

CONTENT OF THE ISSUES FOR 2013

1



№1/2013

Gusev B.V., Falikman V.R., Leistner S. et al. Industrial technological research «Development of Russian market of nanotechnological products in construction until 2020»	6
The V International Theoretical and Practical Online-Conference «Application of Nanotechnologies in Construction Industry» (15–16 May 2013)	18
Inozemtcev A.S., Korolev E.V. Strength of nanomodified high-strength lightweight concretes	24
The exhibition «Construction» – the way to efficient development.....	39
Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers	42
Spring Construction Forum in Ufa	56
The results of the work of construction enterprises in the system B2B-Center in 2012	59
Modernization of granulated foam glass technology and potential application of the material	64
A method for production of nanopowders from different electroconductive materials (the patent 2475298)	77
On the build-up of intellectual capital and its protection by means of patenting	87
The list of requirements to the material presentation and article publication conditions.....	88

2



№2/2013

Gusev B.V., Falikman V.R., Leistner S. et al. Industrial technological research «Development of Russian market of nanotechnological products in construction until 2020». Part 2. Analysis of the world market	6
The V International Theoretical and Practical Online-Conference «Application of Nanotechnologies in Construction Industry» (15–16 May 2013)	21
Chumak A.G., Derevyanko V.N., Petrunin S.Y. et al. Structure and properties of composite material based on gypsum binder and carbon nanotubes	27
SibBuild–2013: the short review of the event	38
Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers	43
Belousova E.S., Mahmood M.S.M., Lynkov L.M., Nasonova N.V. Radio shielding properties of concrete based on shungite nanomaterials	56
The Committee on Entrepreneurship and Civil Engineering attached to the Chamber of Commerce and Industry of the Russian Federation held a meeting	68
Device and method for nanoadditives production (Patent 2476620)	76
On the build-up of intellectual capital and its protection by means of patenting	105
The list of requirements to the material presentation and article publication conditions	106



№3/2013

3

Gusev B.V., Falikman V.R., Leistner S. et al. Industrial technological research «Development of Russian market of nanotechnological products in construction until 2020». Part 3. Analysis of the russian market	6
BATIMAT 2013 – Press Conference in Moscow	21
Abramovskaya I.R., Ayzenstadt A.M., Frolova M.A. et al. The energy of highly dispersed rock composites.....	28
The exhibition «STROYINDUSTRIA–2013» – spring show of achievements in construction has been held in Sochi	39
Ivasyshin H.S. Physical and mechanical properties of nanomaterials and quantum mechanics	45
The largest construction exhibition of the Central Black Earth region of Russia	56
Korolev E.V., Kiselev D.G., Albakasov A.I. Operational properties as the indicators of sulfur binders nanomodification	60
The aim of the programm «Russian Olympus» is to find the high quality and efficient companies and specialists.....	71
Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers.....	79
Water soluble carbon nanocluster, a method to produce and apply it	92
On the build-up of intellectual capital and its protection by means of patenting	100
The list of requirements to the material presentation and article publication conditions.....	101

4



№4/2013

Publisher information (editorial council; editorial board; the editors; founders; publisher; publication ethics; contacts; minimal system requirements to access the edition; journal production schedule).....3

The V International Theoretical and Practical Online-Conference «Application of Nanotechnologies in Construction Industry» (15–16 May 2013) 14

The XIII International Construction Forum «SOCHI-BUILD-2013» 93

Belousova E. S., Nasonova N. V., Lynkov L. M., Borbotko T. V., Lisovskiy D. N. Fire-resistant shielding coating based on shungite-containing paint..... 97

Grishina A. N., Korolev E. V. Nanoscale barium hydrosilicates: choosing the synthesis technology 111

Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers. Part 4..... 121

On the observance of publishing ethics 132

5



№5/2013

Publisher Information (Editorial Council; Editorial Board; The Editors; Founders; Publisher; Publication Ethics; Contacts; Minimal System Requirements to Access the Edition; Journal Production Schedule)	3
Veshnyakova L.A., Ayzenstadt A.M., Frolova M.A., Grunova E.A., Dolinin A.N. Optimization of building mortar composition containing highly dispersed composites	13
Voronezh: From The Exhibition To The New City	22
Il'inykh I.A., Yudintseva T.I., Burmistrov I.N., Mazov I.N., Kuznetsov D.V., Kuskov K.V., Yusupov H.U. Investigation of the influence of multi-walled carbon nanotubes on wear resistance of the road marking polymer paint	27
Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers. Part 5	40
International Conference «Nanotechnologies – XXI century. Efficient Mechanisms for Implementation, Cooperation and Development of Nanoindustry in the Regions»	49
Ivasyshin H.S. Einstein and fretting. Bulgakov and quantum mechanics. Part 1	54
The XXIII International Specialized Exhibition FORUM URALSTROYINDUSTRIA	73
On the observance of publishing ethics by the editors of electronic edition «Nanotechnologies in Construction: A Scientific Internet-Journal» and the statement of prevarication absence	79

6



№6/2013

Publisher Information (Editorial Council; Editorial Board; The Editors; Founders; Publisher; Publication Ethics; Contacts; Minimal System Requirements to Access the Edition; Journal Production Schedule)..... 3

Gusev B.V. Internet-Journal «Nanotechnologies in Construction»: achievements in 201313

Korolev E.V., Smirnov V.A., Kiselev D.G. Kinetics of destruction of nanomodified sulfur composites.....31

Concrete and Reinforced Concrete – Glance at Future44

Boldyrev A.M., Grebenchuk V.G., Gushchin D.A., Tkachev A.G., Blinov S. V. Production of metal chemical welding additive with nanodispersed particles of titanium dioxide53

Karpov A.I. Development of nanotechnologies in construction – a task which is of great importance for scientists and engineers. Part 668

Maksim Safronov: «SibBuild is 13 672 professionals who come only to us»82

Ivasyshin H.S. Einstein and fretting. Bulgakov and quantum mechanics. Part 2.....85

BATIMAT, INTERCLIMA+ELEC and IDEO BAIN: integration for success!..... 101

Korolev E.V., Es'kin S.V., Smirnov V.A. Raman spectroscopy during formation of silica gel 108

The Forum «SOCHI-BUILD-2013» Gathered The Top Architects Of South And North-Caucasian Federal Districts 119

Vlasov V.A. Inventions in the nanotechnological area provide increased resistance of construction materials and products to operational load..... 126

Content of the issues 1–6 of the Journal «Nanotechnologies in Construction» for 2013..... 141

On the observance of publishing ethics by the editors of electronic edition «Nanotechnologies in Construction: A Scientific Internet-Journal» and the statement of prevarication absence 154