

Lista de publicații Bogdan Botar (in ordine cronologică inversă)

B. Botar “**Verbundmaterial aus aktivem Material und Trägermaterial sowie Herstellungsverfahren**“ DE102016009229(A1)

B. Botar “**Starke Festkörpersäure auf der Basis eines Polyoxometalats (Strong Solid Acids based on Polyoxometalates)**“ European patent EP 2913303 A1, 2015.

C. L. Hill, Y. V. Geletii, D. G. Musaev, Q. Yin and B. Botar “**Polyoxometalate Water Oxidation Catalysts and Methods of Use**“ WO patent 2010/107919 A1; US patent 8822367 B2, 2014.

B. Botar, B., A. Ellern, and P. Kögerler “**Mapping the Formation Areas of Giant Molybdenum Blue Clusters: a Spectroscopic Study**”, *Dalton Trans.*, **2012**, *41*, 8951-8959.
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A. Neyman, Y. Wang, S. Sharet, N. Varsano, B. Botar, P. Kögerler, L. Meshi, I. A. Weinstock* “**Polyoxometalate-directed assembly of water-soluble AgCl nanocubes**“ *Chem. Commun.* **2012**, *48*, 2207-2209. Număr de citații: 12

B. Botar, A. Ellern and P. Kögerler “**Acetate-controlled demetalation in multiiron polyoxometalates: A triiron cluster trapped between beta- and gamma-Keggin isomers**” *Dalton Trans.*, **2009**, 5606-5608. Număr de citații: 15

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Y. V. Geletii, B. Botar, Paul Kögerler, D. A. Hillesheim, D. G. Musaev, and C. L. Hill “**An all-inorganic, stable and highly active tetra-ruthenium homogeneous catalyst for water oxidation**” *Angew. Chem., Int. Ed.* **2008**, *47*, 3896-3899. Număr de citații: 507; Acest articol a fost ulterior menționat și mediatizat în revista științifică Spektrum (Germania) precum și în ziare de largă circulație în Frankfurter Allgemeine Zeitung (Germania) și Neue Zürcher Zeitung (Elveția).

B. Botar and P. Kögerler “**Acetate-driven polyoxometalate demetalation: An open-shell di-iron polytungstate comprising two rotational Keggin isomers**” *Dalton Trans.*, **2008**, 3150-3152. Număr de citații: 20

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B. Botar, Y. V. Geletii, I. A. Weinstock, P. Kögerler, and C. L. Hill **“The True Nature of the Diiron(III) γ -Keggin Structure in Water. Catalytic Aerobic Oxidation and Chemistry of an Unsymmetrical Trimer”** *J. Am. Chem. Soc.* **2006**, *128*, 11268-11277. Număr de citații: 104

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C. L. Hill, T. M. Anderson, J. –K. Han, D. A. Hillesheim, Y. V. Geletii, N. M. Okun, R. Cao, B. Botar, D. G. Musaev and K. Morokuma **“New Complexes and Materials for O₂-Based Oxidations”** *J. Mol. Catal. A. Chem.* **2006**, *251*, 234-238. Număr de citații: 23

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23 articole științifice

1 capitol de carte

4 patente/propuneri de patente

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