

## BUILDING MATERIALS

# Submission	Authors	Title
11	Andrej Sergeev, <b><u>Robert Turusov</u></b> and Vladimir Andreev	Determination of polymer – substrate joint adhesive strength by means method of pulling fiber from the matrix and normal avulsion
13	<b><u>Sergey Inozemtcev</u></b> and Evgeniy Korolev	Active polymeric reducing agent for self-healing asphalt concrete
17	<b><u>Dien Vu Kim</u></b> , Sofya Bazhenova, Lam Tang Van, Ly Nguyen Cong and Khanh Phan Khanh	Effect of Water and Admixture on Foam Concrete Properties
19	Elena Gotlib, Ilya Tverdov, Ha Thi Nha Phuong and <b><u>Alla Sokolova</u></b>	The impact of production temperature of synthetic wollastonite filled with rice husk on its composition and modifying effect
27	Mikhail Bruyako, Aleksandra Grigor'Eva, Irina Stepina, <b><u>Darya Golotenko</u></b> and Anastasia Podsevalova	Biomodified building materials on the base of mineral binders

28	Anvar Adilkhodjaev, Bahriddin Hasanov, <b><u>Said Shaumarov</u></b> and Valery Kondrashchenko	Aerated concrete with predetermined pore parameters for the exterior walls of energy efficient buildings
31	Thanh Qui Duong, Evgenij Korolev and <b><u>Aleksandr Inozemtcev</u></b>	Selection of Reinforcing Fiber for High-strength Lightweight Concrete for 3D-Printing
43	<b><u>Tien Nam Nguyen</u></b> and Petr Grabovy	The research of moisture sorption characteristics in mineral wool under the Vietnamese climate conditions
56	<b><u>Olga Vasil'Eva</u></b>	Verification of the building materials production process mathematical model
59	Kylyshbai Bisenov, Panabek Tanzharikov, <b><u>Ulbossyn Sarabekova</u></b> , Erden Kodar and Nurlan Abildaev	The substantiation of the influence of asphalt resin paraffin oil residue on asphalt concrete technology
72	Elena Gotlib, Elena Cherezova, Anh Nguyen Thi Lan and <b><u>Alla Sokolova</u></b>	The study of interaction between rubber seed oil and epoxy resin
77	Victor Sokov and <b><u>Nikita Dmitriev</u></b>	Obtaining gypsum products from gypsum dihydrate in a microwave field

86	Rostislav Krasnovsky, Dmitriy Kapustin, Dmitriy Korotkikh and <b><u>Luka Efishov</u></b>	Complete diagrams of strain under axial tension of steel-fiber reinforced concrete with different fiber types and content
91	<b><u>Nurmuhamat Asatov</u></b>	Concrete structure with complex additives
96	Andrey Askadskii, Tatiana Zhdanova and <b><u>Tatyana Matseevich</u></b>	Principle of computer synthesis of network polymers possessing a specified interval of glass temperatures
113	<b><u>Zhanyl Abilbek</u></b> , Aslan Zhabagiev, Bolat Koptileuov, Nurlybek Kelmagambetov and Aigul Erzhanova	Technical and economic analysis of the proposed method of utilization of asphalt resin paraffin deposits (ARPD) in the composition of organomineral waterproofing material
124	<b><u>Elena Korol</u></b> , Rima Petrosyan and Nadezhda Smirnova	Increasing the technology of waterproofing from bentonite mortars for construction, reconstruction and overall repair of a building
129	<b><u>Oleg Krotov</u></b> , Pavel Gromyko, Marina Gravit, Svetlana Belyaeva and Shukhrat Sultanov	Thermal conductivity of geopolymer concrete with different types of aggregate
153	<b><u>Kh Eshkabilov</u></b> , Sh Berdiyev and B Kamolov	Hardening of cutting tools by combined gas nitriding method

157	<b><u>Yulia Sokolova</u></b> , Ekaterina Stepanova, Marina Akulova, Tatiana Slizneva and Vyacheslav Polyakov	Heavy-weight concrete with the use of by-products of chemical process industry and metallurgy
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223	<b><u>Bakhrudin Khasanov</u></b> , Nikolai Vatin, Timur Mirzaev, Abdugani Suyunov and Mirzokhid Radjabov	Physicochemical fundamentals of modifying concrete mix and concrete
225	J A Schepochkina, S A Voinash, V A Sokolova, D V Koloshein and A <b><u>P Scherbakov</u></b>	Study of fine-grained cement concrete with ground glass
230	G Ovcharenko and <b><u>E Ibe</u></b>	The role of aluminum and iron hydroxides in the formation of concrete properties
231	Evgeniya Tkach, Vyacheslav Semenov and <b><u>Yulia Shumilina</u></b>	Optimization of the composition and technological processes of dispersed cement systems with high performance properties
232	<b><u>Tatyana Bobyleva</u></b> and A S Shamaev	Calculation of elastic-creeping characteristics of a beam made of a layered composite material

234	Vyacheslav Semenov, Alexey Zhukov, <b><u>Anton Pilipenko</u></b> and Elizaveta Mednikova	Effective thermal insulation based on recycled polyethylene
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