

Iurii Dovgaliuk

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,112
citations

566801

15
h-index

414034

32
g-index

45
all docs

45
docs citations

45
times ranked

1927
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal unequilibrium of strained black CsPbI ₃ thin films. <i>Science</i> , 2019, 365, 679-684.	6.0	444
2	Metal-organic magnets with large coercivity and ordering temperatures up to 242Å°C. <i>Science</i> , 2020, 370, 587-592.	6.0	91
3	Monodispersed MOF-808 Nanocrystals Synthesized via a Scalable Room-Temperature Approach for Efficient Heterogeneous Peptide Bond Hydrolysis. <i>Chemistry of Materials</i> , 2021, 33, 7057-7066.	3.2	51
4	Reduction of CO ₂ with KBH ₄ in solvent-free conditions. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14377-14386.	3.8	42
5	A Robust Titanium Isophthalate Metal-Organic Framework for Visible-Light Photocatalytic CO ₂ Methanation. <i>CheM</i> , 2020, 6, 3409-3427.	5.8	41
6	Mild Dehydrogenation of Ammonia Borane Complexed with Aluminum Borohydride. <i>Chemistry of Materials</i> , 2015, 27, 768-777.	3.2	40
7	The First Halide-Free Bimetallic Aluminum Borohydride: Synthesis, Structure, Stability, and Decomposition Pathway. <i>Journal of Physical Chemistry C</i> , 2014, 118, 145-153.	1.5	34
8	Deactivation of Zeolite Catalyst H-ZSM-5 during Conversion of Methanol to Gasoline: Operando Time- and Space-Resolved X-ray Diffraction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1324-1328.	2.1	33
9	Biporous Metal-Organic Framework with Tunable CO ₂ /CH ₄ Separation Performance Facilitated by Intrinsic Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36144-36156.	4.0	33
10	A zirconium metal-organic framework with SOC topological net for catalytic peptide bond hydrolysis. <i>Nature Communications</i> , 2022, 13, 1284.	5.8	32
11	A Composite of Complex and Chemical Hydrides Yields the First Al-Based Amidoborane with Improved Hydrogen Storage Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 14562-14570.	1.7	31
12	Aluminium complexes of B- and N-based hydrides: Synthesis, structures and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15489-15504.	3.8	30
13	Single-Step Synthesis of Dual Phase Bright Blue-Green Emitting Lead Halide Perovskite Nanocrystal Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 6824-6832.	3.2	26
14	Solid Aluminum Borohydrides for Prospective Hydrogen Storage. <i>ChemSusChem</i> , 2017, 10, 4725-4734.	3.6	24
15	CO ₂ -promoted hydrolysis of KBH ₄ for efficient hydrogen co-generation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19603-19608.	3.8	17
16	Argyrodite-Type Cu ₈ GeSe ₆ Te _x (0 ≤ x ≤ 2): Temperature-Dependent Crystal Structure and Thermoelectric Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1915-1922.	0.6	16
17	Discovery of new boron-rich chalcogenides: orthorhombic B ₆ X (X=S, Se). <i>Scientific Reports</i> , 2020, 10, 9277.	1.6	15
18	Factors Determining Microporous Material Stability in Water: The Curious Case of SAPO-37. <i>Chemistry of Materials</i> , 2020, 32, 1495-1505.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Cooperative Adsorption by Porous Frameworks: Diffraction Experiment and Phenomenological Theory. Chemistry - A European Journal, 2017, 23, 17714-17720.	1.7	12

20 Element selective magnetism in $\text{Ho}_{0.5}\text{Mn}_{0.5}\text{Si}_2$

#	ARTICLE	IF	CITATIONS
37	Kinetics of gas sorption by porous frameworks probed by sub-second synchrotron powder X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e158-e158.	0.0	0
38	A bi-porous metal-organic framework with tuneable sorption performance facilitated by intrinsic flexibility. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e261-e261.	0.0	0
39	Diffusion mechanisms of gas adsorption by porous frameworks from sub-second synchrotron powder X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e687-e687.	0.0	0
40	Accessing micro- and macroscopic pictures of gas adsorption by <i>in situ</i> powder diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C360-C360.	0.0	0