Chemistry Letters

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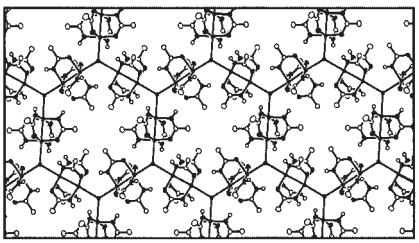
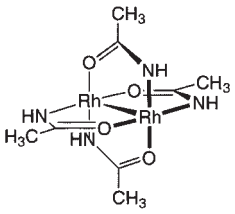
120 **A Honeycomb Network of a Paddlewheel-type Dirhodium Complex in Two Oxidation States and Pinning of the Oxidation States**

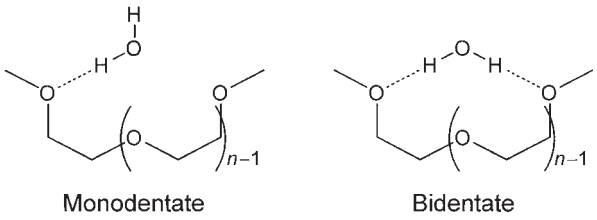
Yasuaki Takazaki, Zhiyong Yang, Masahiro Ebihara, Katsuya Inoue, and Takashi Kawamura





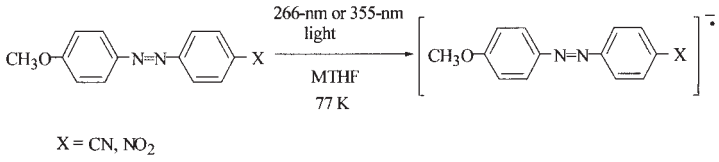
122 **Hydration of Short-chain Poly(oxyethylene)s in Carbon Tetrachloride Studied by Infrared Spectroscopy**

Hiroatsu Matsuura, Md. Ruhul Matin, and Koji Okura



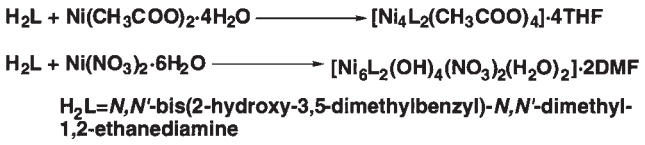
124 **Observation of the Radical Anion Intermediates in the Photolyses of 4-Cyano- and 4-Nitro-azobenzene in MTHF at 77 K**

Changli Zhao, Hiroaki Horiuchi, Toshihiko Hoshi, Miki Hasegawa, Michio Kobayashi, and Hiroshi Hiratsuka



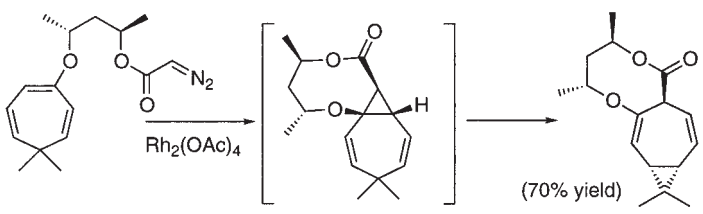
126 **Oligonuclear Metal-Assembly of Antiferromagnetic Ni_4 and Ferromagnetic Ni_6 Clusters with Non-Schiff-Base Tetradentate Ligand**

Masahiro Mikuriya, Kumiko Tanaka, Nozomi Inoue, Daisuke Yoshioka, and Jong-Wan Lim



128 **Asymmetric Synthesis of *gem*-Dimethylcyclopropane-fused Compounds through Chemo-, Regio-, and Stereoselective Cyclopropanation and Stereospecific Rearrangement**

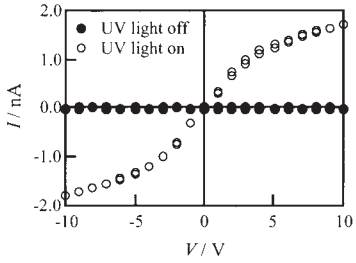
Takashi Sugimura, Takahiro Tei, and Tadashi Okuyama



130 **Fabrication of Thin Films Using a Soluble Metal Phthalocyanine Salt and Their Photoconductive Properties**

Masaki Matsuda, Shingo Ikeda, Noriaki Hanasaki, Masahiro Yoshita, and Hiroyuki Tajima

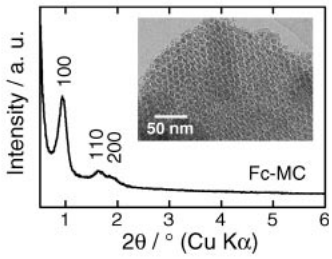
We fabricated organic thin films from a solution containing $[(n\text{-}C_7H_{15})_4N]_2[Fe^{II}(Pc)(CN)_2]$ (Pc = phthalocyanine). The fabricated films exhibit the photoswitching phenomenon for the ultraviolet (UV) irradiation.



132 **Synthesis of Mesoporous Carbon-Containing Ferrocene Derivative and Its Electrochemical Property**

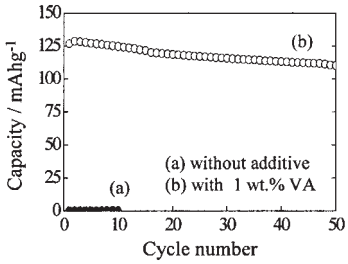
Hiroyasu Furukawa, Mitsuhiro Hibino, Hao-Shen Zhou, and Itaru Honma

Ordered mesoporous carbon-containing ferrocene derivative (Fc-MC) with a hexagonal framework structure has been prepared using a SBA-15 silica template.



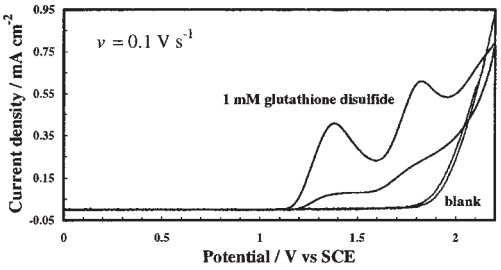
134 **The Effect of Nano-sized SEI Film Formed by Vinyl Acetate Additive for Li-ion Batteries**

H. Yoshitake, K. Abe, T. Kitakura, J. B. Gong, Y. S. Lee, H. Nakamura, and M. Yoshio



136 **Amperometric Detection of Oxidized and Reduced Glutathione at Anodically Pretreated Diamond Electrodes**

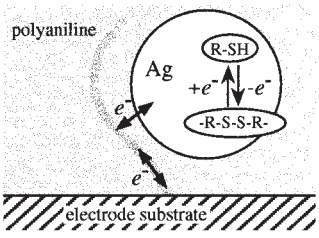
Chiaki Terashima, Tata N. Rao, Bulusu V. Sarada, and Akira Fujishima



138 **Electrocatalytic Activation of Organosulfur Redox Reactions by Metal Nanoparticles**

Jong-Eun Park, Osamu Hatozaki, and Noboru Oyama

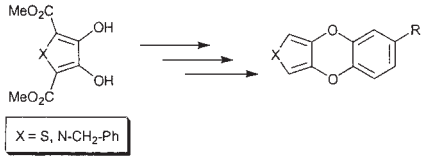
Metal nanoparticles electrocatalytically activated organosulfur redox reactions in a conducting polymer (polyaniline) matrix.



140 **Route Towards New Heteroaromatic Benzo[1,4]dioxine Derivatives**

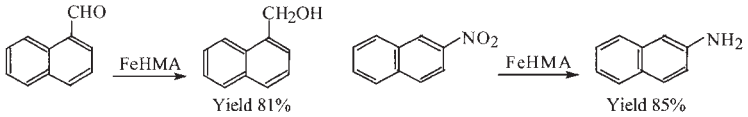
Joachim Storsberg, Dieter Schollmeyer, and Helmut Ritter

New Heteroaromatic Benzo[1,4]dioxine Derivatives Synthesized via Nucleophilic Displacement Reaction



142 **Catalytic Transfer Hydrogenation of Nitro and Carbonyl Compounds over Novel Fe(III) Substituted Hexagonal Mesoporous Aluminophosphates**

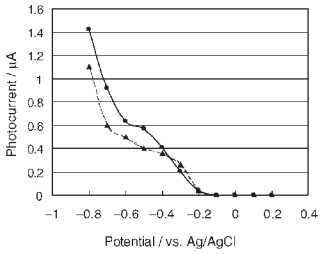
Sachin U. Sonavane, Susanta K. Mohapatra, Radha V. Jayaram, and Parasuraman Selvam



Catalytic transfer hydrogenation over novel trivalent iron substituted hexagonal mesoporous aluminophosphate catalyst showed excellent activity for the reduction of nitro and carbonyl functions including bulkier molecules.

144 **Generation of Photoinduced Steady Current by Purple Membrane Langmuir-Blodgett Films at Electrode-Electrolyte Interface**

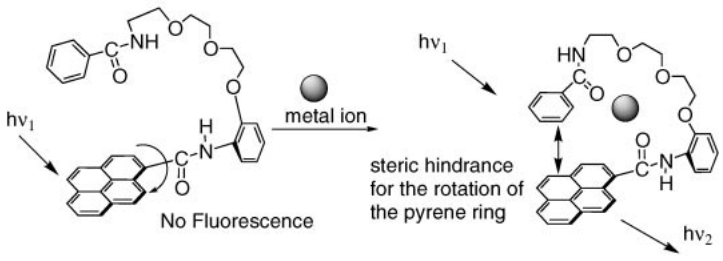
Tsutomu Miyasaka, Tatsuya Atake, and Tadashi Watanabe



Langmuir-Blodgett films of purple membrane (PM) was prepared by application of DC electric field for orientation at the air-water interface and photocurrent was measured on gold electrode in aqueous KCl electrolyte. Dependences of steady photocurrent on electrode potential for PM films of DC-field applied preparation (solid line) and no field application (dashed line).

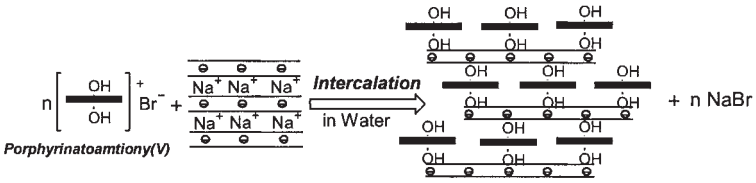
146 **Intramolecular Charge-Transfer Behavior of 1-Pyrenyl Aromatic Amides and Its Control through the Complexation with Metal Ions**

Tatsuya Morozumi, Hisafumi Hiraga, and Hiroshi Nakamura



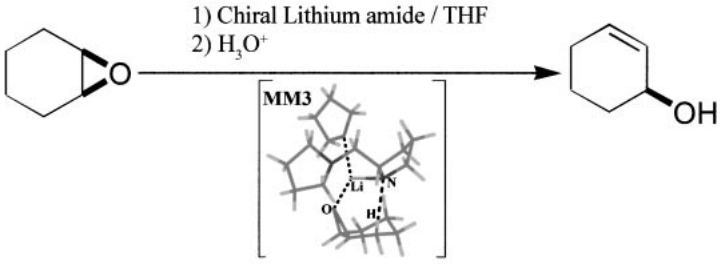
148 **Roles of Axial Ligands on Intercalation of Cationic Metalloporphyrin into Smectite Clay Layers**

Tsutomu Shiragami, Keiko Nabeshima, Masahide Yasuda, and Haruo Inoue



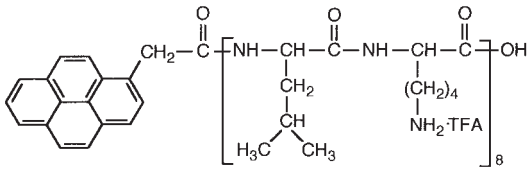
150 **Theoretical Evaluation of the Reaction Intermediate Complex for an Asymmetric Reaction Using a Chiral Lithium Amide by the Molecular Mechanics (MM3) Calculations**

Takashi Yoshida, Kazuhisa Sakakibara, and Masatoshi Asami



152 **Formation of Nanofibrillar Aggregates by Water-Soluble β-Structural Oligopeptide, (L-Leu-L-Lys)$_8$**

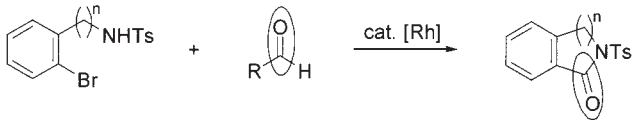
Toshihiko Sakurai, Masaki Koga, Makoto Takafuji, and Hirotaka Ihara



The alternaiting oligopeptide Pyr-(LK)$_8$ formed water-soluble nanofibrillar aggregates through β-structure formation and subsequent intermolecular interaction.

154 **Rhodium-Catalyzed Intramolecular Aminocarbonylation of Aryl Halides Using Aldehydes as a Source of Carbon Monoxide**

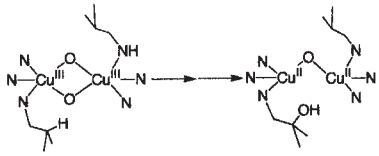
Tsumoru Morimoto, Masahiko Fujioka, Koji Fuji, Ken Tsutsumi, and Kiyomi Kakiuchi



156 **C–H Activation by Cu(III)$_2$O$_2$ Intermediate with Secondary Amino Ligand**

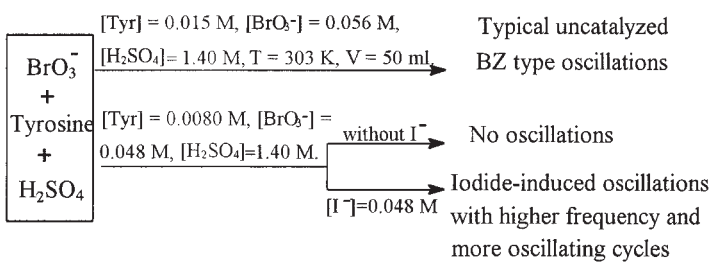
Hidekazu Arii, Yamato Saito, Shigenori Nagatomo, Teizo Kitagawa, Yasuhiro Funahashi, Koichiro Jitsukawa, and Hideki Masuda

The bis(μ-oxo)dicopper(III) species prepared from reaction of Cu(I) complex having *i*-Bu$_3$CY with dioxygen has exhibited a unique intramolecular hydroxylation of β-methine carbon of isobutyl group.

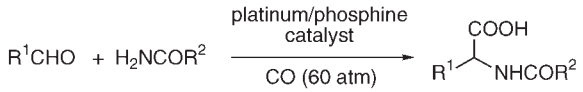


158 **Iodide-induced Oscillations in BrO_3^-–Tyrosine–H_2SO_4 System**

Hexing Li, Jian Zhu, Yeping Dai, and Qin Wang



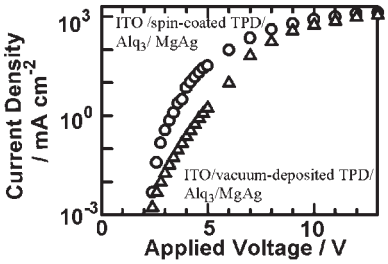
160 **Platinum-catalyzed Amidocarbonylation**



Takahiro Sagae, Masaharu Sugiura, Hiroyuki Hagio, and Shū Kobayashi

162 **Pronounced Effect of the Methods of Preparation of Organic Thin Films on Hole Injection from the Indium-tin-oxide Electrode–Vacuum Deposition vs Spin Coating**

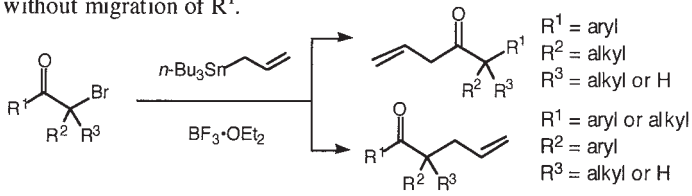
Significantly enhanced hole injection from the ITO electrode into the TPD layer in organic EL devices took place for its spin-coated film relative to its vacuum-deposited film.



Mari Ishihara, Kenji Okumoto, and Yasuhiko Shirota

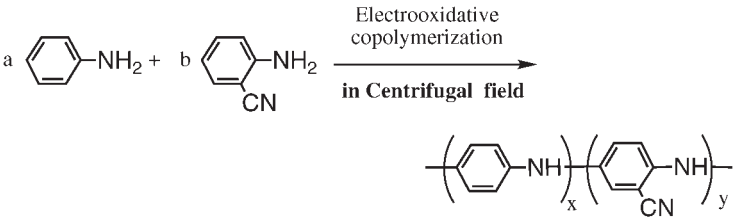
164 **Boron Trifluoride Mediated Allylation of Aromatic α-Bromoketones by Allyltributyltin**

When R^2 is not an aryl group, the allylation proceeds with migration of the aryl group R^1. When R^2 is an aryl group, the allylation proceeds without migration of R^1.



Hideyoshi Miyake, Ryo Hirai, Yoshie Nakajima, and Mitsuru Sasaki

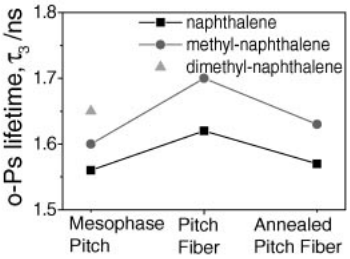
166 **Electrooxidative Copolymerization of Aniline with *o*-Aminobenzonitrile in Centrifugal Fields**



Mahito Atobe, Michiko Sekido, Toshio Fuchigami, and Tsutomu Nonaka

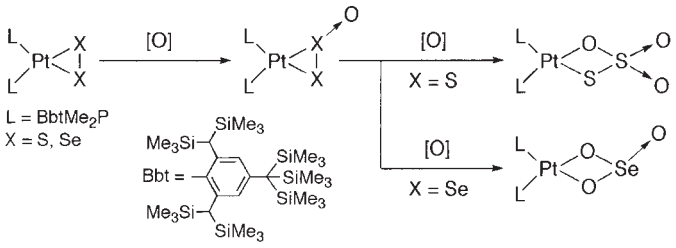
168 **Microvoids Present in Anisotropic Mesophase Pitch, Their As-spun and Annealed Fibers**

The size of free volume and content of amorphous region in the mesophase pitches increased by the spinning, being reduced by annealing to those of their starting pitches.



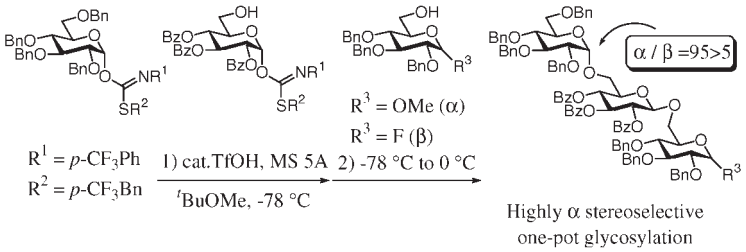
Hojung Yang, Seong-Ho Yoon, Yozo Korai, Isao Mochida, and Osamu Katou

170 **Unusual Oxidation of Dichalcogenido Complexes of Platinum**



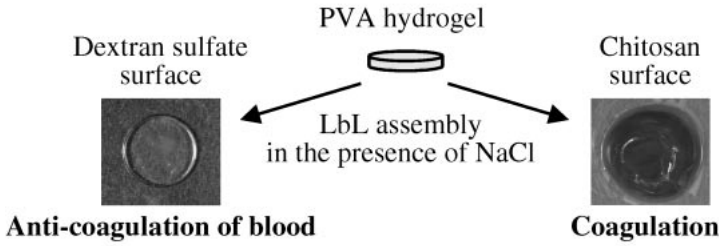
Kazuto Nagata, Nobuhiro Takeda, and Norihiro Tokitoh

172 **Highly α-Stereoselective One-pot Sequential Glycosylation Using Glucosyl Thioformimidate Derivatives**



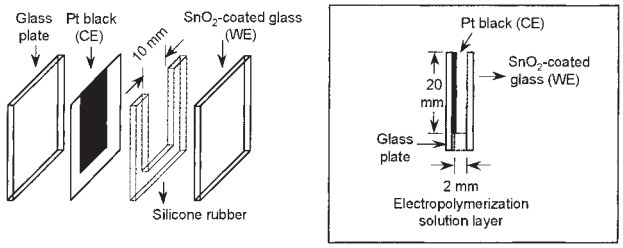
Hiroyuki Chiba and Teruaki Mukaiyama

174 **Layer-by-Layer Assembly on Hydrogel Surfaces and Control of Human Whole Blood Coagulation**



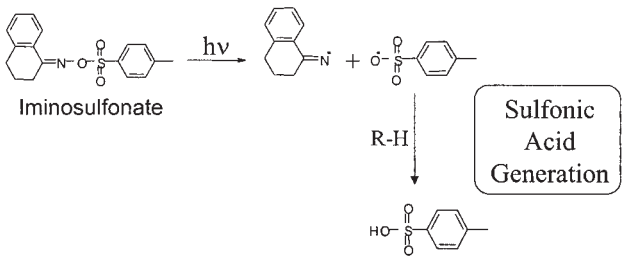
Hirokazu Sakaguchi, Takeshi Serizawa, and Mitsuru Akashi

176 **Determination of Enzyme Immobilized into Electropolymerized Polymer Films**



Saipin Thanachasai, Hiroyasu Furukawa, Shoichiro Yoshida, and Tadashi Watanabe

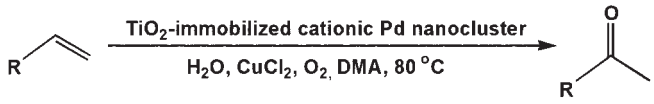
178 **Photocleavage Processes in an Iminosulfonate Derivative Usable as Photoacid in Resist Technology**



Jacques Lalevée, Xavier Allonas, Jean-Pierre Fouassier, Masamitsu Shirai, and Masahiro Tsunooka

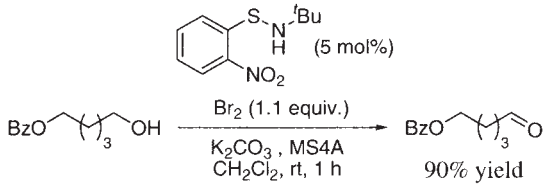
180 **Nanoscale Palladium Cluster Immobilized on a TiO_2 Surface as an Efficient Catalyst for Liquid-phase Wacker Oxidation of Higher Terminal Olefins**

A Pd nanocluster immobilized on a TiO_2 surface acted as an efficient catalyst for the liquid-phase Wacker oxidation of higher terminal olefins under acid-free conditions.



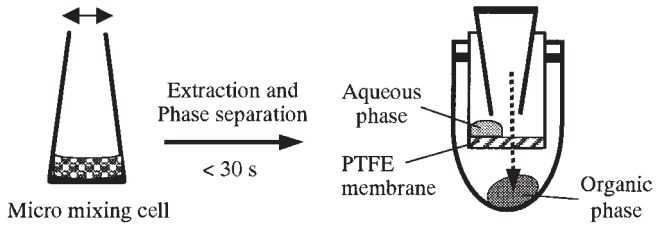
Kwang-Min Choi, Tomoo Mizugaki, Kohki Ebitani, and Kiyotomi Kaneda

182 **Sulfenamide-catalyzed Oxidation of Primary and Secondary Alcohols with Molecular Bromine**



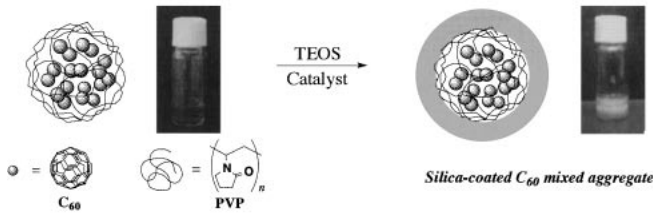
Jun-ichi Matsuo, Asahi Kawana, Hiroyuki Yamanaka, and Teruaki Mukaiyama

184 **Liquid-Liquid Micro Batch Extraction System for Rapid Separation**



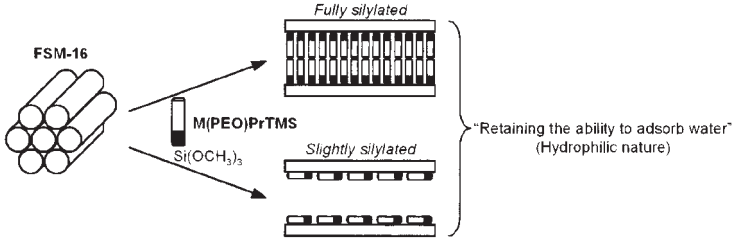
Takayuki Sasaki and Koichi Takamiya

186 **Silica Gel Fabrication of [60]Fullerene Aggregates Utilizing Poly(*N*-vinylpyrrolidone) as a "Glue"**



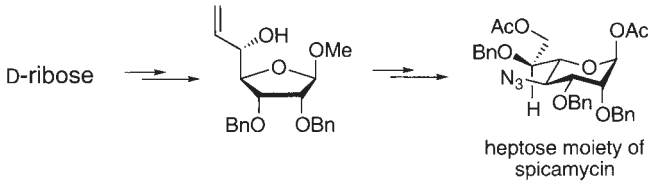
Masayoshi Asai, Norifumi Fujita, and Seiji Shinkai

188 **Surface Modification of Ordered Mesoporous Silica with an Organosilane Containing Polyethylene Oxide Groups to Retain the Hydrophilic Nature**



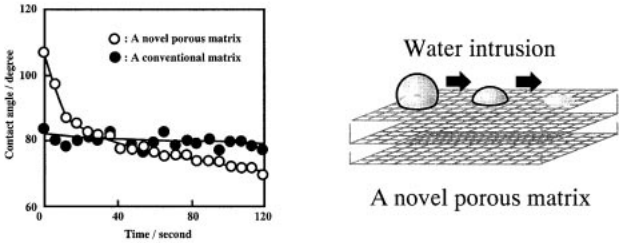
Tatsuo Kimura, Makiko Suzuki, Shinji Tomura, and Kiichi Oda

190 **The New and Efficient Synthesis of a Heptose Moiety of Spicamycin**



Tamotsu Suzuki and Noritaka Chida

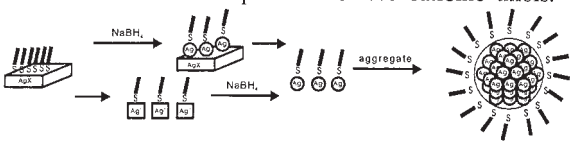
192 **Higher Water Intrusion Property on Novel Porous Matrix Composed of Bioinspired Polymer Stereocomplex for Tissue Engineering**



Junji Watanabe and Kazuhiko Ishihara

194 **Cationic Silver Nanoparticles Dispersed in Water Prepared from Insoluble Salts**

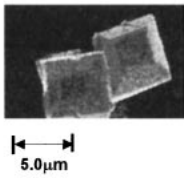
Homogeneous dispersions of unique-sized Ag nanoparticles were obtained by reduction of insoluble silver halides in the presence of the cationic thiols.



Tetsu Yonezawa, Hideo Genda, and Kunihito Koumoto

196 **$TiN_xO_yF_z$ as a Stable Photocatalyst for Water Oxidation in Visible Light (<570 nm)**

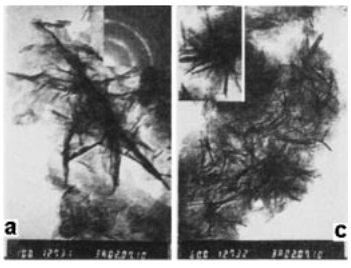
$TiN_xO_yF_z$ prepared from $(NH_4)_2TiF_6$ and SiO_2 under NH_3 flow at 773 K has a bandgap-absorption edge at about 570 nm and functions as a stable photocatalyst for water oxidation.



Kohta Nukumizu, Jun Nunoshige, Tsuyoshi Takata, Junko N. Kondo, Michikazu Hara, Hisayoshi Kobayashi, and Kazunari Domen

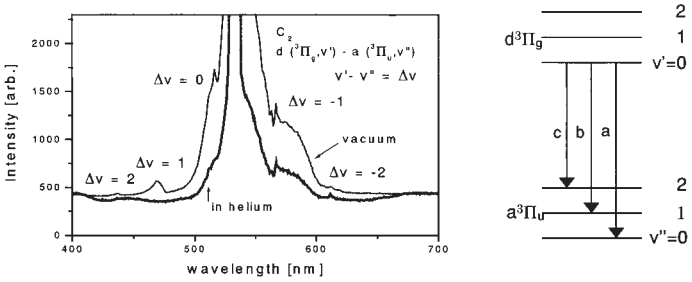
198 **Synthesis of Copper Sulfide Nanowhisker via Sonochemical Way and its Characterization**

Nanosized whisker-like Cu_9S_8 crystals with width ca. 10-30 nm and length up to ca. 800 nm (as shown in a) and star-like Cu_9S_8(as shown in c) have been synthesized with an ultrasonic irradiation route.



Changqi Xu, Zhicheng Zhang, Qiang Ye, and Xiong Liu

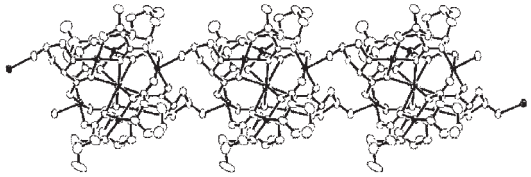
200 **Emission Spectrum of the C_2 Radical Embedded in Superfluid Helium around 1.5 K**



Akira Wada and Yasuyuki Aratono

202 **Synthesis, Structure, and Preliminary Magnetic Studies of a Cluster Polymer with a Hexacopper(II) Barrel Portion**

The preparation of a new cluster polymer, *catena*-{[Na⊂Cu_2{Cu(hpro)$_2$}$_4$(ClO_4)$_5$]·4H_2O} is presented, along with the preliminary magnetic properties.



Li-Yan Wang, Satoshi Igarashi, Yasuhiko Yukawa, Takeshi Hashimoto, Kunio Shimizu, Yoshimasa Hoshino, Andrew Harrison, Guillem Aromí, and Richard E. P. Winpenny

Additions and Corrections

204 **New Preconcentration System Based on Steam Distillation for Dioxin Analogs**

Takeru Iwamura, Junji Hirayama, and Jun-ichi Iwamura

