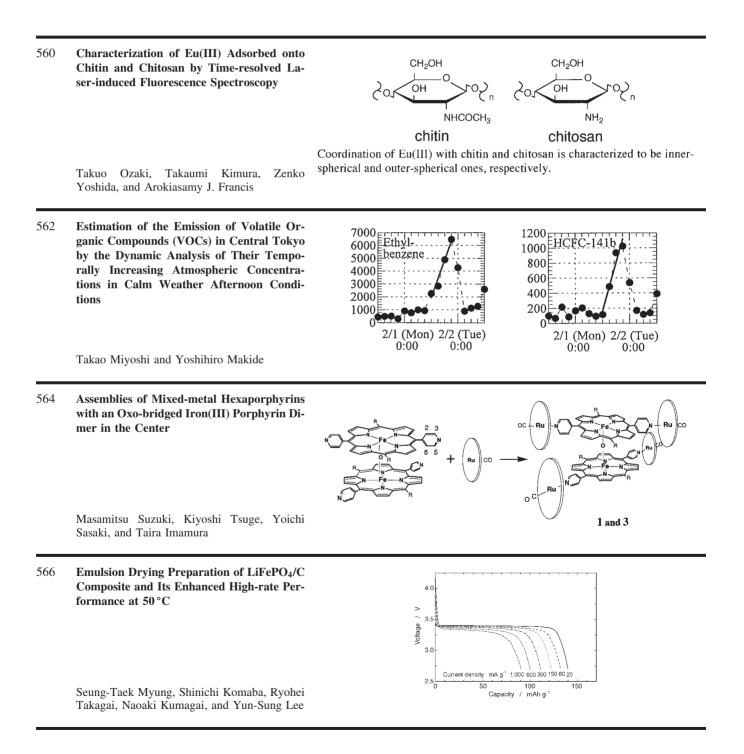
Chemistry Letters

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Vol.32 No.7 July, 2003

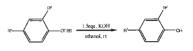
CMLTAG ISSN 0366-7022

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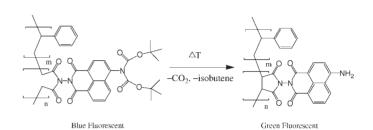
568 A Mild, Efficient and Selective Cleavage of Aryl *tert*-Butyldimethysilyl Ethers Using KOH in Ethanol

An efficient and selective method for the deprotection of aryl *t*-butyldimethysilyl (TBS) ethers is described. The protecting group TBS could be cleaved from aryl silyl ethers in the presence of alkyl TBS ethers using KOH in ethanol at room temperature to give the corresponding phenols in excellent yields (87-99%).



Zhi-Yong Jiang and Yan-Guang Wang

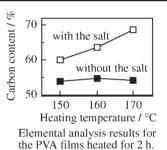
570 Novel Thermochromic Copolymers with Two Luminescent Colors



Chen Li, Pa Du, He Tian, and Peter Erk

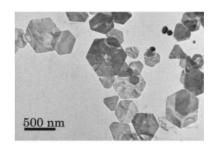
572 Promotion of Thermal Dehydration of Poly(vinyl alcohol) Film by Diphenyliodonium Salt

Thermal dehydration of a poly(vinyl alcohol) film was extremely promoted in the presence of a diphenyliodonium salt, which is known as a thermally stable photo acid generator.



Yukio Yamamoto and Seiichi Tagawa

574 Preparation of Gold Nanoplates Protected by an Anionic Phospholipid

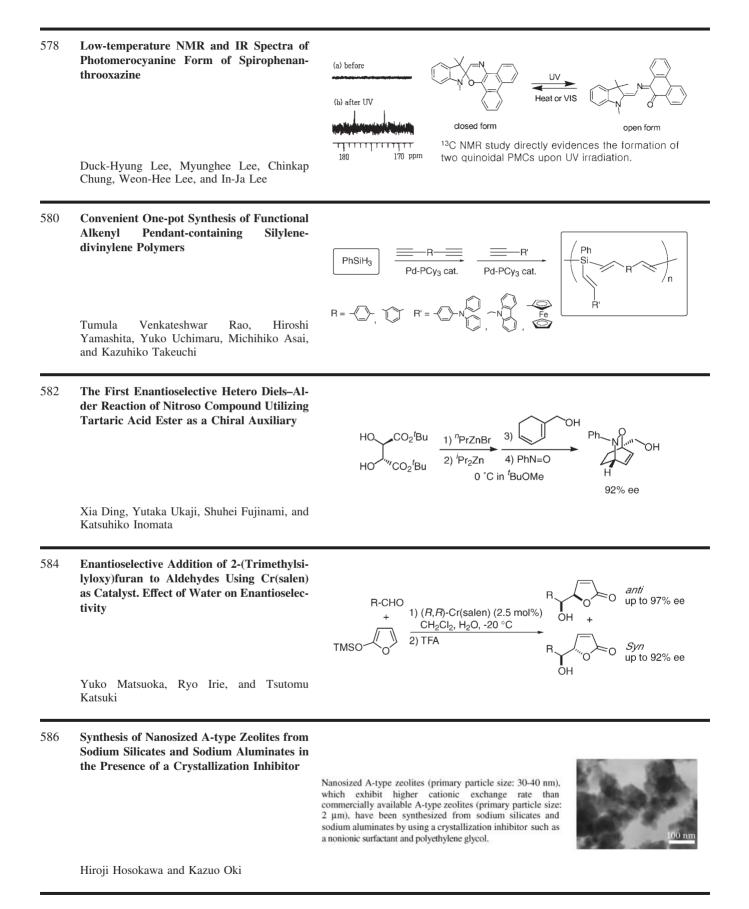


Daisuke Ibano, Yasuhiro Yokota, and Toshihiro Tominaga

576 Highly Stretchable and Powerful Polypyrrole Linear Actuators



Susumu Hara, Tetsuji Zama, Shingo Sewa, Wataru Takashima, and Keiichi Kaneto



588 Crystal Engineering of 3D Porous Coordination Polymers through Hydrogen Bonding to Coordination from 1D Helical Chains

The combinations of salicylic acid with 4-aminopyridine and 4,4'-bipyridine result in two 3D architectural compounds through hydrogen bonding to coordination, respectively.

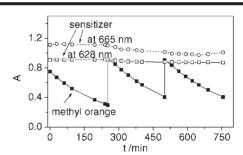
A new three-dimensional porous coordination polymer, $Cu_2(OH)(BTC)(H_2O)]_{a}$, $2nH_2O$ which contains 5 × 7 Å dimension lozenge shaped 1D open channels along the crystallographic *a* axis.

Long-Guan Zhu, Susumu Kitagawa, and Kenji Seki

590 Synthesis and Structure of a New 3D Porous Cu(II)-Benzene-1,3,5-tricarboxylate Coordination Polymer, [Cu₂(OH)(BTC)(H₂O)]_n. 2nH₂O

Jinxi Chen, Ting Yu, Zhenxia Chen, Huiping Xiao, Guoqiang Zhou, Linhong Weng, Bo Tu, and Dongyuan Zhao

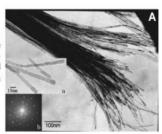
592 Photo-oxidation of Chlorophenols and Methyl Orange with Visible Light in the Presence of Copper Phthalocyaninesulfonate



Yiming Xu and Zuxu Chen

594 An Easy Method to Prepare Nanowire

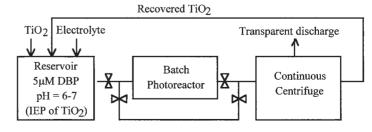
SrCO₃ and BaCO₃ single crystal nanowires with aspect ratio of about 1000 were prepared by a simple reaction without template. Preferentially assemblingrecrystallization of colloidal particles was supposed as the formation mechanism. Performances of SrCO₃ nanowires as oxidation catalyst of VOC and chemiluminescence sensor were also studied.

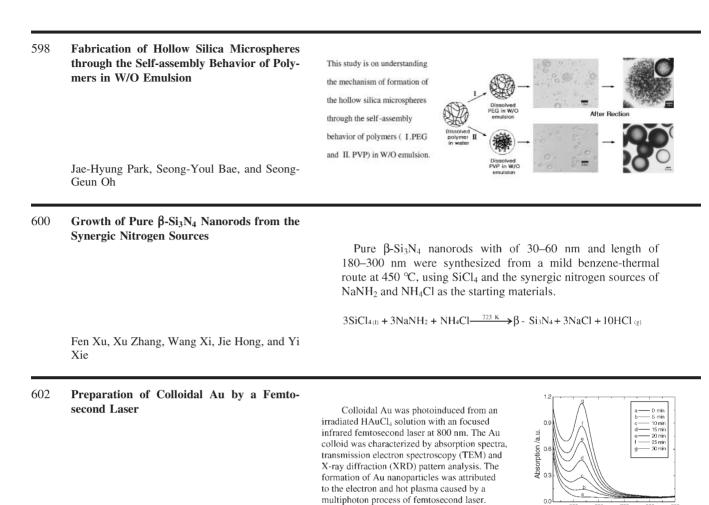


Li Wang and Yongfa Zhu

596 Electrolyte-promoted Easy Separation of Suspended TiO₂ Particles with a Solids Retaining Type Centrifuge in Combination with Photoreactor to Degrade Dibutyl Phthalate Re

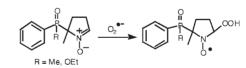
Kiyoshi Hasegawa, Tomonori Ito, Wakako Nakamura, Machi Nagai, and Shigehiro Kagaya





Chongjun Zhao, Shiliang Qu, Jianrong Qiu, Congshan Zhu, and Kazuyuki Hirao

604 Synthesis of 5-(Alkylphenylphosphoryl)-5methyl-3,4-dihydro-2*H*-pyrroline **N-Oxide** as a New Spin Trapping Reagent



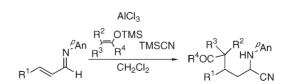
500 600 700 800 ann

Wavelength /nm

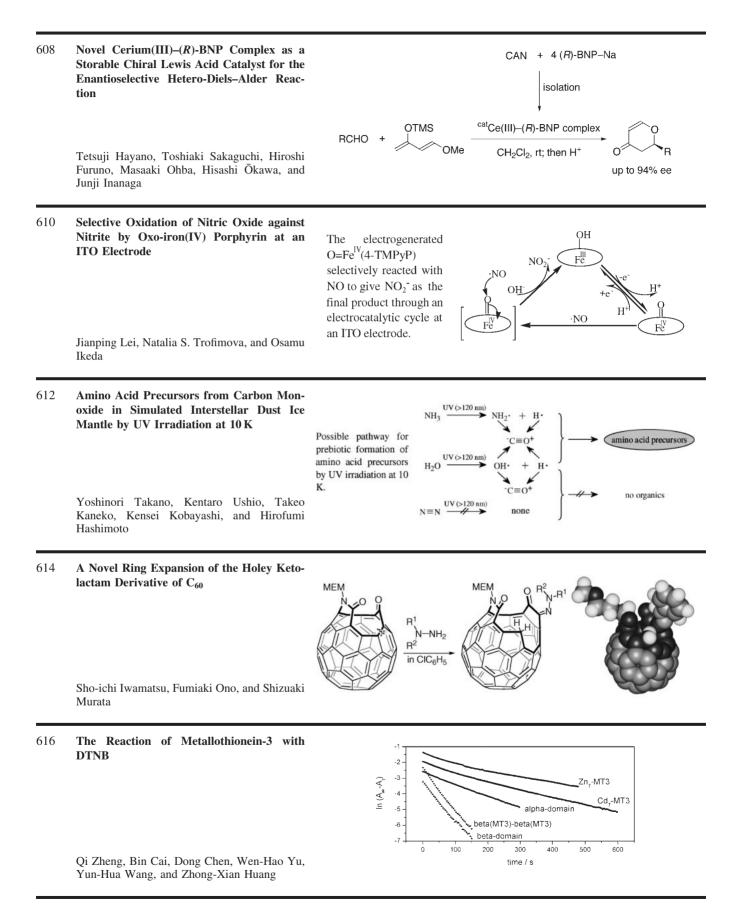
Novel DMPO analogues attached to a phenyl group at the phosphorus atom were synthesized and examined for their ability in the spin trapping of oxygen-centered radicals.

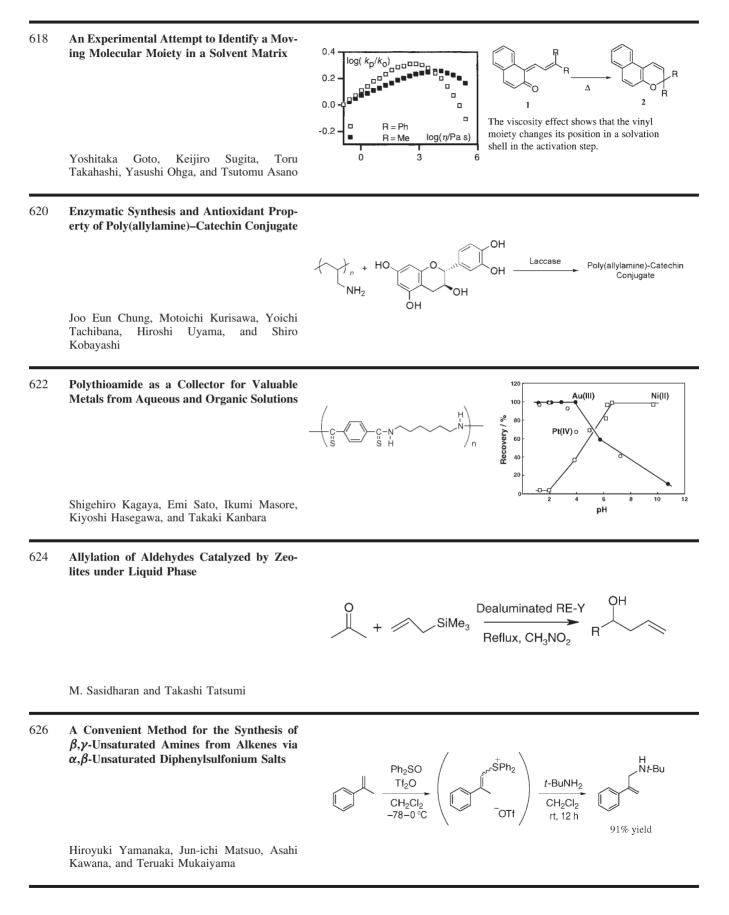
Kosei Shioji, Shigeyuki Tsukimoto, Hidehiko Tanaka, and Kentaro Okuma

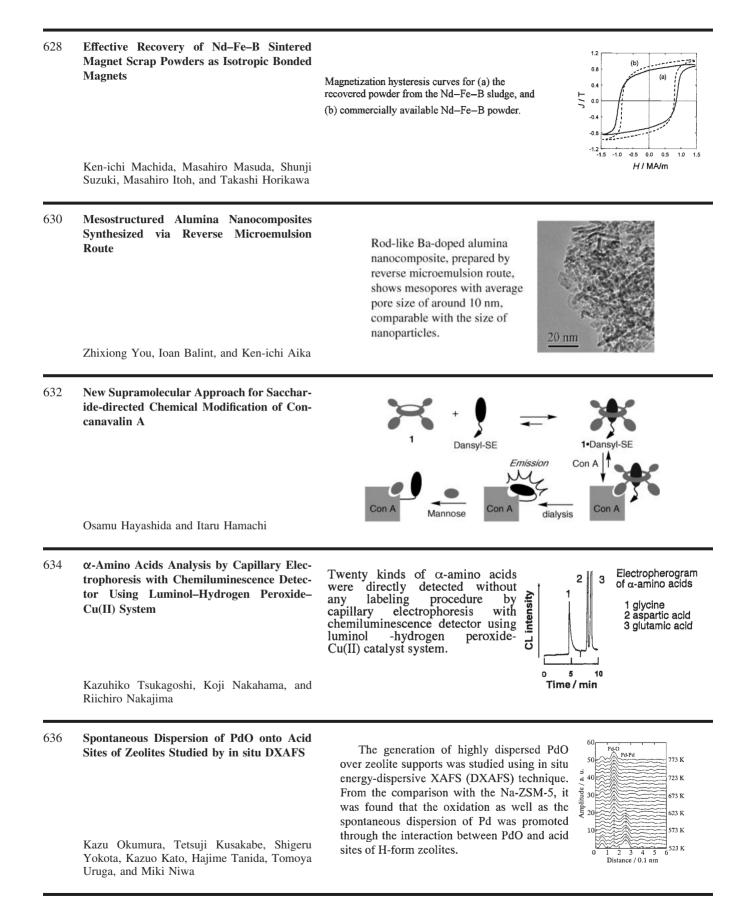
606 **Double Nucleophilic Addition of Ketene Silyl** (Thio)acetals and Trimethylsilyl Cyanide to α,β -Unsaturated Aldimines Promoted by **Aluminum Chloride**



Makoto Shimizu, Makiko Kamiya, and Iwao Hachiya

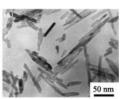






638 A Simple Route for the Synthesis of Rutile TiO₂ Nanorods

The monodispersed rutile TiO_2 nanorods in diameter 4–6 nm and in length up to 50–150 nm were prepared by the hydrolysis of $TiCl_4$ solution in the concentrated HNO₃ under ambient condition in air and required no complex apparatus.



Qing Huang and Lian Gao

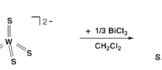
640 A Potent Solvent for Dissolution of Metallic Copper

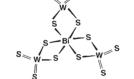
NH₄OH – CCl₄ solvent system showed an excellent dissolution efficiency toward metallic copper.

$$Cu^{0} \xrightarrow{CCl_{4} / NH_{4}OH} [Cu(NH_{3})_{n}]Cl_{2}$$

Naohisa Yanagihara, Masahiro Nakayama, and Hideo Tai

642 Synthesis and Structure of a Novel Tetranuclear Tungsten–Bismuth–Sulfur Complex

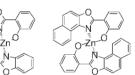




Hong-Xi Li, Qing-Feng Xu, Qi Shen, and Jian-Ping Lang

644 Electron and Hole Mobility in Vacuum Deposited Organic Thin Films of Bis[2-(2-hydroxyphenyl)benzoxazolate]zinc and Its Derivatives

Electron and hole mobility in vacuum deposited organic thin films of bis[2-(2-hydroxyphenyl)benzoxazolate] zinc and its derivatives have been investigated by the time-of-flight technique.

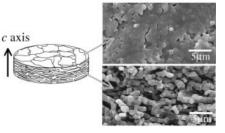


3-

Takeshi Yasuda, Yoshihisa Yamaguchi, Katsuhiko Fujita, and Tetsuo Tsutsui

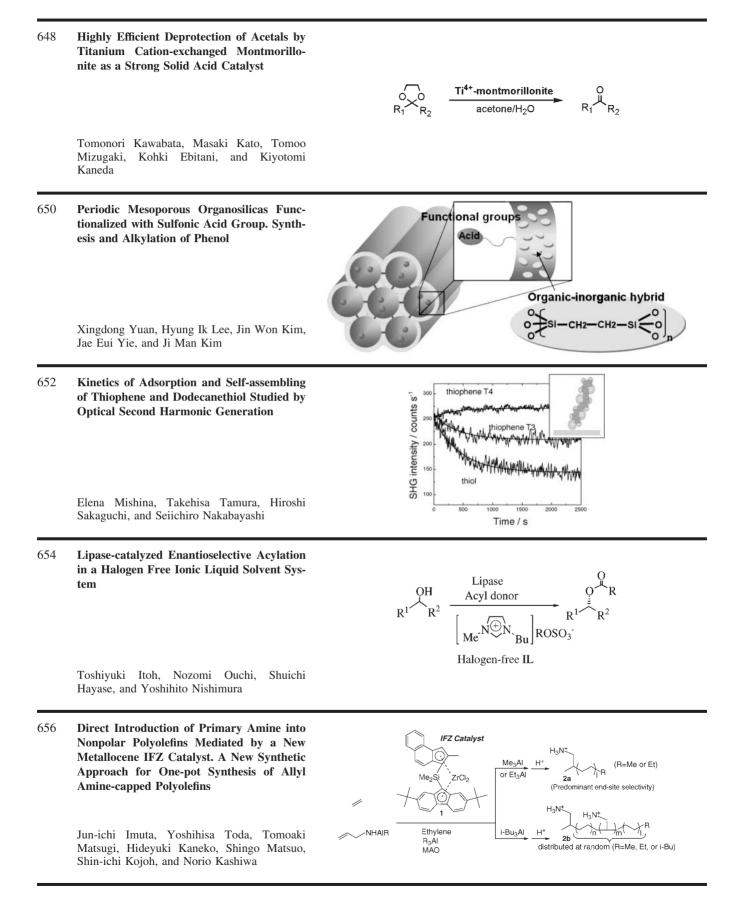
646 Fabrication of Hydroxyapatite Sintered Bodies with c Axis Orientation

Hydroxyapatite (HAp) sintered bodies with c axis orientation were fabricated using c axis oriented platelike HAp aggregates. The caxis orientation of HAp crystals was maintained even after sintering.



Tanaka

Kazushi Ohta, Masanori Kikuchi, and Junzo



- C-83
- 658 Effective Recovery of Nd-Fe-B Sintered Magnet Scrap Powders as Microwave Ab-뜅 sorbing Materials Reflection loss profiles for loss / the resin-bonded sheet -14 using the recovered Reflection -20 mn Nd-Fe-B sludge powder. mm mm -25 5 mm 6 mm Frequency / GHz Ken-ichi Machida, Masahiro Masuda, Masahiro Itoh, and Takashi Horikawa 660 The Upper Temperature Limit in Cooperative Assembly of Ordered Mesoporous Ma-Several examples for high temperature (95°C, higher terials than the cloud point of the pure surfactant) synthesis of highly ordered hexagonal mesoprous silical structures by employing triblock copolymers such as P65 $(EO_{20}PO_{30}EO_{20})$ as structure-directing agents have been presented. Such understanding may increase the range of surfactants and the temperature regime under which ordered mesoporous materials can be cooperatively assembled. Minjia Yuan, Jiawei Tang, Chengzhong Yu, Yinghua Chen, Bo Tu, and Dongyuan Zhao 662 A Simple Route for Formation of Continuous Ni Nanoshells on Polymer Microspheres NiCl2 in ethylene glycol Hydrazine, 60°C, 30 min Polymer Ni-coated polymer microspheres microspheres Dong-Hwang Chen, Jia-Peng Lin, Szu-Han Wu, and Chun-Ting Wang 664 Synthesis, Characterization, and Oxidation The first example of a Catalysis of a Novel Dawson Polyoxometapolyoxotungstate-based late-supported Platinum(II) Complex, $[{Pt(cod)}(P_2W_{15}V_3O_{62})]^{7-}$ (cod = 1,5-cyorganometallic platinum(II) complex, [{Pt(cod)}(P2W15V3O62)]7-, which clooctadiene) shows effective catalytic activity for oxidation of cyclohexanol with 30% aqueous hydrogen peroxide, is Kenji Nomiya, Hideki Torii, Chika Nozaki reported. Kato, and Yuh Sado