

Bogdan Botar

List of Publications by Year in descending order

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25
papers

1,718
citations

394421

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25
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33
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docs citations

33
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	An All- Inorganic , Stable, and Highly Active Tetra-ruthenium Homogeneous Catalyst for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3896-3899.	13.8	559
2	Drawing Small Cations into Highly Charged Porous Nanocontainers Reveals "Water" Assembly and Related Interaction Problems. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2085-2090.	13.8	137
3	The True Nature of the Di-iron(III) Keggin Structure in Water: Catalytic Aerobic Oxidation and Chemistry of an Unsymmetrical Trimer. <i>Journal of the American Chemical Society</i> , 2006, 128, 11268-11277.	13.7	105
4	$[\{\text{Mo}_5\text{O}_{21}(\text{H}_2\text{O})_3(\text{SO}_4)\}_2(\text{VO})_3(\text{H}_2\text{O})_{20}]^{36-}$: A molecular quantum spin icosidodecahedron. <i>Chemical Communications</i> , 2005, , 3138.	4.1	96
5	On the complex hedgehog-shaped cluster species containing 368 Mo atoms: simple preparation method, new spectral details and information about the unique formation. <i>Polyhedron</i> , 2004, 23, 2381-2385.	2.2	70
6	Tetrairon and Hexairon Hydroxo/Acetato Clusters Stabilized by Multiple Polyoxometalate Scaffolds. Structures, Magnetic Properties, and Chemistry of a Dimer and a Trimer. <i>Inorganic Chemistry</i> , 2007, 46, 5398-5403.	4.0	66
7	A Nanoring "Nanosphere Molecule, $\{\text{Mo}_{214}\text{V}_{30}\}$: Pushing the Boundaries of Controllable Inorganic Structural Organization at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2006, 128, 5336-5337.	13.7	55
8	A highly nuclear vanadium-containing tungstobismutate: synthesis and crystal structure of $\text{K}_{11}\text{H}[(\text{BiW}_9\text{O}_{33})_3\text{Bi}_6(\text{OH})_3(\text{H}_2\text{O})_3\text{V}_4\text{O}_{10}]\cdot 25\text{H}_2\text{O}$. <i>Inorganic Chemistry Communication</i> , 2000, 3, 579-584.	3.9	54
9	Electronic Control of Spin Coupling in Keplerate-type Polyoxomolybdates. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9080-9083.	13.8	50
10	Chemical Structure and Intramolecular Spin-Exchange Interaction of $[(\text{VO})_3(\text{SbW}_9\text{O}_{33})_2]^{12-}$. <i>Chemistry Letters</i> , 2001, 30, 56-57.	1.3	48
11	The Role of the Central Atom in Structure and Reactivity of Polyoxometalates with Adjacent d -Electron Metal Sites. Computational and Experimental Studies of $[\text{X}_n\text{O}_4]^{n-}$ - $[\text{X}_n\text{O}_4]^{n-}$ for $\text{MFM} = \text{Mo}$ and W , and $\text{X} = \text{Al}^{\text{III}}$, Si^{IV} , P^{V} , and S^{VI} . <i>Journal of Physical Chemistry B</i> , 2006, 110, 170-173.	2.6	42
12	Synthesis and crystal structure of a novel vanadium-containing tungstobismutate(III) $\text{K}_{12}[(\text{VO})_3(\text{BiW}_9\text{O}_{33})_2]\cdot 30\text{H}_2\text{O}$. <i>Inorganic Chemistry Communication</i> , 2001, 4, 551-554.	3.9	39
13	A potassium selective "nanosponge" with well defined pores. <i>Chemical Communications</i> , 2002, , 2944-2945.	4.1	37
14	Ferrimagnetically ordered nanosized polyoxomolybdate-based cluster spheres. <i>Chemical Communications</i> , 2005, , 5621.	4.1	36
15	Mapping the formation areas of giant molybdenum blue clusters: a spectroscopic study. <i>Dalton Transactions</i> , 2012, 41, 8951.	3.3	31
16	Asymmetric terminal ligation on substituted sites in a disorder-free Keggin anion, $[\text{Si}_2\text{Fe}_2\text{W}_{10}\text{O}_{36}(\text{OH})_2(\text{H}_2\text{O})\text{Cl}]^{5-}$. <i>Dalton Transactions</i> , 2005, , 2017.	3.3	27
17	Acetate-driven polyoxometalate demetalation: An open-shell diiron polytungstate comprising two rotational Keggin isomers. <i>Dalton Transactions</i> , 2008, , 3150.	3.3	24
18	New complexes and materials for O_2 -based oxidations. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 234-238.	4.8	22

#	ARTICLE	IF	CITATIONS
19	K11[HSn3II(PW9VIO34)2] · 1/2 27 H2O - Synthese und Struktur. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 1435-1440.	1.2	18
20	Acetate-controlled demetalation in multiiron polyoxometalates: A triiron cluster trapped between $\hat{\Gamma}^2$ - and $\hat{\Gamma}^3$ -Keggin isomers. Dalton Transactions, 2009, , 5606.	3.3	18
21	Removing Compositional Boundaries in Mixed-Linker Keplerate Clusters. European Journal of Inorganic Chemistry, 2009, 2009, 5071-5074.	2.0	12
22	Polyoxometalate-directed assembly of water-soluble AgCl nanocubes. Chemical Communications, 2012, 48, 2207.	4.1	12
23	A Potassium Selective "Nanosponge" with Well Defined Pores.. ChemInform, 2003, 34, no.	0.0	0
24	Drawing Small Cations into Highly Charged Porous Nanocontainers Reveals "Water" Assembly and Related Interaction Problems.. ChemInform, 2003, 34, no.	0.0	0
25	[(Mo)Mo5O21(H2O)3 (SO4)]12(VO)30 (H2O)20]36-: A Molecular Quantum Spin Icosidodecahedron.. ChemInform, 2005, 36, no.	0.0	0