

Vasilii Dubrovin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metamagnetic transition and a loss of magnetic hysteresis caused by electron trapping in monolayers of single-molecule magnet Tb ₂ @C ₇₉ N. <i>Nanoscale</i> , 2022, 14, 9877-9892.	5.6	6
2	Valence electrons in lanthanide-based single-atom magnets: a paradigm shift in 4f-magnetism modeling and design. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2373-2384.	6.0	4
3	Metallofullerene photoswitches driven by photoinduced fullerene-to-metal electron transfer. <i>Chemical Science</i> , 2021, 12, 7818-7838.	7.4	7
4	Caught in Phase Transition: Snapshot of the Metallofullerene Sc ₃ N@C ₇₀ Rotation in the Crystal. <i>Journal of the American Chemical Society</i> , 2021, 143, 612-616.	13.7	10
5	Precise measurement of angles between two magnetic moments and their configurational stability in single-molecule magnets. <i>Physical Review B</i> , 2021, 104, .	3.2	5
6	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5756-5764.	13.8	26
7	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. <i>Angewandte Chemie</i> , 2020, 132, 5805-5813.	2.0	1
8	Mixed dysprosium-lanthanide nitride clusterfullerenes Dy ₂ N@C ₈₀ -I _h and Dy ₂ MN@C ₈₀ -I _h (M = Gd, Er, Tm, and Lu): synthesis, molecular structure, and quantum motion of the endohedral nitrogen atom. <i>Nanoscale</i> , 2019, 11, 13139-13153.	5.6	15
9	Endohedral metal-nitride cluster ordering in metallofullerene-Ni ^{II} (OEP) complexes and crystals: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8197-8200.	2.8	22
10	Hohe Block-Temperatur der Magnetisierung und herausragende Koerzitivfeldstärke im Azafulleren Tb ₂ @C ₇₉ N mit einer Einelektronen-Terbium-Terbium-Bindung. <i>Angewandte Chemie</i> , 2019, 131, 5951-5956.	2.0	12
11	High Blocking Temperature of Magnetization and Giant Coercivity in the Azafullerene Tb ₂ @C ₇₉ N with a Single-Electron Terbium-Terbium Bond. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5891-5896.	13.8	66
12	Magnetism in Ln molecular systems with 4f/valence-shell interplay (FV-magnetism). <i>Chemical Communications</i> , 2019, 55, 13963-13966.	4.1	13
13	Conformational preferences of endohedral metallofullerenes on Ag, Au, and MgO surfaces: Theoretical studies. <i>Journal of Computational Chemistry</i> , 0, , .	3.3	2