

Yaroslav Losovyj

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

5,032
citations

516710

16
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

9081
citing authors

#	ARTICLE	IF	CITATIONS
1	Low trap-state density and long carrier diffusion in organolead trihalide perovskite single crystals. Science, 2015, 347, 519-522.	12.6	4,156
2	Organotrissulfide: A High Capacity Cathode Material for Rechargeable Lithium Batteries. Angewandte Chemie - International Edition, 2016, 55, 10027-10031.	13.8	158
3	A low spin manganese(IV) nitride single molecule magnet. Chemical Science, 2016, 7, 6132-6140.	7.4	112
4	The unique chemistry of thiuram polysulfides enables energy dense lithium batteries. Journal of Materials Chemistry A, 2017, 5, 25005-25013.	10.3	71
5	Tuning infrared plasmon resonances in doped metal-oxide nanocrystals through cation-exchange reactions. Nature Communications, 2019, 10, 1394.	12.8	64
6	A flexible, redox-active macrocycle enables the electrocatalytic reduction of nitrate to ammonia by a cobalt complex. Chemical Science, 2018, 9, 4950-4958.	7.4	63
7	Graphite Conjugation of a Macrocyclic Cobalt Complex Enhances Nitrite Electroreduction to Ammonia. Journal of the American Chemical Society, 2021, 143, 7203-7208.	13.7	54
8	Ru-Containing Magnetically Recoverable Catalysts: A Sustainable Pathway from Cellulose to Ethylene and Propylene Glycols. ACS Applied Materials & Interfaces, 2016, 8, 21285-21293.	8.0	51
9	Structural and spectroscopic characterization of an Fe(VI) bis(imido) complex. Science, 2020, 370, 356-359.	12.6	40
10	Achieving Highly Durable Random Alloy Nanocatalysts through Intermetallic Cores. ACS Nano, 2019, 13, 4008-4017.	14.6	37
11	Polythiophene Thin Films by Surface-Initiated Polymerization: Mechanistic and Structural Studies. Chemistry of Materials, 2016, 28, 4787-4804.	6.7	23
12	Evidence for Quinone Redox Chemistry Mediating Daytime and Nighttime NO ₂ -to-HONO Conversion on Soil Surfaces. Environmental Science & Technology, 2017, 51, 9633-9643.	10.0	23
13	Large-size niobium disulfide nanoflakes down to bilayers grown by sulfurization. Nano Research, 2018, 11, 5978-5988.	10.4	21
14	Strong π -Backbonding Enables Record Magnetic Exchange Coupling Through Cyanide. Journal of the American Chemical Society, 2019, 141, 17092-17097.	13.7	21
15	Partial Nitrogen Atom Transfer: A New Synthetic Tool to Design Single-Molecule Magnets. Inorganic Chemistry, 2015, 54, 9075-9080.	4.0	20
16	Facile Synthesis of Magnetically Recoverable Pd and Ru Catalysts for 4-Nitrophenol Reduction: Identifying Key Factors. ACS Omega, 2018, 3, 14717-14725.	3.5	20
17	Organotrissulfide: A High Capacity Cathode Material for Rechargeable Lithium Batteries. Angewandte Chemie, 2016, 128, 10181-10185.	2.0	19
18	Efficient Furfuryl Alcohol Synthesis from Furfural over Magnetically Recoverable Catalysts: Does the Catalyst Stabilizing Medium Matter?. ChemistrySelect, 2017, 2, 5485-5491.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Silica-“Conjugated Polymer Hybrid Fluorescent Nanoparticles: Preparation by Surface-Initiated Polymerization and Spectroscopic Studies. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6963-6975.	3.1	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.	3.5	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.	4.0	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.	3.1	8
23	Seeking Redox Activity in a Tetrazinyl Pincer Ligand: Installing Zerovalent Cr and Mo. <i>Inorganic Chemistry</i> , 2018, 57, 12671-12682.	4.0	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.	3.1	6
25	Self-organization of various “phase-separated” nanostructures in a single chemical vapor deposition. <i>Nano Research</i> , 2020, 13, 1723-1732.	10.4	3
26	Cyanographite. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3001-3008.	3.1	2