

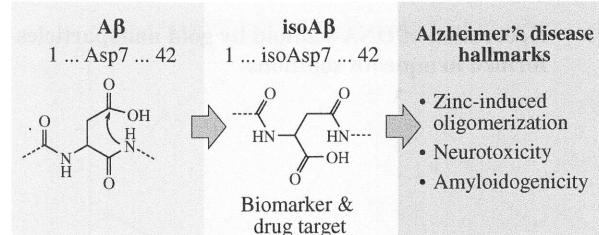
Mendeleev Communications

CONTENTS

FOCUS ARTICLE

- 269 Amyloid- β containing isoaspartate 7 as potential biomarker and drug target in Alzheimer's disease

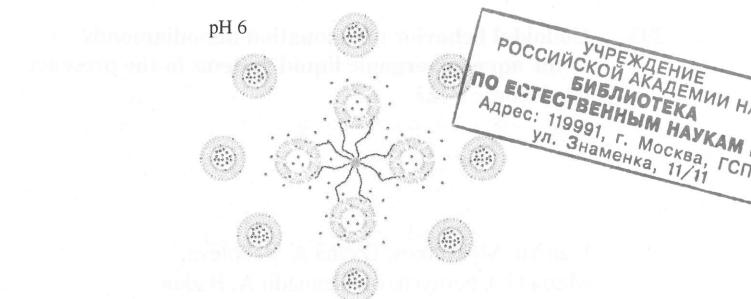
Sergey A. Kozin, Vladimir A. Mitkevich,
Alexander A. Makarov



COMMUNICATIONS

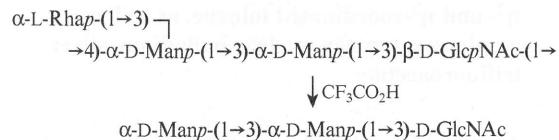
- 276 Effects of the electrostatic complexation between anionic pH-sensitive liposomes and star-shaped polycations on the release of the liposomal content

Andrey V. Sybachin, Olga V. Zaborova,
Kristina M. Imelbaeva, Vyacheslav V. Samoshin,
Vasily A. Migulin, Felix A. Plamper,
Alexander A. Yaroslavov



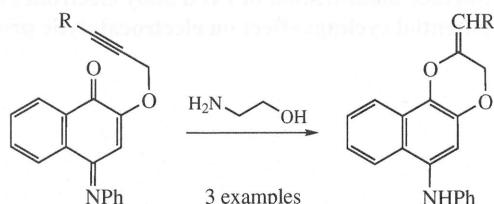
- 279 Solvolysis with trifluoroacetic acid: an efficient method for selective cleavage of polysaccharides

Vyacheslav L. L'vov, Andrei V. Filatov,
Andrei V. Perepelov, Anna M. Shpirt,
Alexander S. Shashkov, Alexander O. Chizhov,
Yuriy A. Knirel



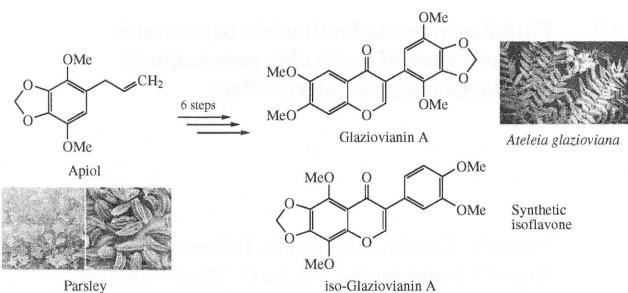
- 282 Cyclization of 2-(3-R-prop-2-ynyoxy)-4-phenyl-iminonaphthalen-1(4H)-ones into 2-R-methylidene-6-phenylamino-2,3-dihydronaphtho[2,1-b]-1,4-dioxines

Denis S. Baranov, Yurii V. Gatilov



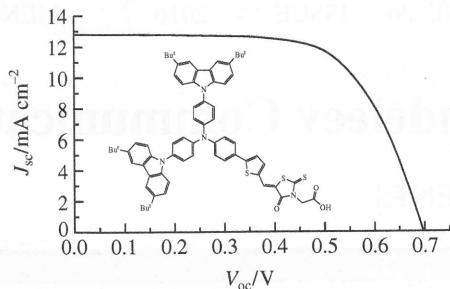
- 285 Synthesis of analogues of natural antimitotic glaziovianin A based on dill and parsley seed essential oils

Dmitry V. Tsyganov, Leonid D. Konyushkin,
Marina N. Semenova, Victor V. Semenov



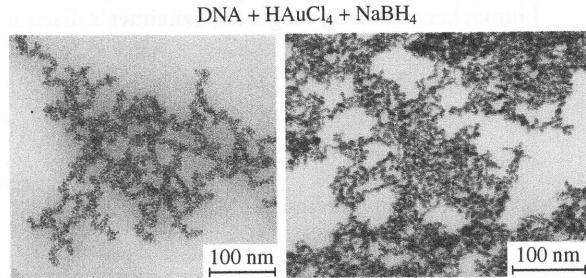
288 D-D- π -A organic dye containing rhodanine-3-acetic acid moiety for dye-sensitized solar cells

Ming-Dao Zhang, Cheng-Yan Huang, Ming-Xia Song, Dan-Xia Zhao, Hui Cao, Min-Dong Chen



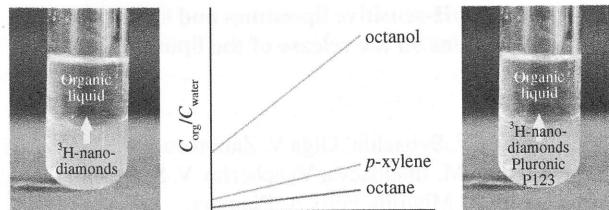
291 Decoration of DNA scaffold by gold nanoparticles formed in aqueous solutions

Larisa I. Lopatina, Evgeny A. Karpushkin, Anatoly Zinchenko, Vladimir G. Sergeyev



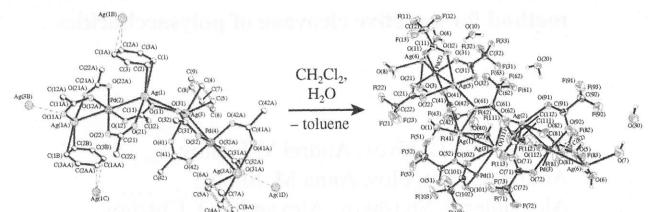
293 Colloidal behavior of detonation nanodiamonds in the aqueous-organic liquid systems in the presence of pluronic P123

Ivan Yu. Myasnikov, Oxana A. Soboleva, Maria G. Chernysheva, Gennadii A. Badun



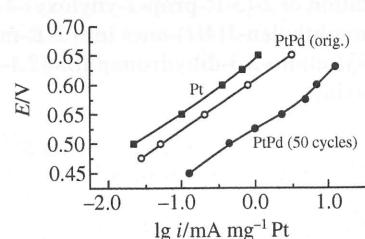
295 Unprecedented polymeric trifluoroacetate palladium–silver complexes: π -complex with η^2 - and η^2 -coordinated toluene, as well as a unique seventeen nuclear palladium–silver trifluoroacetate

Andrei V. Churakov, Inessa A. Efimenko, Olga S. Erofeeva, Ludmila G. Kuzmina, Nina A. Ivanova



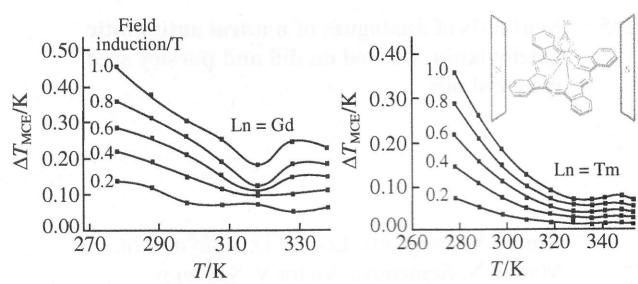
298 Surface modification of PtPd alloy electrodes by potential cycling: effect on electrocatalytic properties

Tatyana D. Gladysheva, Boris I. Podlovchenko, Dmitry S. Volkov, Alexander Yu. Filatov

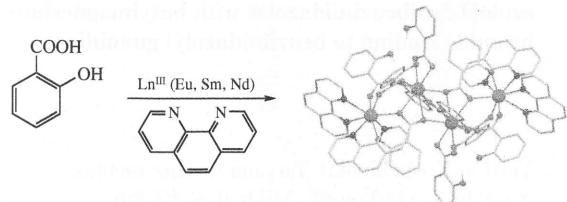


301 Phthalocyaninato lanthanide(III) acetates as a new class of molecular paramagnets with large magnetocaloric effect

Victor V. Korolev, Tatyana N. Lomova, Anna G. Ramazanova, Elena G. Mozhzhukhina

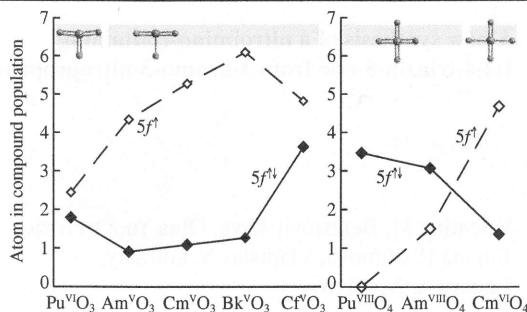


304 Construction of three unusual tetranuclear lanthanide complexes based on salicylate and phenanthroline ligands



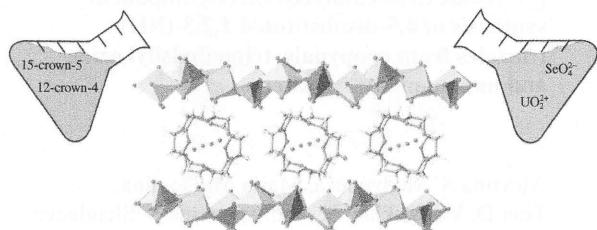
Min Hu, Ling-Yu Yue, Shao-Ming Fang

307 Chemical bonding and effective atomic states of actinides in higher oxide molecules



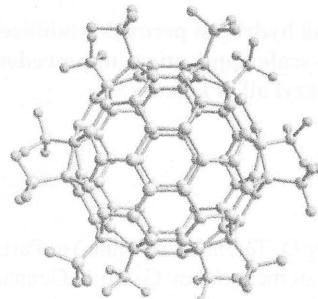
Andrei V. Zaitsevskii, Leonid V. Skripnikov, Anatoly V. Titov

309 Crown-ether-templated uranyl selenates: novel family of mixed organic-inorganic actinide compounds



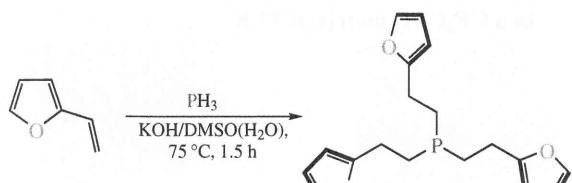
Vladislav V. Gurzhiy, Olga S. Tyumentseva, Darya V. Tyschenko, Sergey V. Krivovichev, Ivan G. Tananaev

312 A minor isomer of C₈₄ fullerene, D_{6h}-C₈₄(24), captured as a trifluoromethylated derivative, C₈₄(CF₃)₁₂



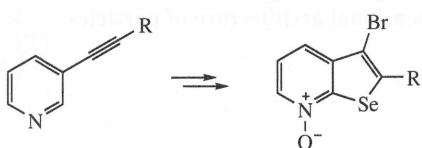
Nadezhda B. Tamm, Sergey I. Troyanov

314 Synthesis of tris[2-(2-furyl)ethyl]phosphine, its chalcogenides and Pd^{II} complex



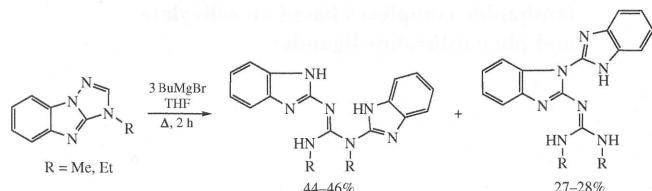
Alexander V. Artem'ev, Nina K. Gusarova, Anastasiya O. Sutyrina, Yurii V. Gatilov, Boris A. Trofimov

317 Preparation and characterization of selenopheno[2,3-*b*]pyridine *N*-oxides



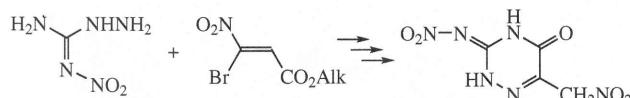
Pavel Arsenyan, Jelena Vasiljeva, Sergey Belyakov, Marina Petrova, Edvards Liepinsh

320 Unexpected domino reaction of 3-alkyl-1,2,4-triazolo[1,5-*a*]benzimidazoles with butylmagnesium bromide leading to benzimidazolyl guanidines



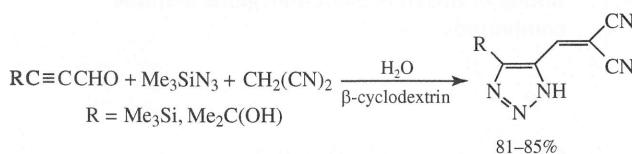
Yuri V. Koshchienko, Tatyana A. Kuz'menko,
Anatoli S. Morkovnik, Mikhail A. Kiskin,
Grigorii G. Alexandrov

323 A new synthesis of a nitroimino-containing 1,2,4-triazin-5-one from 3-bromo-3-nitropropenoates



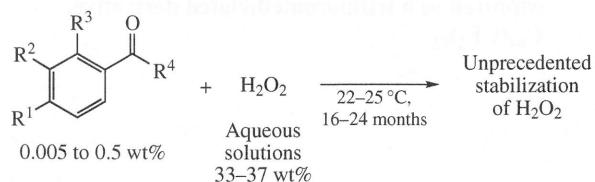
Valentina M. Berestovitskaya, Olga Yu. Ozerova,
Tatiana P. Efimova, Vladislav V. Gurzhii,
Tamara A. Novikova

326 β -Cyclodextrin-catalyzed three-component synthesis of 4,5-disubstituted 1,2,3-(NH)-triazoles from propynals, trimethylsilyl azide and malononitrile in water



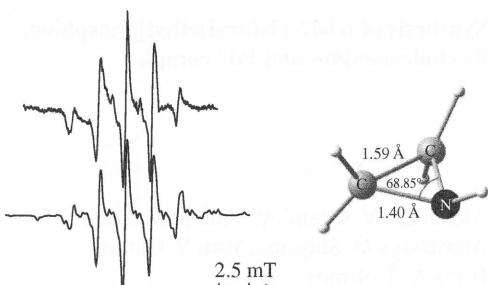
Alevtina S. Medvedeva, Maria M. Demina,
Tran D. Vu, Mikhail V. Andreev, Nina S. Shaglaeva,
Lyudmila I. Larina

329 Promising hydrogen peroxide stabilizers for large-scale application: unprecedented effect of aryl alkyl ketones



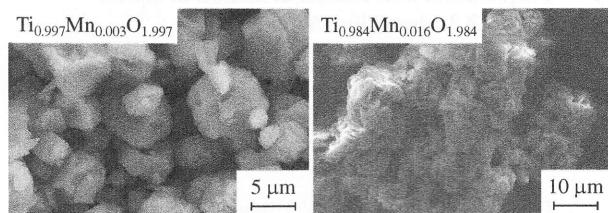
Alexander O. Terent'ev, Zhanna Yu. Pastukhova,
Ivan A. Yaremenko, Lev G. Bruk, Gennady I. Nikishin

332 Cyclic form of the aziridine radical cation in a CF_3CCl_3 matrix at 77 K



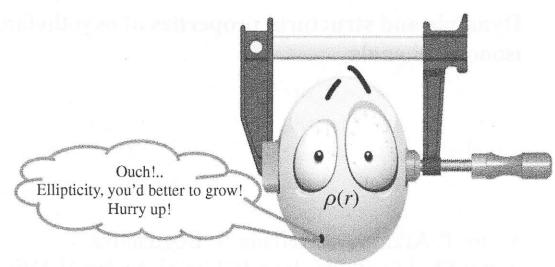
Ivan D. Sorokin, Oleg I. Gromov, Vladimir I. Pergushov,
Mikhail Ya. Mel'nikov

335 Synthesis and optical and photocatalytic properties of manganese-doped titanium oxide with a three-dimensional architecture of particles



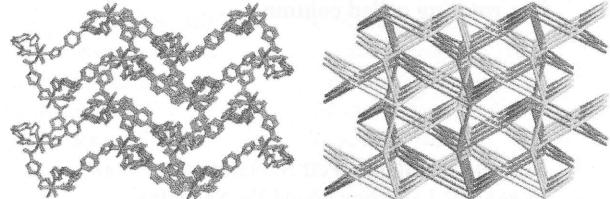
Inna V. Baklanova, Vladimir N. Krasil'nikov,
Olga I. Gyrdasova, Larisa Yu. Buldakova

- 338 A chemist's point of view: the noncylindrical symmetry of electron density means nothing but still means something



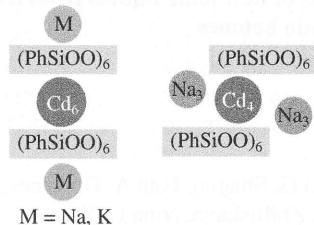
Ivan V. Ananyev, Konstantin A. Lyssenko

- 341 Synthesis, structure and properties of interpenetrated twofold 3D pillar-layered coordination polymers based on an N-centered tripodal ligand



Tian-Tian Wei, Hua Xie, Heng-Chang Ma, Zi-Qiang Lei, Jia-Cheng Liu, Xiao-Qiang Yao

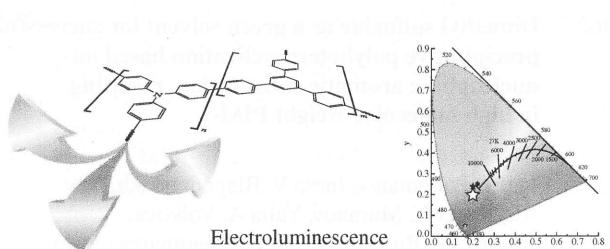
- 344 Metallosiloxanes containing period 5 transition metals: synthesis and X-ray studies of three cadmium siloxanes



Natalia V. Sergienko, Alexander A. Korlyukov, Dmitry E. Arkhipov, Valentin V. Novikov, Marina A. Eskova, Boris G. Zavin

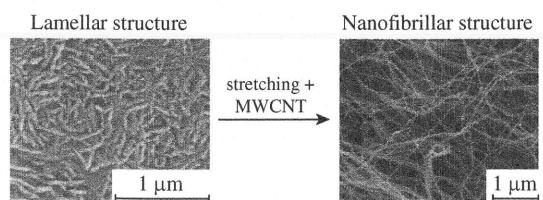
- 347 Hyperbranched 3D oligophenylenes for blue electroluminescence

Wojciech Mróz, Marina A. Babushkina, Natalia S. Kushakova, Aleksei I. Kovalev, Olga Yu. Antonova, Vladislav S. Kaplin, Mariacilia Pasini, Francesco Galeotti, Silvia Destri, Umberto Giovanella, Irina A. Khotina



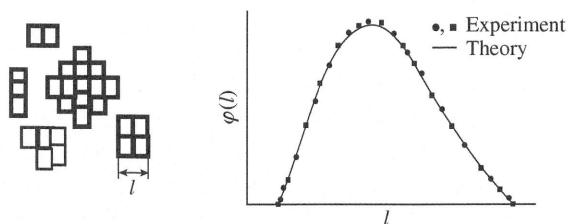
- 350 Transformation of the lamellar structure into nanofibrillar structure in the bulk oriented ultra high molecular weight polyethylene: mechanical and tribological properties

Aleksey V. Maksimkin, Fedor S. Senatov, Vladimir D. Danilov, Kseniya S. Mostovaya, Sergey D. Kaloshkin, Mikhail V. Gorshenkov, Alexander P. Kharitonov, Dilyus I. Chukov

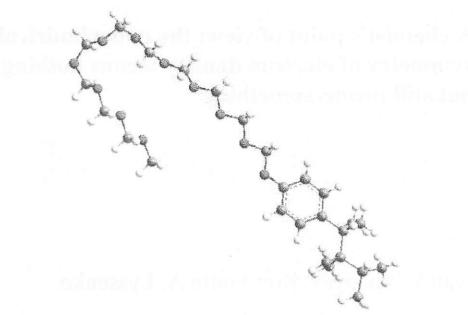


- 353 Morphological memory of polystyrene bodies

Igor V. Melikhov, Olga V. Alekseeva, Vsevolod N. Rudin, Elmira D. Kozlovskaya, Andrei V. Noskov

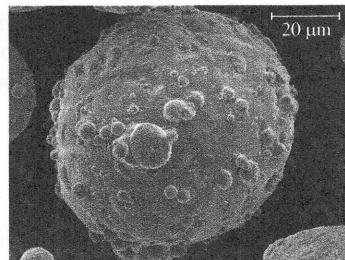


355 Dynamic and structural properties of oxyethylated
isonylphenols



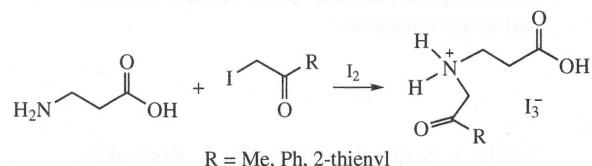
Victor P. Arkhipov, Svetlana A. Bogdanova,
Zamil Sh. Idiyatullin, Ivan V. Lunev, Andrei V. Filippov

358 Field-flow fractionation of metallic microparticles
in a rotating coiled column



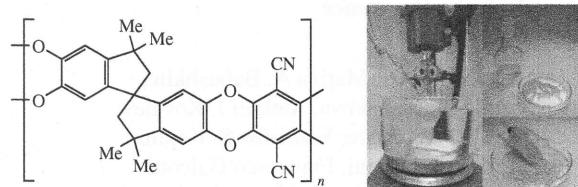
Mikhail S. Ermolin, Petr S. Fedotov,
Evgeny A. Levashov, Elena Yu. Savonina,
Alexander I. Ivaneev

360 Synthesis of new ionic liquids from α -, β -alanine
and α -iodo ketones



Lyudmila G. Shagun, Ivan A. Dorofeev,
Larisa V. Zhilitskaya, Nina O. Yarosh,
Lyudmila I. Larina

362 Dimethyl sulfoxide as a green solvent for successful
precipitative polyheterocyclization based on
nucleophilic aromatic substitution, resulting
in high molecular weight PIM-1



Igor I. Ponomarev, Inesa V. Blagodatskikh,
Alexander V. Muranov, Yulia A. Volkova,
Dmitrii Yu. Razorenov, Ivan I. Ponomarev,
Kirill M. Skupov

364 Corrigendum