

Yaroslav Losovyj

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

5,032
citations

586496

16
h-index

620720

26
g-index

26
all docs

26
docs citations

26
times ranked

10630
citing authors

#	ARTICLE	IF	CITATIONS
1	Low trap-state density and long carrier diffusion in organolead trihalide perovskite single crystals. <i>Science</i> , 2015, 347, 519-522.	6.0	4,156
2	Organotrисульфид: A High Capacity Cathode Material for Rechargeable Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10027-10031.	7.2	158
3	A low spin manganese(IV) nitride single molecule magnet. <i>Chemical Science</i> , 2016, 7, 6132-6140.	3.7	112
4	The unique chemistry of thiuram polysulfides enables energy dense lithium batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25005-25013.	5.2	71
5	Tuning infrared plasmon resonances in doped metal-oxide nanocrystals through cation-exchange reactions. <i>Nature Communications</i> , 2019, 10, 1394.	5.8	64
6	A flexible, redox-active macrocycle enables the electrocatalytic reduction of nitrate to ammonia by a cobalt complex. <i>Chemical Science</i> , 2018, 9, 4950-4958.	3.7	63
7	Graphite Conjugation of a Macrocyclic Cobalt Complex Enhances Nitrite Electroreduction to Ammonia. <i>Journal of the American Chemical Society</i> , 2021, 143, 7203-7208.	6.6	54
8	Ru-Containing Magnetically Recoverable Catalysts: A Sustainable Pathway from Cellulose to Ethylene and Propylene Glycols. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21285-21293.	4.0	51
9	Structural and spectroscopic characterization of an Fe(VI) bis(imido) complex. <i>Science</i> , 2020, 370, 356-359.	6.0	40
10	Achieving Highly Durable Random Alloy Nanocatalysts through Intermetallic Cores. <i>ACS Nano</i> , 2019, 13, 4008-4017.	7.3	37
11	Polythiophene Thin Films by Surface-Initiated Polymerization: Mechanistic and Structural Studies. <i>Chemistry of Materials</i> , 2016, 28, 4787-4804.	3.2	23
12	Evidence for Quinone Redox Chemistry Mediating Daytime and Nighttime NO ₂ -to-HONO Conversion on Soil Surfaces. <i>Environmental Science & Technology</i> , 2017, 51, 9633-9643.	4.6	23
13	Large-size niobium disulfide nanoflakes down to bilayers grown by sulfurization. <i>Nano Research</i> , 2018, 11, 5978-5988.	5.8	21
14	Strong π -Backbonding Enables Record Magnetic Exchange Coupling Through Cyanide. <i>Journal of the American Chemical Society</i> , 2019, 141, 17092-17097.	6.6	21
15	Partial Nitrogen Atom Transfer: A New Synthetic Tool to Design Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2015, 54, 9075-9080.	1.9	20
16	Facile Synthesis of Magnetically Recoverable Pd and Ru Catalysts for 4-Nitrophenol Reduction: Identifying Key Factors. <i>ACS Omega</i> , 2018, 3, 14717-14725.	1.6	20
17	Organotrисульфид: A High Capacity Cathode Material for Rechargeable Lithium Batteries. <i>Angewandte Chemie</i> , 2016, 128, 10181-10185.	1.6	19
18	Efficient Furfuryl Alcohol Synthesis from Furfural over Magnetically Recoverable Catalysts: Does the Catalyst Stabilizing Medium Matter?. <i>ChemistrySelect</i> , 2017, 2, 5485-5491.	0.7	16

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19	Silica- α -Conjugated Polymer Hybrid Fluorescent Nanoparticles: Preparation by Surface-Initiated Polymerization and Spectroscopic Studies. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6963-6975.	1.5	14
20	Zn ²⁺ Ion Surface Enrichment in Doped Iron Oxide Nanoparticles Leads to Charge Carrier Density Enhancement. <i>ACS Omega</i> , 2018, 3, 16328-16337.	1.6	13
21	pH-Induced Surface Modification of Atomically Precise Silver Nanoclusters: An Approach for Tunable Optical and Electronic Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11522-11528.	1.9	10
22	Rotationally Free and Rigid Sublattices of the Single Crystal Perovskite CH ₃ NH ₃ PbBr ₃ (001): The Case of the Lattice Polar Liquid. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25506-25514.	1.5	8
23	Seeking Redox Activity in a Tetrazinyl Pincer Ligand: Installing Zerovalent Cr and Mo. <i>Inorganic Chemistry</i> , 2018, 57, 12671-12682.	1.9	7
24	C-F Bond Activation in the Solid State: Functionalization of Carbon through Reactions of Graphite Fluoride with Amines. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10326-10333.	1.5	6
25	Self-organization of various α -phase-separated nanostructures in a single chemical vapor deposition. <i>Nano Research</i> , 2020, 13, 1723-1732.	5.8	3
26	Cyanographite. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3001-3008.	1.5	2