

# Bogdan Botar

## List of Publications by Year in descending order

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25  
papers

1,718  
citations

394421

19  
h-index

580821

25  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxometalate-directed assembly of water-soluble AgCl nanocubes. <i>Chemical Communications</i> , 2012, 48, 2207.	4.1	12
2	Mapping the formation areas of giant molybdenum blue clusters: a spectroscopic study. <i>Dalton Transactions</i> , 2012, 41, 8951.	3.3	31
3	Removing Compositional Boundaries in Mixed-Linker Keplerate Type Polyoxomolybdates. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5071-5074.	2.0	12
4	Electronic Control of Spin Coupling in Keplerate Type Polyoxomolybdates. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9080-9083.	13.8	50
5	Acetate-controlled demetalation in multiiron polyoxometalates: A triiron cluster trapped between $\hat{2}$ - and $\hat{3}$ -Keggin isomers. <i>Dalton Transactions</i> , 2009, , 5606.	3.3	18
6	An All Inorganic, Stable, and Highly Active Tetraruthenium Homogeneous Catalyst for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3896-3899.	13.8	559
7	Acetate-driven polyoxometalate demetalation: An open-shell diiron polytungstate comprising two rotational Keggin isomers. <i>Dalton Transactions</i> , 2008, , 3150.	3.3	24
8	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
9	The Role of the Central Atom in Structure and Reactivity of Polyoxometalates with Adjacent d-Electron Metal Sites. Computational and Experimental Studies of $\hat{3}$ - $[(X_{n+O4})Ru^{III}_2(OH)_2(MFM)_{10O32}](8-n)$ -for MFM= Mo and W, and X = Al <sup>III</sup> , Si <sup>IV</sup> , V <sup>V</sup> , and S <sup>VI</sup> . <i>Journal of Physical Chemistry B</i> , 2006, 110, 170-173.	2.6	42
10	The True Nature of the Di-iron(III) $\hat{3}$ -Keggin Structure in Water: A Catalytic Aerobic Oxidation and Chemistry of an Unsymmetrical Trimer. <i>Journal of the American Chemical Society</i> , 2006, 128, 11268-11277.	13.7	105
11	A Nanoring Nanosphere Molecule, $\{Mo_{214}V_{30}\}$ : 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
12	New complexes and materials for O <sub>2</sub> -based oxidations. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 234-238.	4.8	22
13	$[(Mo)Mo_5O_{21}(H_2O)_3(SO_4)]_{12}(VO)_3O_{30}(H_2O)_{20}]_{36}$ : A Molecular Quantum Spin Icosidodecahedron.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
14	$[(Mo)Mo_5O_{21}(H_2O)_3(SO_4)]_{12}(VO)_3O_{30}(H_2O)_{20}]_{36}$ : A molecular quantum spin icosidodecahedron. <i>Chemical Communications</i> , 2005, , 3138.	4.1	96
15	Ferrimagnetically ordered nanosized polyoxomolybdate-based cluster spheres. <i>Chemical Communications</i> , 2005, , 5621.	4.1	36
16	Asymmetric terminal ligation on substituted sites in a disorder-free Keggin anion, $[\hat{2}\text{-SiFe}_2\text{W}_{10}\text{O}_{36}(\text{OH})_2(\text{H}_2\text{O})\text{Cl}]_5$ . <i>Dalton Transactions</i> , 2005, , 2017.	3.3	27
17	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
18	A Potassium Selective "Nanosponge" with Well Defined Pores.. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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19	Drawing Small Cations into Highly Charged Porous Nanocontainers Reveals "Water" Assembly and Related Interaction Problems.. ChemInform, 2003, 34, no.	0.0	0
20	Drawing Small Cations into Highly Charged Porous Nanocontainers Reveals "Water" Assembly and Related Interaction Problems. Angewandte Chemie - International Edition, 2003, 42, 2085-2090.	13.8	137
21	A potassium selective "nanosponge"™ with well defined pores. Chemical Communications, 2002, , 2944-2945.	4.1	37
22	Chemical Structure and Intramolecular Spin-Exchange Interaction of [(VO) <sub>3</sub> (SbW <sub>9</sub> O <sub>33</sub> ) <sub>2</sub> ] <sub>12</sub> · <sup>+</sup> . Chemistry Letters, 2001, 30, 56-57.	1.3	48
23	Synthesis and crystal structure of a novel vanadium-containing tungstobismutate(III) K <sub>12</sub> [(VO) <sub>3</sub> (BiW <sub>9</sub> O <sub>33</sub> ) <sub>2</sub> ]·30H <sub>2</sub> O. Inorganic Chemistry Communication, 2001, 4, 551-554.	3.9	39
24	A highly nuclear vanadium-containing tungstobismutate: synthesis and crystal structure of K <sub>11</sub> H[(BiW <sub>9</sub> O <sub>33</sub> ) <sub>3</sub> Bi <sub>6</sub> (OH) <sub>3</sub> (H <sub>2</sub> O) <sub>3</sub> V <sub>4</sub> O <sub>10</sub> ]·25 H <sub>2</sub> O. Inorganic Chemistry Communication, 2000, 3, 579-584.	3.9	54
25	K <sub>11</sub> [HSn <sub>3</sub> II(PW <sub>9</sub> VI <sub>3</sub> O <sub>34</sub> ) <sub>2</sub> ] · 1/2 27 H <sub>2</sub> O - Synthese und Struktur. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 1435-1440.	1.2	18