014, 24, 3885-3896.	7.8	95
7	Phytolith transport in soil: A field study using fluorescent labelling. Geoderma, 2010, 157, 27-36.	2.3	88
8	Postsynthetic Metal and Ligand Exchange in MFUâ€4l: A Screening Approach toward Functional Metalâ€“Organic Frameworks Comprising Singleâ€Site Active Centers. Chemistry - A European Journal, 2015, 21, 8188-8199.	1.7	70
9	Partially fluorinated MIL-47 and Al-MIL-53 frameworks: influence of functionalization on sorption and breathing properties. Physical Chemistry Chemical Physics, 2013, 15, 3552.	1.3	63
10	CFA-1: the first chiral metalâ€“organic framework containing Kuratowski-type secondary building units. Dalton Transactions, 2013, 42, 10786.	1.6	55
11	Fast Surface Acoustic Wave-Based Sensors to Investigate the Kinetics of Gas Uptake in Ultra-Microporous Frameworks. ACS Sensors, 2017, 2, 740-747.	4.0	54
12	Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. Microporous and Mesoporous Materials, 2013, 181, 175-181.	2.2	36
13	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 3,3â€²,5,5â€²-tetraphenyl-bipyrazolate ligands. Dalton Transactions, 2013, 42, 6909.	1.6	32
14	High Volumetric Hydrogen Storage Capacity using Interpenetrated Metalâ€“Organic Frameworks. Energy Technology, 2018, 6, 510-512.	1.8	31
15	Metalâ€“organic framework nanoparticles for arsenic trioxide drug delivery. Journal of Materials Chemistry B, 2018, 6, 6481-6489.	2.9	30
16	A 12-connected metalâ€“organic framework constructed from an unprecedented cyclic dodecanuclear copper cluster. Chemical Communications, 2012, 48, 7295.	2.2	26
17	Unveiling the mechanism of selective gate-driven diffusion of CO2 over N2 in MFU-4 metalâ€“organic framework. Dalton Transactions, 2014, 43, 9612-9619.	1.6	22
18	CuN6 Jahnâ€“Teller centers in coordination frameworks comprising fully condensed Kuratowski-type secondary building units: phase transitions and magneto-structural correlations. Dalton Transactions, 2012, 41, 4239.	1.6	21

#	Article	IF	Citations
19	Elucidating Lewis acidity of metal sites in MFU-4l metal-organic frameworks: N2O and CO2 adsorption in MFU-4l, CuI-MFU-4l and Li-MFU-4l. Microporous and Mesoporous Materials, 2015, 216, 146-150.	2.2	21
20	CFA-7: an interpenetrated metalâ€“organic framework of the MFU-4 family. Dalton Transactions, 2015, 44, 13060-13070.	1.6	19
21	Formation of a quasi-solid structure by intercalated noble gas atoms in pores of Cu^I-MFU-4l metalâ€“organic framework. Chemical Communications, 2015, 51, 714-717.	2.2	18
22	A Metallosupramolecular Octahedron Assembled from Twelve Copper(I) Metal Ions and Six 4,4â€²â€²(1,2â€Phenylene)bis(3,5â€dimethylpyrazolâ€1â€ide) Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1461-1471.	1.6	16
23	Coordination frameworks assembled from Cu^{II} ions and H₂-1,3-bdpb ligands: X-ray and magneto structural investigations, and catalytic activity in the aerobic oxidation of tetralin. Dalton Transactions, 2014, 43, 16846-16856.	1.6	14
24	Computational screening study towards redox-active metal-organic frameworks. New Journal of Physics, 2013, 15, 115004.	1.2	13
25	Novel characterization of the adsorption sites in large pore metalâ€“organic frameworks: combination of X-ray powder diffraction and thermal desorption spectroscopy. Physical Chemistry Chemical Physics, 2012, 14, 12892.	1.3	12
26	Dynamic Studies on Kinetic H₂/D₂ Quantum Sieving in a Narrow Pore Metalâ€“Organic Framework Grown on a Sensor Chip. Chemistry - A European Journal, 2019, 25, 10803-10807.	1.7	12
27	Supercooled water confined in a metal-organic framework. Communications Physics, 2020, 3, .	2.0	11
28	Magnetodielectric coupling in a non-perovskite metalâ€“organic framework. Materials Horizons, 2017, 4, 1178-1184.	6.4	10
29	Flexible chiral pyrazolate-based metalâ€“organic framework containing saddle-type Cu^I₄(pyrazolate)₄units. CrystEngComm, 2016, 18, 7883-7893.	1.3	9