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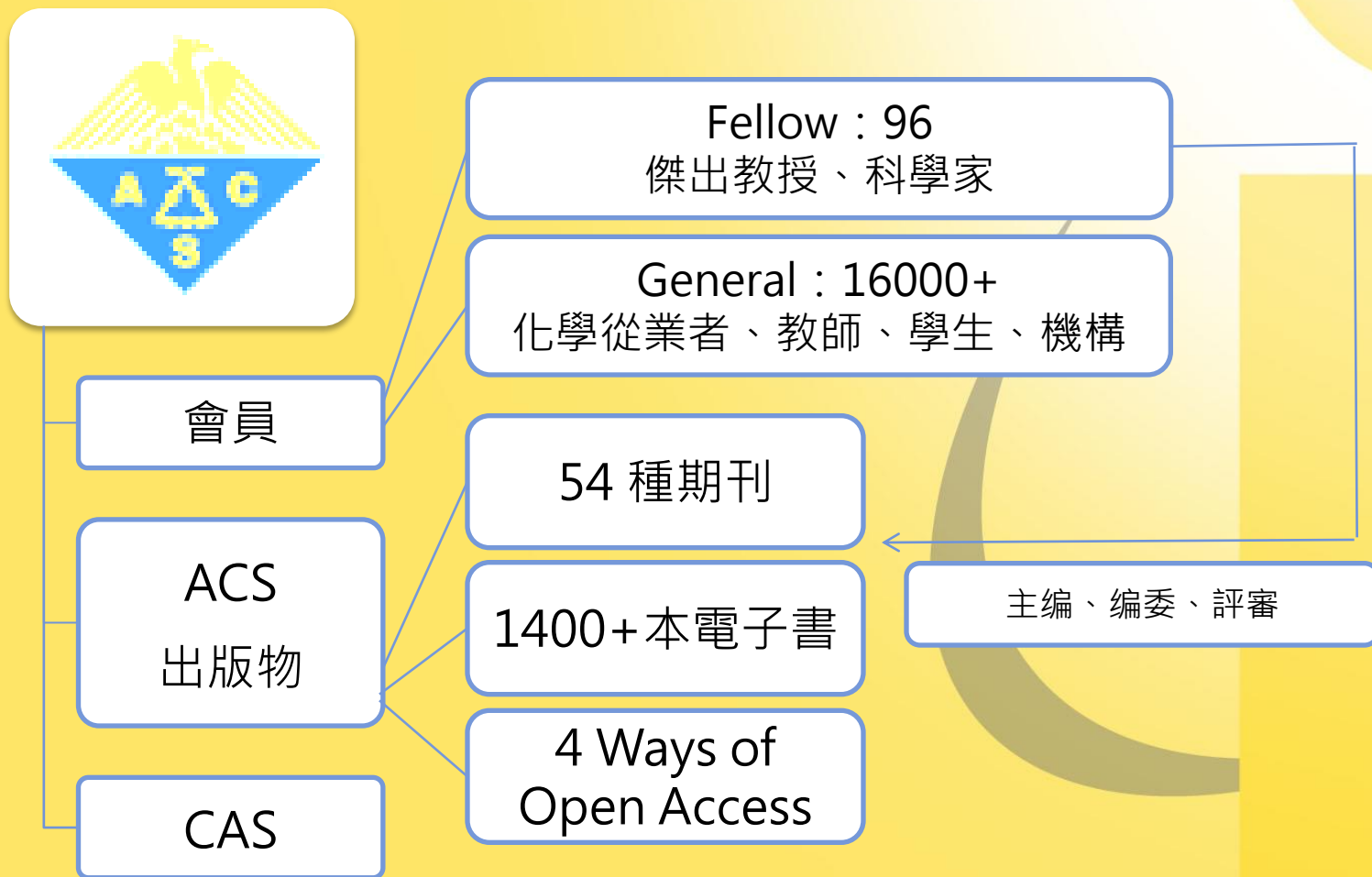
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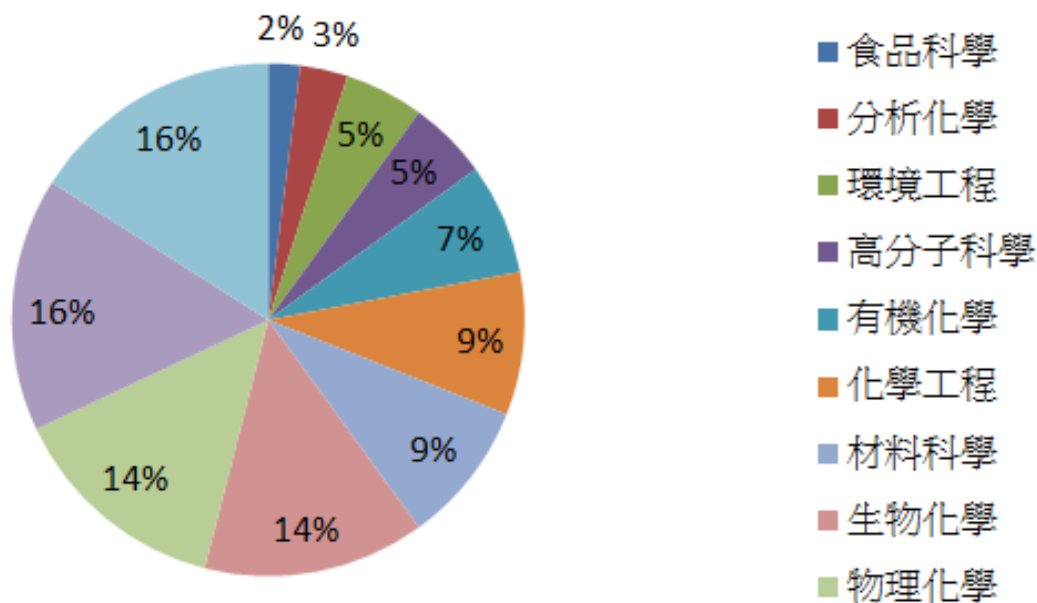


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Technology Review Sep 2, 2011

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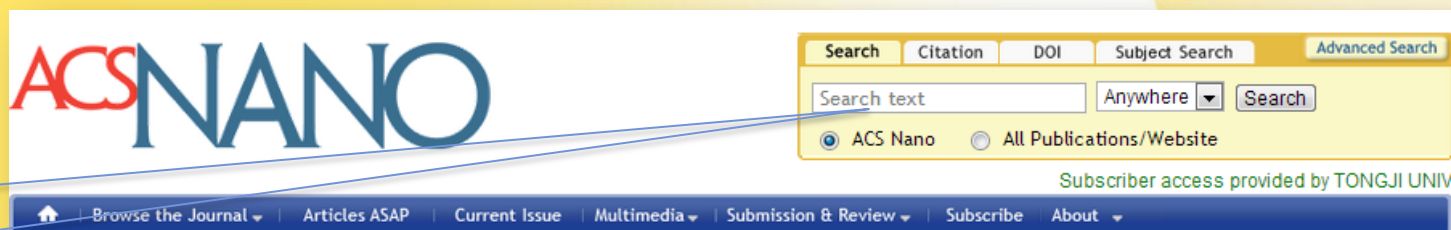
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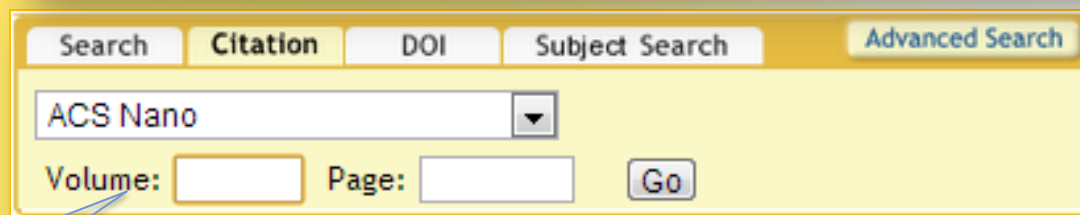
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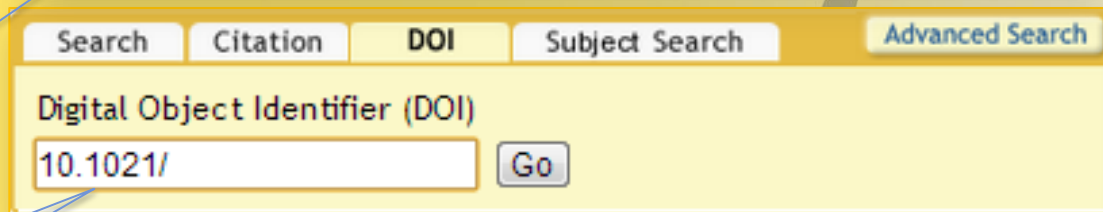
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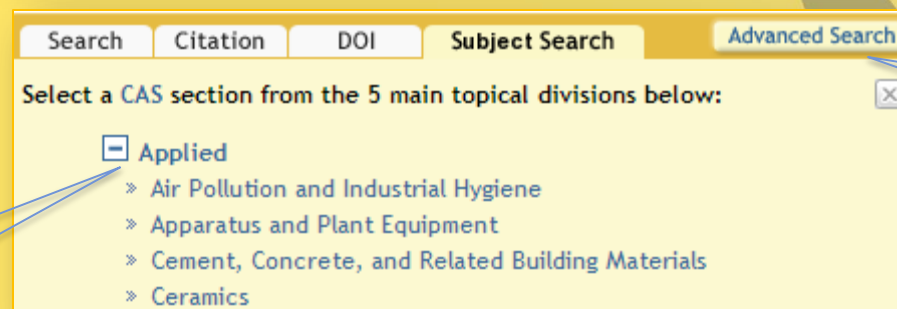
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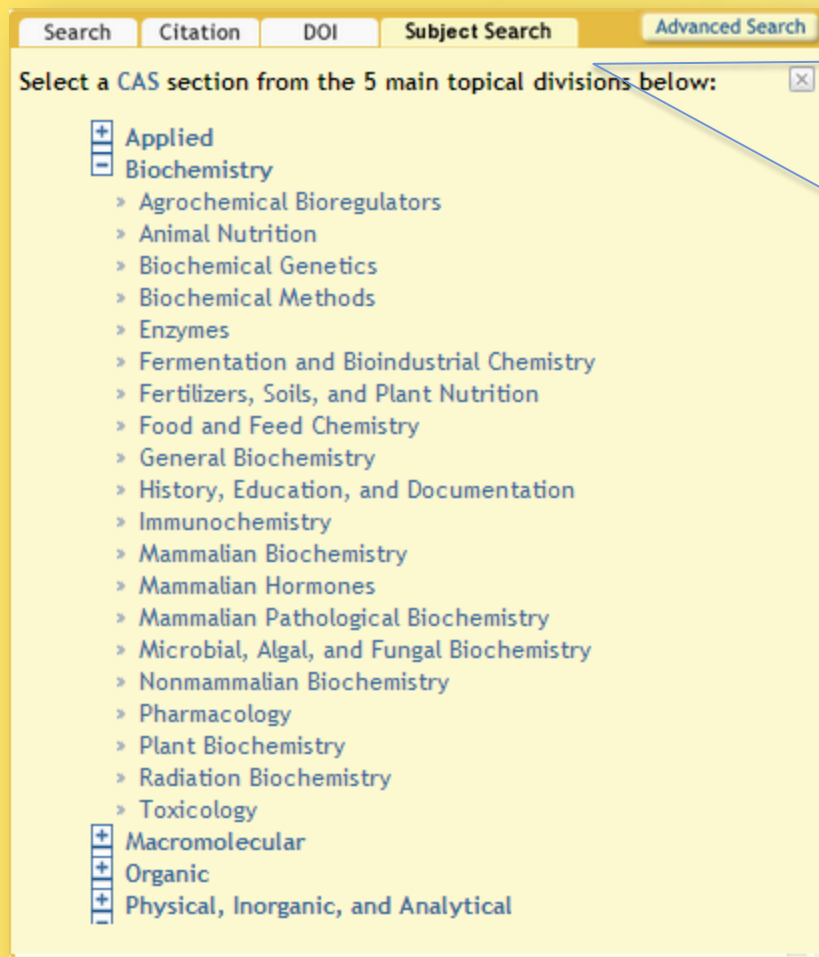
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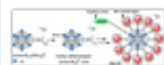
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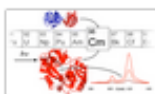
Lalit N. Goswami, Lixin Ma, Quanyu Cai, Saurav J. Sarma, Satish S. Jalisatgi, and M. Frederick Hawthorne

Inorg. Chem.

Publication Date (Web): February 7, 2013

DOI: 10.1021/ic302340c

A vertex-differentiated icosahedral $closo-B_{12}^{2-}$ core was utilized to construct a $\alpha_v\beta_3$ integrin receptor-targeted (via cRGD peptide) high payload MRI contrast agent (CA-12) carrying 11 copies of Gd^{3+} -DOTA chelates attached to the $closo-B_{12}^{2-}$ surface via ...



Research Article

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Manuel Sturzbecher-Hoehne, Christophe Goujon, Gauthier J.-P. Deblonde, Anne B. Mason, and Rebecca J. Abergel

J. Am. Chem. Soc.

Publication Date (Web): January 30, 2013

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Worldwide stocks of actinides and lanthanide fission products produced through conventional nuclear spent fuel are increasing continuously, resulting in a growing risk of environmental and human exposure to these toxic radioactive metal ions. ...

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2013, 7 (10), pp 8313-8316

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☒ **Energy & Fuels in 2013**
Michael T. Klein
pp 1-1
Publication Date (Web): January 17, 2013 (Editorial)

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Effect of Upgraded Lignite Product Water Content on the Propensity for Spontaneous Ignition

Kai Zhang and Changfu You

pp 20-26

Publication Date (Web): December 11, 2012 (Article)

DOI: 10.1021/ef301771r

CCS Section: Fossil Fuels, Derivatives, and Related Products

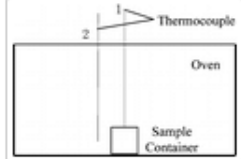
The spontaneous ignition that occurs with upgraded lignite products is a concern for its storage, handling, and transportation. The Basket testing method and Oxidation Kinetics testing method were used to identify the propensity for upgraded lignite products to spontaneously ignite. The evaluation index for the Basket testing method was spontaneous ignition temperatures and duration. The fundamental evaluation index (I) for the Oxidation Kinetics testing method was used to evaluate the propensity for spontaneous ignition. For both testing methods, all three of the lignite samples (Huolinhe lignite, Hailaer lignite, and Indonesia lignite) showed that the propensity for spontaneous ignition decreased linearly with the increase in water content of the upgraded lignite product. Commonly used Chinese bituminous coals, which are not prone to spontaneous ignition, were used as a benchmark for determining the recommended water content for upgraded lignite products. For Huolinhe lignite, Hailaer lignite, and Indonesia lignite, the recommended water contents of the upgraded products are 6.53%, 4.28%, and 7.83%, respectively. The method that was developed to determine the recommended water content could be used to guide engineering design and operations when using upgraded lignite that is highly susceptible to spontaneous ignition.

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Cooperative Binding of PhoB^{DBD} to Its Cognate DNA Sequence—A Combined Application of Single-Molecule and Ensemble Methods

Markus Ritzefeld †, Volker Walhorn ‡, Christin Kleiberg ‡, Adeline Bieker ‡, Klaus Kock §, Christian Herrmann §, Dario Anselmetti ‡, and Norbert Sewald *†

†Organic and Bioorganic Chemistry and ‡Experimental Biophysics, Bielefeld University, Universitaetsstrasse 25, 33615 Bielefeld, Germany
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Biochemistry, 2013, 52 (46), pp 8177-8186
DOI: 10.1021/bi400718r
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Author Contributions

The manuscript was written through contribution of all authors to the final version of the manuscript.

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Conflict of Interest Statement

The authors declare no competing financial interest.

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Cooperative Binding of PhoB^{DBD} to Its Cognate DNA Sequence—A Combined Application of Single-Molecule and Ensemble Methods

Markus Ritzefeld †, Volker Walhorn ‡, Christin Kleineberg ‡, Adeline Bieker ‡, Klaus Kock §, Christian Herrmann §, Dario Anselmetti ‡, and Norbert Sewald *†

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Author Contributions

The manuscript was written through contributions of all authors. All authors have given approval to the final version of the manuscript.

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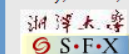
Murray, Christopher W.; Rees, David C.

Nature Chemistry (2009), 1 (3), 187-192 CODEN: NCAHBB; ISSN:1755-4330. (Nature Publishing Group)

A review. The search for new drugs is plagued by high attrition rates at all stages in research and development. Chemists have an opportunity to tackle this problem because attrition can be traced back, in part, to the quality of the chem. leads. Fragment-based drug discovery (FBDD) is a new approach increasingly used in the pharmaceutical industry, for reducing attrition and providing leads for previously intractable biol. targets. FBDD involves low-mol.-wt. ligands (~150 Da) that bind to biol. important macromols. The three-dimensional exptl. binding mode of these fragments is detd. by X-ray crystallog. or NMR spectroscopy, and is used to facilitate their optimization into potent mols. with drug-like properties. Compared with high-throughput screening, the fragment approach requires fewer compds. to be screened, and, despite the lower initial potency of the screening hits, offers more fruitful optimization campaigns. Here, we review the rise of FBDD, including its application to discovering clin. candidates against target proteins. Other chem. approaches have struggled.

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1. Lotka, A. Undamped Oscillations Derived from the Law of Mass Action. *Journal of Mathematical Biology* 1920, 42, 1595- 1599. [\[ACS Full Text\]](#), [\[CAS\]](#)
2. Volterra, V. Fluctuations in the Abundance of a Species Considered Mathematically. *Nature* 1926, 118, 558- 560. [\[CrossRef\]](#)
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Dong Zhang, Yinguang Chen, Yuxiao Zhao and Xiaoyu Zhu

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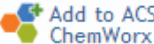
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