

Nanospace Materials

Porous Organic Cages



Highlight Review

doi:10.1246/cl.150021

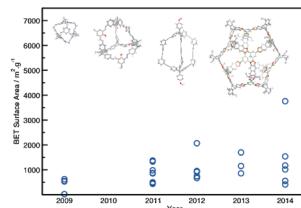


Synthesis and Applications of Porous Organic Cages

C. J. Doonan

Jack D. Evans, Christopher J. Sumby, and Christian J. Doonan*

Chem. Lett. 2015, 44, 582-588



Mesoporous Silica; Co-structure-directing Route



Fabrication of Mesostructured Silica Materials through Co-Structure-Directing Route

S. Che

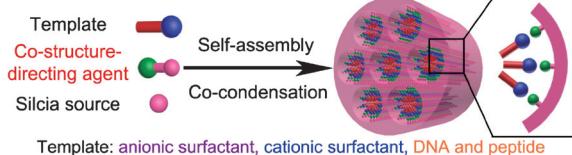
Zhehao Huang and Shunai Che*

Bull. Chem. Soc. Jpn. 2015, 88, 617-632



Accounts for Nanospace Materials

doi:10.1246/bcsj.20140416



Mesoporous Silica; Pressure-feedback Method

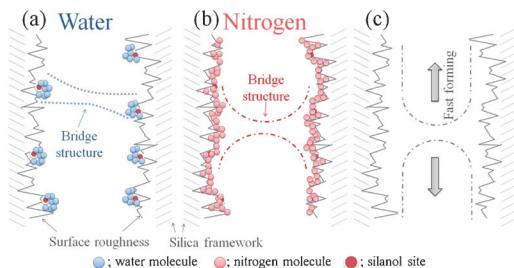


Kinetic Analysis of the Adsorption of Polar and Nonpolar Molecules onto Ordered Mesoporous Silica Using the Pressure-feedback Method

H. Ito

Hiromitsu Ito, Keisuke Asakura, Tomohiro Ogino, Taku Iiyama,* Sumio Ozeki, and Kazuyuki Nakai

Chem. Lett. 2015, 44, 524-526



C/N-based Porous Solids; Covalent Triazine Frameworks



Carbon- and Nitrogen-Based Porous Solids: A Recently Emerging Class of Materials

K. Sakaushi

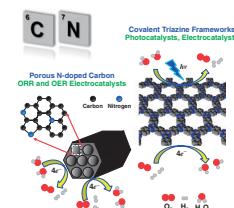
Ken Sakaushi* and Markus Antonietti

Bull. Chem. Soc. Jpn. 2015, 88, 386-398



Accounts for Nanospace Materials

doi:10.1246/bcsj.20140317



Porous Coordination Networks; Crystalline Sponge Method



Visualization of Solution Chemistry by X-ray Crystallography Using Porous Coordination Networks

Y. Inokuma

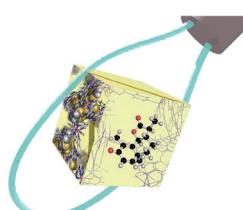
Yasuhide Inokuma* and Makoto Fujita*

Bull. Chem. Soc. Jpn. 2014, 87, 1161-1176



Award Accounts

doi:10.1246/bcsj.20140217

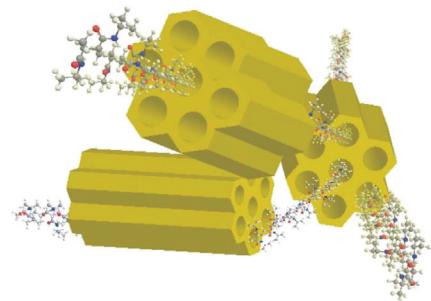




Investigation of New Cooling Systems Based on Complexes of Temperature-Responsive Poly(*N*-isopropylacrylamide) with Porous Materials

H. Honda

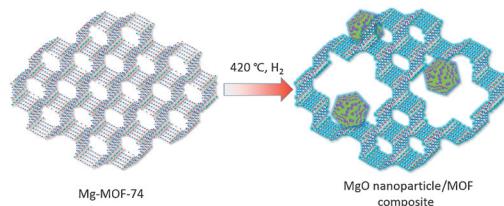
Atsushi Suzue, Hisashi Honda,*
Meiko Kadokura, Susumu Tanaka, and
Hideyuki Tukada
Bull. Chem. Soc. Jpn. **2014**, *87*, 1186-1194



Facile Synthesis of Small MgO Nanoparticle/Metal–Organic Framework Hybrid Material

H. Kitagawa

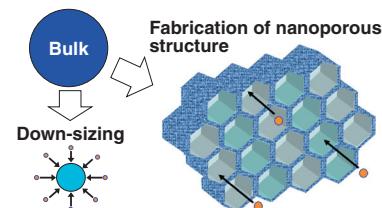
Bo Huang, Hirokazu Kobayashi, and
Hirosi Kitagawa*
Chem. Lett. **2014**, *43*, 1459-1460



Nanostructure-controlled Materials for Electrochemical Charging–Discharging

I. Moriguchi

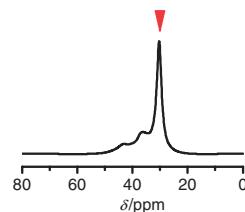
Isamu Moriguchi
Chem. Lett. **2014**, *43*, 740-745



Adsorption of Trimethylphosphine Oxide on Silicalite Studied by Solid-State NMR

S. Hayashi

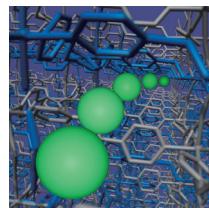
Shigenobu Hayashi,* Keiko Jimura, and
Natsuko Kojima
Bull. Chem. Soc. Jpn. **2014**, *87*, 69-75



Design and Synthesis of Porous Coordination Polymers Showing Unique Guest Adsorption Behaviors

R. Matsuda

Ryotaro Matsuda
Bull. Chem. Soc. Jpn. **2013**, *86*, 1117-1131





Formation of Nanoporous Anodic Gold Oxide Films in Carboxylic Acids and Spontaneous Reduction to Nanoporous Gold

K. Nishio

Kazuyuki Nishio* and Hideki Masuda
Bull. Chem. Soc. Jpn. **2013**, *86*, 1144-1150



Fresh film

After a week

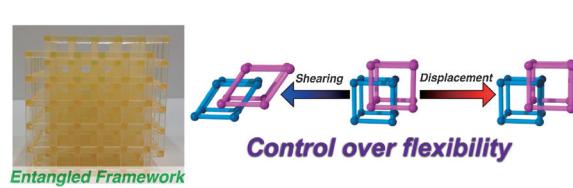
After a month



Control over Flexibility of Entangled Porous Coordination Frameworks by Molecular and Mesoscopic Chemistries

S. Kitagawa

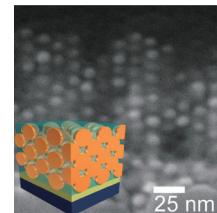
Shuhei Furukawa,* Yoko Sakata, and Susumu Kitagawa*
Chem. Lett. **2013**, *42*, 570-576



Formation of Au Nanostructure by Electrodeposition in a Mesoporous Silica Film with Interconnected Cage-Type Mesopores

K. Kuroda

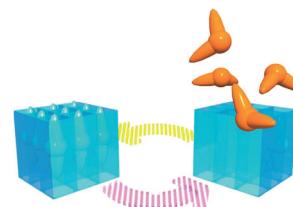
Yosuke Kanno and Kazuyuki Kuroda*
Bull. Chem. Soc. Jpn. **2013**, *86*, 583-585



Controlled Encapsulation of Photoresponsive Macromolecules in Porous Coordination Polymer

T. Uemura

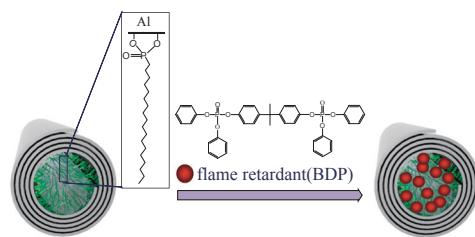
Takashi Uemura,* Gosuke Washino, Nobuhiro Yanai, and Susumu Kitagawa*
Chem. Lett. **2013**, *42*, 222-223



Internally Modified Halloysite Nanotubes as Inorganic Nanocontainers for a Flame Retardant

A. Takahara

Hui Jing, Yuji Higaki, Wei Ma, Hui Wu, Weng On Yah, Hideyuki Otsuka, Yuri M. Lvov, and Atsushi Takahara*
Chem. Lett. **2013**, *42*, 121-123





K. Kuroda

Electrochemical Preparation of Controllably Large-sized Mesoporous Platinum Films by Using Diblock Copolymers and an Organic Expander

Kaori Sekine, Yoji Doi, Azusa Takai,
Yusuke Yamauchi,* and Kazuyuki Kuroda*

Chem. Lett. 2013, 42, 52-54

