

Contents

202294E

FROM EDITORS / Regular Issue

Dmitry A. Medvedev

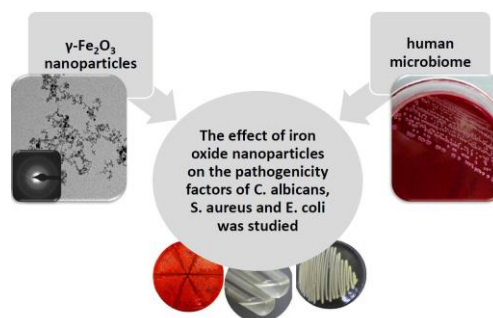
Introducing our new Editorial Board Members

20229401

ARTICLE / Regular Issue

Lyubov Kokorina, Yana V. Chernyavskaya,
Tatiana P. Denisova, Elena V. Simonova,
Alexander P. Safronov, Galina V. Kurlyandskaya

Variability of pathogenicity factors representative of the human microbiome under the influence of $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles

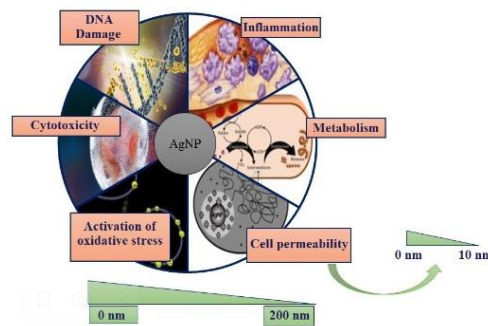


20229402

REVIEW / Regular Issue

Anton N. Kodintcev

Characterization and potential applications of silver nanoparticles: an insight on different mechanisms

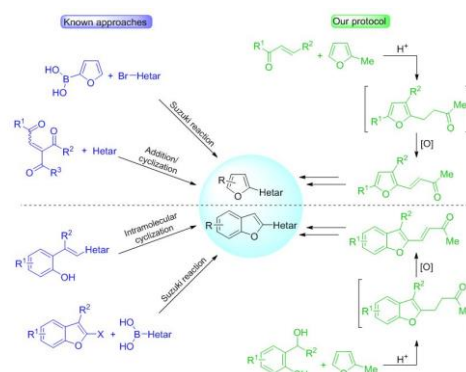


20229403

ARTICLE / Regular Issue

Diana A. Eshmemet'eva, Danil K. Vshivkov,
Yury A. Vasev, Danil A. Myasnikov

Synthetic strategy toward furyl- and benzofuryl- containing building blocks for organic materials

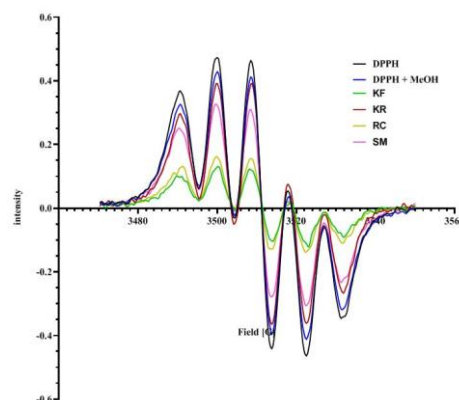


20229404

ARTICLE / Regular Issue

Saied Aboushanab, Vadim Shevyrin, Mustapha Kamel,
Jonas Kambele, Elena Kovaleva

Phytochemical screening and properties of botanical crude extracts and ethyl acetate fractions isolated by deep eutectic solvent

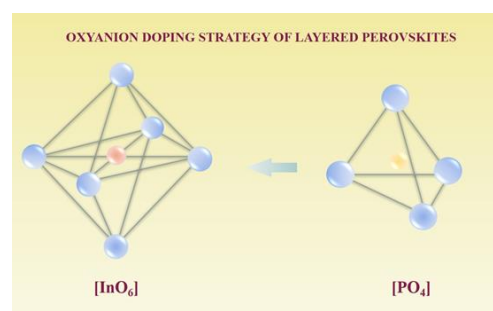


20229405

LETTER / Regular Issue

Nataliia Tarasova, Anzhelika Galisheva

Phosphorus-doped protonic conductors based on $\text{BaLa}_n\text{In}_{n+1}\text{O}_{3n+1}$ ($n = 1, 2$): applying oxyanion doping strategy to the layered perovskite structure

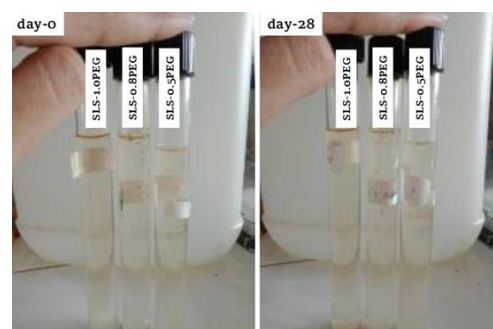


20229406

ARTICLE / Regular Issue

Slamet Priyanto, Ronny W. Sudrajat,
Suherman Suherman, Bambang Pramudono,
Teguh Riyanto, Desty D. Setianingrum, Alfin A. Pratama

Synthesis and performance evaluation of polymeric surfactant from rice husk and polyethylene glycol for the enhanced oil recovery process

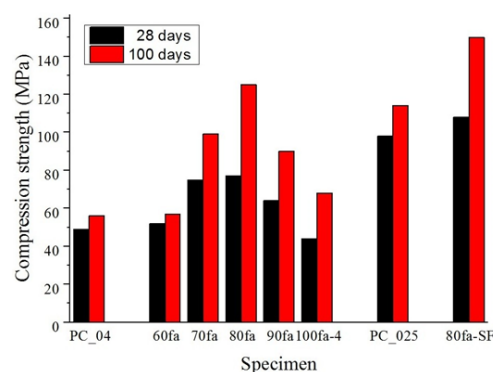


20229407

ARTICLE / Regular Issue

Olga M. Sharonova, Leonid A. Solovyov,
Alexander G. Anshits

Factors for increasing strength of composite materials based on fine high-calcium fly ash



20229408

ARTICLE / Regular Issue

Alexander A. Igolnikov, Aleksandr D. Yampol'skiy

To the possibility of experimental estimation of the diffusion spinodal position of binary mixture with LCST via pulsed heating method

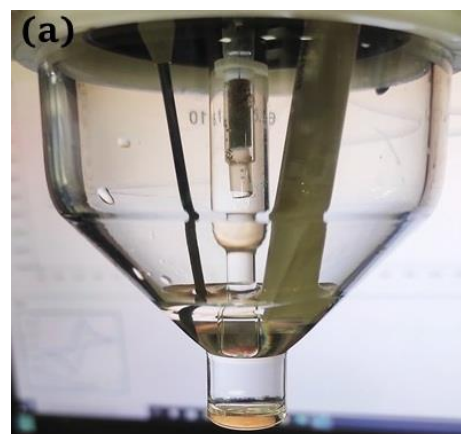


20229409

ARTICLE / Regular Issue

Tatiana S. Svalova, Regina A. Zaidullina,
Margarita V. Medvedeva, Elizaveta D. Vedernikova,
Alisa N. Kozitsina

Electrochemical behavior of chloramphenicol on carbon electrodes in a microelectrochemical cell

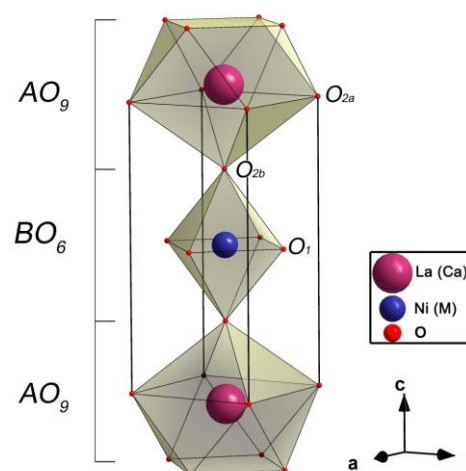


20229410

ARTICLE / Regular Issue

Yulia A. Deeva, Abdullo A. Mirzorakhimov,
Alexey Yu. Suntsov, Nadezhda I. Kadyrova,
Nina V. Melnikova, Tatyana I. Chupakhina

The effect of processing conditions on the dielectric properties of doped calcium lanthanum nickelate

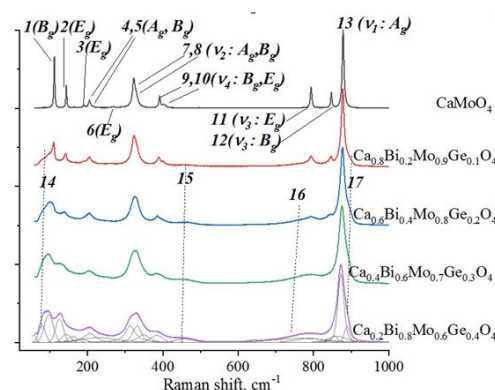


20229411

ARTICLE / Regular Issue

Zoya A. Mikhaylovskaya, Elena S. Buyanova,
Sofia A. Petrova, Elizaveta A. Pankrushina,
Alexander I. Malkin, Alexey N. Korotkov,
Nikolay S. Knyazev

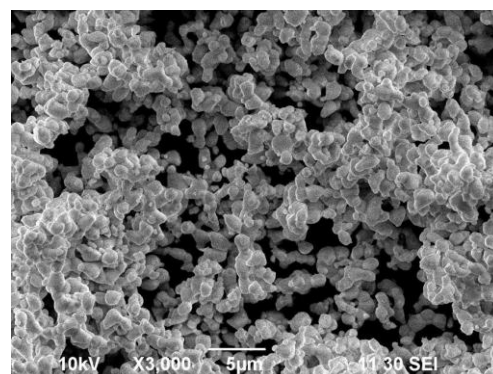
Structure and microwave dielectric properties of Bi- and Ge-doped calcium molybdate



20229412

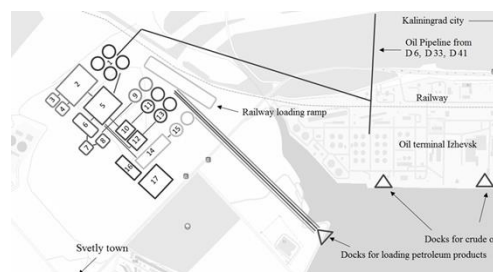
ARTICLE / Regular Issue

 Yury I. Komolikhov, Larisa V. Ermakova,
 Vladimir R. Khrustov, Victor D. Zhuravlev

**Dilatometric characteristics
of weakly sintered ceramics**

20229413

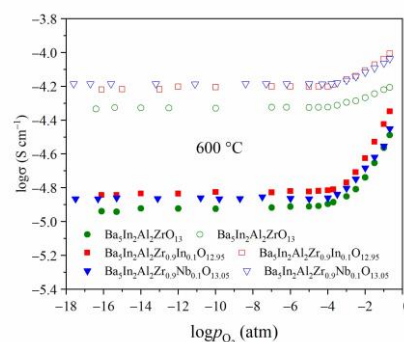
LETTER / Regular Issue

 Pavel Shcherban, Yakov Masyutin, Anna Vatagina,
 Margarita Belova, Alexander Stolyarenko

**Investigation of physical and chemical parameters
of the raw hydrocarbon material base of
Kaliningrad region for the concept development
of an oil refinery**

20229414

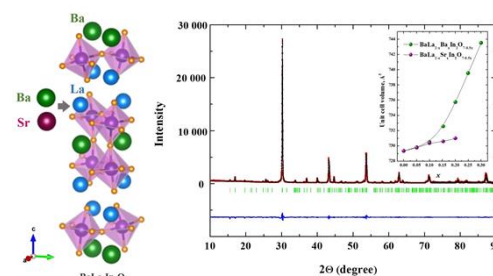
ARTICLE / Regular Issue

 Roman D. Andreev, Daniil V. Korona,
 Irina A. Anokhina, Irina E. Animitsa

**Novel Nb⁵⁺-doped hexagonal perovskite
Ba₅In₂Al₂ZrO₁₃ (structure, hydration,
electrical conductivity)**

20229415

LETTER / Regular Issue

Nataliia A. Tarasova

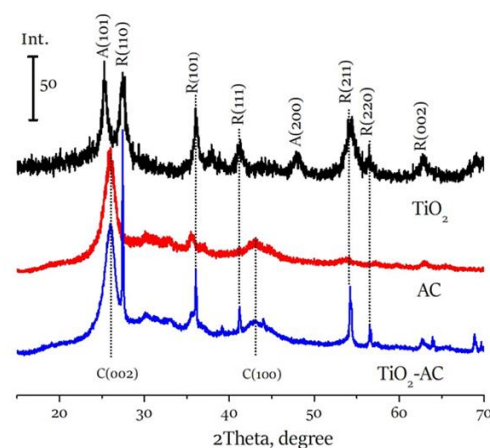
**Local structure and ionic transport in acceptor-
doped layered perovskite BaLa₂In₂O₇**


20229416

ARTICLE / Regular Issue

L. H. Q. Anh, Uyen P. N. Tran, P. V. G. Nghi, H. T. Le,
N. T. B. Khuyen, T. D. Hai

Titanium dioxide – activated carbon composite for photoelectrochemical degradation of phenol

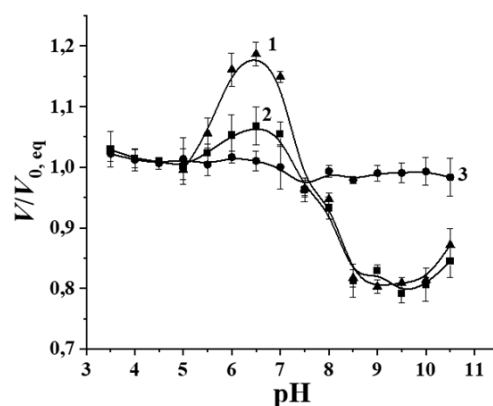


20229417

LETTER / Regular Issue

Ivan S. Shchemelev, Danil S. Khasanov,
Maria A. Smirnova, Alexander V. Ivanov,
Nikolay B. Ferapontov, Mikhail G. Tokmachev

Determination of reducing carbohydrates in natural honey samples by optical micrometry method

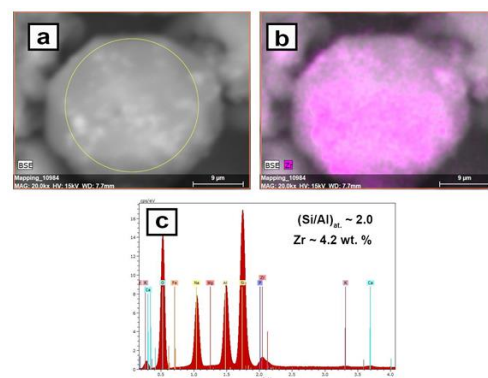


20229418

ARTICLE / Regular Issue

Tatiana A. Vereshchagina, Ekaterina A. Kutikhina,
Olga V. Buyko, Alexander G. Anshits

Hydrothermal synthesis and sorption performance to Cs(I) and Sr(II) of zirconia-analcime composites derived from coal fly ash cenospheres

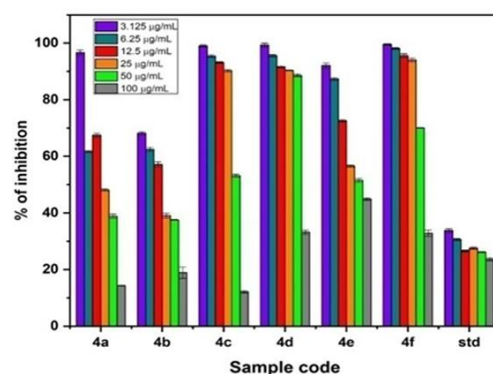


20229419

ARTICLE / Regular Issue

Megha G.V., Yadav D. Bodke, Shanavaz H.,
Muthipeedika Nibin Joy

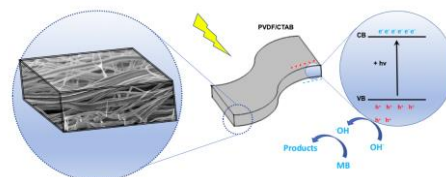
Substituted benzocoumarin derivatives: synthesis, characterization, biological activities and molecular docking with ADME studies



20229420

ARTICLE / Regular Issue

Alina Rabadanova, Magomed Abdurakhmanov,
Rashid Gulakhmedov, Abdulatip Shuaibov,
Daud Selimov, Dinara Sobola, Klára Částková,
Shikhgasan Ramazanov, Farid Orudzhev



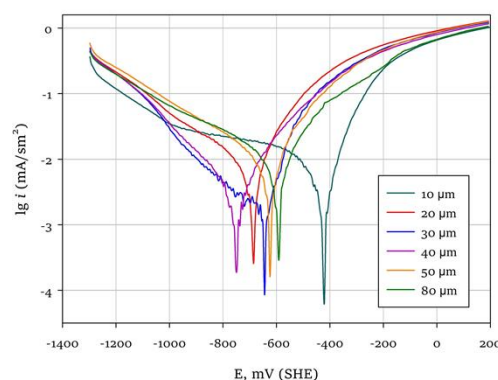
Piezo-, photo- and piezophotocatalytic activity of electrospun fibrous PVDF/CTAB membrane

20229421

ARTICLE / Regular Issue

Alexander I. Biryukov, Dmitry A. Zakharyevich,
Tatyana V. Batmanova, Rashit G. Galin,
Maksim N. Ulyanov, Vladimir E. Zhivulin

Corrosion of diffusion zinc coatings in sodium chloride solutions

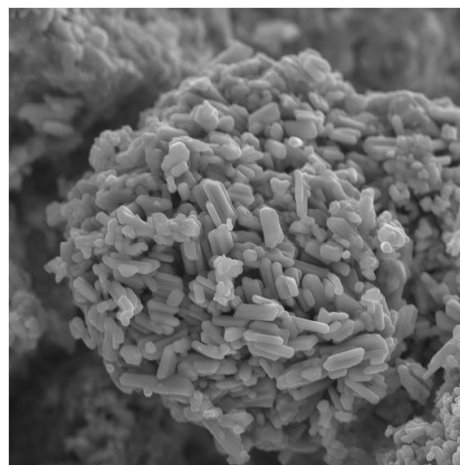


20229422

LETTER / Regular Issue

Evgeniya Maraeva, Dmitriy Radaykin, Anton Bobkov,
Nikita Permiakov, Vasily Matveev, Alexander Maximov,
Vyacheslav Moshnikov

Sorption analysis of composites based on zinc oxide for catalysis and medical materials science

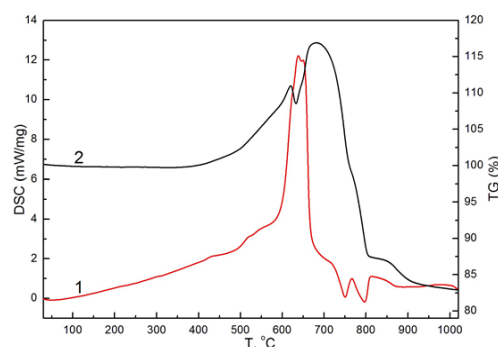


20229423

LETTER / Regular Issue

Irina B. Troitskaia, Mikhail M. Syrokvashin,
Evgeny V. Korotaev, Anatoly I. Saprykin

Effect of gas-chromatography column regeneration during the CHN/S analysis of copper-chromium disulfide

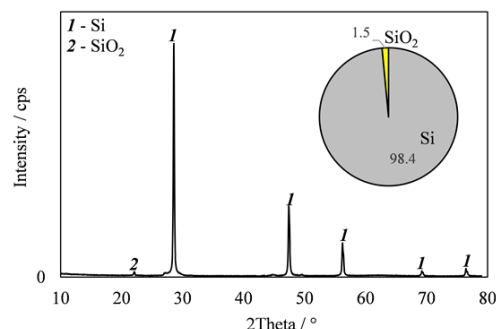


20229424

ARTICLE / Regular Issue

Rayana K. Abdurakhimova, Michail V. Laptev,
Natalia M. Leonova, Anastasia M. Leonova,
Alexander S. Schmygalev, Andrey V. Suzdaltsev

Electroreduction of silicon from the NaI–KI–K₂SiF₆ melt for lithium-ion power sources

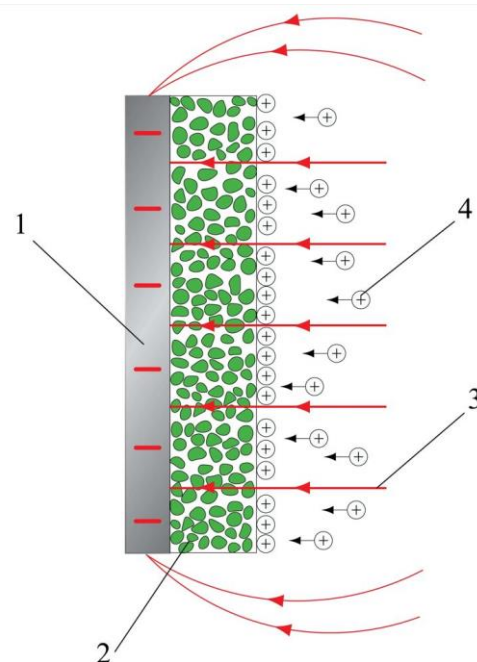


20229425

LETTER / Regular Issue

Artem V. Solovev, Georgy N. Starostin,
Inna A. Zvonareva, Stanislav S. Tulenin,
Vyacheslav F. Markov

Electrophoretic deposition of YSZ layers on pyrolytic graphite and a porous anode substrate based on NiO-YSZ



20229426

ARTICLE / Regular Issue

Polina N. Mozharovskaia, Alexandra V. Ivoilova,
Roman A. Drokin, Alla V. Ivanova, Alisa N. Kozitsina,
Vladimir L. Rusinov

The electrochemical behavior's character of a potential antiviral drug 3-nitro-4-hydroxy-7-methylthio-4H-[1,2,4]triazolo[5,1-c][1,2,4]triazinide monohydrate

