

# Nikolai Vatin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

347  
papers

3,425  
citations

29  
h-index

36  
g-index

380  
ext. papers

4,708  
ext. citations

1.6  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
347	Residual Impact Performance of ECC Subjected to Sub-High Temperatures.. <i>Materials</i> , <b>2022</b> , 15,	3.5	4
346	Concrete with Partial Substitution of Waste Glass and Recycled Concrete Aggregate.. <i>Materials</i> , <b>2022</b> , 15,	3.5	6
345	Impregnating Compound for Cement-Concrete Road Pavement. <i>Crystals</i> , <b>2022</b> , 12, 161	2.3	1
344	Wood and Steel Rope: A Rational Combination in Floor Beams. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 447-462	0.3	
343	Nonlinear Vibrations of an Orthotropic Viscoelastic Rectangular Plate Under Periodic Loads. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 139-147	0.3	
342	Experimental Study on Self Compacting Fibrous Concrete Comprising Magnesium Sulphate Solution Treated Recycled Aggregates.. <i>Materials</i> , <b>2022</b> , 15,	3.5	8
341	Mathematical Model of Deformation of the River Channel in the Area of the Damless Water Intake. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 1-15	0.3	0
340	Flexural Strength of Concrete Beam Reinforced with CFRP Bars: A Review.. <i>Materials</i> , <b>2022</b> , 15,	3.5	4
339	Concrete filled double steel tube columns incorporating UPVC pipes under uniaxial compressive load at ambient and elevated temperature. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00907	2.7	0
338	Replacing E-waste with coarse aggregate in architectural engineering and construction industry. <i>Materials Today: Proceedings</i> , <b>2022</b> , 56, 2353-2358	1.4	2
337	A Sustainable Reuse of Agro-Industrial Wastes into Green Cement Bricks.. <i>Materials</i> , <b>2022</b> , 15,	3.5	4
336	A Step towards Concrete with Partial Substitution of Waste Glass (WG) in Concrete: A Review.. <i>Materials</i> , <b>2022</b> , 15,	3.5	3
335	Climate-Adaptive Façades with an Air Chamber. <i>Buildings</i> , <b>2022</b> , 12, 366	3.2	2
334	Application of Soft Computing Techniques to Predict the Strength of Geopolymer Composites.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	7
333	The Effect of Low-Modulus Plastic Fiber on the Physical and Technical Characteristics of Modified Heavy Concretes Based on Polycarboxylates and Microsilica.. <i>Materials</i> , <b>2022</b> , 15,	3.5	3
332	Enhancing the Impact Strength of Prepacked Aggregate Fibrous Concrete Using Asphalt-Coated Aggregates.. <i>Materials</i> , <b>2022</b> , 15,	3.5	3
331	Predicting the Lateral Load Carrying Capacity of Reinforced Concrete Rectangular Columns: Gene Expression Programming.. <i>Materials</i> , <b>2022</b> , 15,	3.5	1

330	Predicting the Splitting Tensile Strength of Recycled Aggregate Concrete Using Individual and Ensemble Machine Learning Approaches. <i>Crystals</i> , <b>2022</b> , 12, 569	2.3	2
329	Neural Network Prediction of Slurry Erosion Wear of Ni-WC Coated Stainless Steel 420. <i>Metals</i> , <b>2022</b> , 12, 706	2.3	0
328	Prediction of Compressive Strength of Sustainable Foam Concrete Using Individual and Ensemble Machine Learning Approaches.. <i>Materials</i> , <b>2022</b> , 15,	3.5	2
327	Artificial Neural Network-Forecasted Compression Strength of Alkaline-Activated Slag Concretes. <i>Sustainability</i> , <b>2022</b> , 14, 5214	3.6	4
326	Response of Functionally Graded Preplaced Aggregate Fibrous Concrete with Superior Impact Strength. <i>Buildings</i> , <b>2022</b> , 12, 563	3.2	2
325	Machine Learning for Prediction of Heat Pipe Effectiveness. <i>Energies</i> , <b>2022</b> , 15, 3276	3.1	0
324	Drop Weight Impact Test on Prepacked Aggregate Fibrous Concrete-An Experimental Study.. <i>Materials</i> , <b>2022</b> , 15,	3.5	3
323	Numerical Modelling of Geopolymer Concrete In-Filled Fibre-Reinforced Polymer Composite Columns Subjected to Axial Compression Loading.. <i>Materials</i> , <b>2022</b> , 15,	3.5	1
322	Artificial Neural Network with a Cross-Validation Technique to Predict the Material Design of Eco-Friendly Engineered Geopolymer Composites. <i>Materials</i> , <b>2022</b> , 15, 3443	3.5	1
321	Assessment of Strength and Durability Properties of Self-Compacting Concrete Comprising Alccofine. <i>Sustainability</i> , <b>2022</b> , 14, 5895	3.6	0
320	An ultra-lightweight cellular concrete for geotechnical applications [A review]. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e01096	2.7	0
319	Flexural Behaviour of Hybrid Fibre-Reinforced Ternary Blend Geopolymer Concrete Beams. <i>Sustainability</i> , <b>2022</b> , 14, 5954	3.6	3
318	Estimating the Axial Compression Capacity of Concrete-Filled Double-Skin Tubular Columns with Metallic and Non-Metallic Composite Materials. <i>Materials</i> , <b>2022</b> , 15, 3567	3.5	0
317	Improvement in Durability and Mechanical Performance of Concrete Exposed to Aggressive Environments by Using Polymer. <i>Materials</i> , <b>2022</b> , 15, 3751	3.5	2
316	Retrofitting RC beams using high-early strength alkali-activated concrete. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 17, e01194	2.7	0
315	Barriers to Digital Technology Deployment in Value Management Practice. <i>Buildings</i> , <b>2022</b> , 12, 731	3.2	1
314	Performance of Steel-Bolt-Connected Industrialized Building System Frame Subjected to Hydrodynamic Force. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5093	2.6	0
313	Experimental and Analytical Modeling of Flexural Impact Strength of Preplaced Aggregate Fibrous Concrete Beams. <i>Materials</i> , <b>2022</b> , 15, 3857	3.5	0

312	Comprehensive Self-Healing Evaluation of Asphalt Concrete Containing Encapsulated Rejuvenator. <i>Materials</i> , <b>2022</b> , 15, 3672	3.5	0
311	A Review on Principles, Theories and Materials for Self Sensing Concrete for Structural Applications. <i>Materials</i> , <b>2022</b> , 15, 3831	3.5	2
310	Behaviour of Hybrid Fibre-Reinforced Ternary Blend Geopolymer Concrete Beam-Column Joints under Reverse Cyclic Loading. <i>Polymers</i> , <b>2022</b> , 14, 2239	4.5	1
309	Effect of polydisperse reinforcement on the fresh and physical-mechanical properties of self-compacting concrete. <i>Case Studies in Construction Materials</i> , <b>2022</b> , e01188	2.7	
308	Life Cycle Saving Analysis of an Earth-Coupled Building without and with Roof Evaporative Cooling for Energy Efficient Potato Storage Application. <i>Energies</i> , <b>2022</b> , 15, 4076	3.1	0
307	Repeated Drop-Weight Impact Testing of Fibrous Concrete: State-Of-The-Art Literature Review, Analysis of Results Variation and Test Improvement Suggestions. <i>Materials</i> , <b>2022</b> , 15, 3948	3.5	1
306	Effect of Needle Type, Number of Layers on FPAFC Composite against Low-Velocity Projectile Impact. <i>Buildings</i> , <b>2021</b> , 11, 668	3.2	6
305	Experimental Investigation on Geopolymer Concrete with Various Sustainable Mineral Ashes.. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
304	Predicting the Ultimate Axial Capacity of Uniaxially Loaded CFST Columns Using Multiphysics Artificial Intelligence.. <i>Materials</i> , <b>2021</b> , 15,	3.5	10
303	Mechanical Properties of High-Performance Hybrid Fibre-Reinforced Concrete at Elevated Temperatures. <i>Sustainability</i> , <b>2021</b> , 13, 13392	3.6	2
302	Modular Green Roofs for the Sustainability of the Built Environment: The Installation Process. <i>Sustainability</i> , <b>2021</b> , 13, 13749	3.6	2
301	FE Modelling and Analysis of Beam Column Joint Using Reactive Powder Concrete. <i>Crystals</i> , <b>2021</b> , 11, 1372	2.3	6
300	Axial Behavior of Concrete-Filled Double-Skin Tubular Stub Columns Incorporating PVC Pipes. <i>Crystals</i> , <b>2021</b> , 11, 1434	2.3	1
299	Prolonged Thermal Relaxation of the Thermosetting Polymers. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
298	Assessing Rainwater Harvesting Potential in Urban Areas: A Building Information Modelling (BIM) Approach. <i>Sustainability</i> , <b>2021</b> , 13, 12583	3.6	1
297	The Effect of Superabsorbent Polymer and Nano-Silica on the Properties of Blended Cement. <i>Crystals</i> , <b>2021</b> , 11, 1394	2.3	3
296	Structure and Content Analysis of Raw Materials for Production of Trimanganese Tetraoxide Pigment. <i>Crystals</i> , <b>2021</b> , 11, 1460	2.3	0
295	Forecasting Strength of CFRP Confined Concrete Using Multi Expression Programming. <i>Materials</i> , <b>2021</b> , 14,	3.5	8

294	Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
293	Prediction of Pore Volume Dispersion and Microstructural Characteristics of Concrete Using Image Processing Technique. <i>Crystals</i> , <b>2021</b> , 11, 1476	2.3	0
292	Improving the Early Properties of Treated Soft Kaolin Clay with Palm Oil Fuel Ash and Gypsum. <i>Sustainability</i> , <b>2021</b> , 13, 10910	3.6	4
291	Soil Injection Technology Using an Expandable Polyurethane Resin: A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
290	Modified Falling Mass Impact Test Performance on Functionally Graded Two Stage Aggregate Fibrous Concrete. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
289	Experimental Investigation and Image Processing to Predict the Properties of Concrete with the Addition of Nano Silica and Rice Husk Ash. <i>Crystals</i> , <b>2021</b> , 11, 1230	2.3	5
288	Thermal Behavior and Energy Efficiency of Modified Concretes in the Tropical Climate: A Systemic Review. <i>Sustainability</i> , <b>2021</b> , 13, 11957	3.6	2
287	Granular Aggregates Based on Finely Dispersed Substandard Raw Materials. <i>Crystals</i> , <b>2021</b> , 11, 369	2.3	2
286	Obtaining and Properties of a Photocatalytic Composite Material of the "SiO-TiO" System Based on Various Types of Silica Raw Materials. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
285	The Stress-Strain State of Three-Layer Precast Flexural Concrete Enclosure Structures with the Contact Interlayers. <i>Buildings</i> , <b>2021</b> , 11, 88	3.2	2
284	Nano- and Micro-Modification of Building Reinforcing Bars of Various Types. <i>Crystals</i> , <b>2021</b> , 11, 323	2.3	5
283	Modified Lime Binders for Restoration Work. <i>Buildings</i> , <b>2021</b> , 11, 98	3.2	1
282	Combined Functionalization of Carbon Nanotubes (CNT) Fibers with H <sub>2</sub> SO <sub>4</sub> /HNO <sub>3</sub> and Ca(OH) <sub>2</sub> for Addition in Cementitious Matrix. <i>Fibers</i> , <b>2021</b> , 9, 14	3.7	4
281	Thermal Performance of Structural Lightweight Concrete Composites for Potential Energy Saving. <i>Crystals</i> , <b>2021</b> , 11, 461	2.3	8
280	Reinforcement of Flexural Members with Basalt Fiber Mortar. <i>Fibers</i> , <b>2021</b> , 9, 26	3.7	1
279	Increase the Performances of Lime Finishing Mixes Due to Modification with Calcium Silicate Hydrates. <i>Crystals</i> , <b>2021</b> , 11, 399	2.3	7
278	Capacity to Develop Recycled Aggregate Concrete in South East Asia. <i>Buildings</i> , <b>2021</b> , 11, 234	3.2	9
277	Combined Effect of Multi-Walled Carbon Nanotubes, Steel Fibre and Glass Fibre Mesh on Novel Two-Stage Expanded Clay Aggregate Concrete against Impact Loading. <i>Crystals</i> , <b>2021</b> , 11, 720	2.3	19

276	Impact of Groundwater Level Change on Natural Frequencies of RC Buildings. <i>Buildings</i> , <b>2021</b> , 11, 265	3.2	2
275	Long-Term Properties of Different Fiber Reinforcement Effect on Fly Ash-Based Geopolymer Composite. <i>Crystals</i> , <b>2021</b> , 11, 760	2.3	7
274	Dynamic Stability of Orthotropic Viscoelastic Rectangular Plate of an Arbitrarily Varying Thickness. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6029	2.6	0
273	Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. <i>Crystals</i> , <b>2021</b> , 11, 695	2.3	8
272	Application of Plastic Wastes in Construction Materials: A Review Using the Concept of Life-Cycle Assessment in the Context of Recent Research for Future Perspectives. <i>Materials</i> , <b>2021</b> , 14,	3.5	17
271	Effect of an Aluminosilicate Disperse Additive on Behaviors of Autoclave Silicate Materials. <i>Buildings</i> , <b>2021</b> , 11, 239	3.2	5
270	Stress Intensity Factor of Reinforced Concrete Beams in Bending. <i>Buildings</i> , <b>2021</b> , 11, 287	3.2	3
269	Response of Novel Functionally-Graded Prepacked Aggregate Fibrous Concrete against Low Velocity Repeated Projectile Impacts. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
268	Experimental Investigation on Composite Deck Slab Made of Cold-Formed Profiled Steel Sheeting. <i>Metals</i> , <b>2021</b> , 11, 229	2.3	4
267	Multi-Span Composite Timber Beams with Rational Steel Reinforcements. <i>Buildings</i> , <b>2021</b> , 11, 46	3.2	22
266	Irrigation sedimentation tanks in the bed of the pumping station inlet channels. <i>E3S Web of Conferences</i> , <b>2021</b> , 274, 03004	0.5	0
265	Evaluation of Mode II Fracture Toughness of Hybrid Fibrous Geopolymer Composites. <i>Materials</i> , <b>2021</b> , 14,	3.5	25
264	Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. <i>Crystals</i> , <b>2021</b> , 11, 232	2.3	30
263	Wave Theory of Seismic Resistance of Underground Pipelines. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1797	2.6	8
262	Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. <i>Crystals</i> , <b>2021</b> , 11, 168	2.3	25
261	Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	33
260	Natural Fibers as an Alternative to Synthetic Fibers in Reinforcement of Geopolymer Matrices: A Comparative Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	18
259	Rheological Behavior and Strength Characteristics of Cement Paste and Mortar with Fly Ash and GGBS Admixtures. <i>Sustainability</i> , <b>2021</b> , 13, 9600	3.6	6

258	Self-Healing Construction Materials: The Geomimetic Approach. <i>Sustainability</i> , <b>2021</b> , 13, 9033	3.6	2
257	Environmental Impact of District Heating System Retrofitting. <i>Atmosphere</i> , <b>2021</b> , 12, 1110	2.7	1
256	Kabul River Flow Prediction Using Automated ARIMA Forecasting: A Machine Learning Approach. <i>Sustainability</i> , <b>2021</b> , 13, 10720	3.6	8
255	Sound-Absorbing Acoustic Concretes: A Review. <i>Sustainability</i> , <b>2021</b> , 13, 10712	3.6	4
254	Feasibility of Reducing Electricity Consumption of Air Conditioning Equipment by Condenser Direct Evaporative Cooling Technology. Example of Case Study in Dubai. <i>Atmosphere</i> , <b>2021</b> , 12, 1205	2.7	5
253	Long-term durability properties of geopolymer concrete: An in-depth review. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00661	2.7	8
252	Polymers under Load and Heating Deformability: Modelling and Predicting. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
251	Impact Performance of Steel Fiber-Reinforced Self-Compacting Concrete against Repeated Drop Weight Impact. <i>Crystals</i> , <b>2021</b> , 11, 91	2.3	23
250	Acoustic Properties of Innovative Concretes: A Review. <i>Materials</i> , <b>2021</b> , 14,	3.5	16
249	Impact Response of Preplaced Aggregate Fibrous Concrete Hammerhead Pier Beam Designed with Topology Optimization. <i>Crystals</i> , <b>2021</b> , 11, 147	2.3	10
248	Dynamic Stability of Viscoelastic Orthotropic Rectangular Plate with Variable Thickness Under Periodic Loads. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 546-554	0.3	
247	Palm Oil Fuel Ash-Based Eco-Efficient Concrete: A Critical Review of the Short-Term Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	20
246	Recycled PET Sand for Cementitious Mortar.. <i>Materials</i> , <b>2021</b> , 15,	3.5	6
245	Predictive Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Artificial Intelligence Approaches: MLPNN, ANFIS, and GEP.. <i>Materials</i> , <b>2021</b> , 14,	3.5	8
244	Impact Resistance of Functionally Layered Two-Stage Fibrous Concrete. <i>Fibers</i> , <b>2021</b> , 9, 88	3.7	4
243	Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Machine Learning Techniques.. <i>Polymers</i> , <b>2021</b> , 14,	4.5	8
242	Impact Resistance of Polypropylene Fibre-Reinforced Alkali-Activated Copper Slag Concrete.. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
241	Structural Behavior of Fibrous-Ferrocement Panel Subjected to Flexural and Impact Loads. <i>Materials</i> , <b>2020</b> , 13,	3.5	8

240	Production of Greener High-Strength Concrete Using Russian Quartz Sandstone Mine Waste Aggregates. <i>Materials</i> , <b>2020</b> , 13,	3.5	21
239	Composite helical micro pile bearing capacity. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 890, 012037	0.4	3
238	Dynamic stability of viscoelastic orthotropic shells with concentrated mass. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 890, 012042	0.4	4
237	A Critical Review on the Properties and Applications of Sulfur-Based Concrete. <i>Materials</i> , <b>2020</b> , 13,	3.5	18
236	Design Efficiency, Characteristics, and Utilization of Reinforced Foamed Concrete: A Review. <i>Crystals</i> , <b>2020</b> , 10, 948	2.3	12
235	Fibre-Reinforced Foamed Concretes: A Review. <i>Materials</i> , <b>2020</b> , 13,	3.5	49
234	Investigation of the Potential Use of CurauFiber for Reinforcing Mortars. <i>Fibers</i> , <b>2020</b> , 8, 69	3.7	41
233	Structural Performance of Shear Loaded Precast EPS-Foam Concrete Half-Shaped Slabs. <i>Sustainability</i> , <b>2020</b> , 12, 9679	3.6	4
232	Heat Treatment of Basalt Fiber Reinforced Expanded Clay Concrete with Increased Strength for Cast-In-Situ Construction. <i>Fibers</i> , <b>2020</b> , 8, 67	3.7	15
231	Improvement of Performances of the Gypsum-Cement Fiber Reinforced Composite (GCFRC). <i>Materials</i> , <b>2020</b> , 13,	3.5	35
230	Development of Bacterium for Crack Healing and Improving Properties of Concrete under WetDry and Full-Wet Curing. <i>Sustainability</i> , <b>2020</b> , 12, 10346	3.6	7
229	Slug Regime Transitions in a Two-Phase Flow in Horizontal Round Pipe. CFD Simulations. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8739	2.6	4
228	Experimental Tests and Reliability Analysis of the Cracking Impact Resistance of UHPFRC. <i>Fibers</i> , <b>2020</b> , 8, 74	3.7	31
227	Comparison of Thermal Insulation Characteristics of PIR, Mineral Wool, Carbon Fiber, and Aerogel. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 877-883	0.4	2
226	Investigation of different materials usage expediency for a low-rise public building from the energy efficiency standpoint. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 365, 022014	0.4	9
225	Photosensitivity of structures based on AlIBIII 2CVI 4 monocrystals. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1038, 012100	0.3	30
224	Fine-grained concrete with combined reinforcement by different types of fibers. <i>MATEC Web of Conferences</i> , <b>2018</b> , 245, 03006	0.3	16
223	Nonlinear oscillations of a viscoelastic cylindrical panel with concentrated masses. <i>MATEC Web of Conferences</i> , <b>2018</b> , 245, 01001	0.3	18



222	To Calculation of Rectangular Plates on Periodic Oscillations. <i>MATEC Web of Conferences</i> , <b>2018</b> , 245, 01003	0.3	14
221	Application of RFID combined with blockchain technology in logistics of construction materials. <i>MATEC Web of Conferences</i> , <b>2018</b> , 170, 03032	0.3	33
220	Fluorescent spectroscopy features in the study of green leaves of plants. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 929, 012021	0.3	37
219	PREDICTION OF BEHAVIOUR OF PRESTRESSED SUSPENSION BRIDGE WITH TIMBER DECK PANELS. <i>Baltic Journal of Road and Bridge Engineering</i> , <b>2017</b> , 12, 234-240	0.9	12
218	Crack Formation in Cement-Based Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 123, 012050	0.4	7
217	Numerical Investigations of Notched C-Profile Compressed Members with Initial Imperfections. <i>Magazine of Civil Engineering</i> , <b>2016</b> , 62, 92-101		25
216	Thermophysical field testing of residential buildings made of autoclaved aerated concrete blocks. <i>Magazine of Civil Engineering</i> , <b>2016</b> , 64, 10-25		36
215	Fire design of arch-type timber roof. <i>Magazine of Civil Engineering</i> , <b>2016</b> , 64, 26-39		28
214	Improved numerical methods in reliability analysis of suspension roof joints. <i>Magazine of Civil Engineering</i> , <b>2016</b> , 65, 27-41		26
213	Elaboration of the Method for Safety Assessment of Subsea Pipeline with Longitudinal Buckling. <i>Advances in Civil Engineering</i> , <b>2016</b> , 2016, 1-5	1.3	5
212	Processes at Water Intake from Mountain Rivers into Hydropower and Irrigation Systems. <i>MATEC Web of Conferences</i> , <b>2016</b> , 73, 01006	0.3	16
211	Examination of the Basement of Historic Buildings in Investment Activity. <i>MATEC Web of Conferences</i> , <b>2016</b> , 73, 01007	0.3	3
210	Composite Concrete Modifier CM 02-10 and Its Impact on the Strength Characteristics of Concrete. <i>MATEC Web of Conferences</i> , <b>2016</b> , 53, 01022	0.3	7
209	Dynamic Control Method of Design Terms in Underground Construction. <i>Procedia Engineering</i> , <b>2016</b> , 165, 1918-1924		5
208	Structural Upgrading of Steel Columns for Overhead Power Lines. <i>Procedia Engineering</i> , <b>2016</b> , 165, 876-882		6
207	The Influence of Configuration on to the Seismic Resistance of a Building. <i>Procedia Engineering</i> , <b>2016</b> , 165, 883-890		7
206	Analysis of Precision of Geodetic Instruments for Investigating Vertical Displacement of Structures. <i>Procedia Engineering</i> , <b>2016</b> , 165, 906-917		8
205	Landscape Interventions and Appreciations with Program Software RO. <i>Procedia Engineering</i> , <b>2016</b> , 165, 918-925		8

204	The Comparison of Measuring and Computing Results of Construction Vertical Displacement. <i>Procedia Engineering</i> , <b>2016</b> , 165, 926-935		4
203	The Vertical Displacement Measurement of Concrete Plates with Special Emphasis on Rough Error. <i>Procedia Engineering</i> , <b>2016</b> , 165, 936-946		4
202	Evaluation of Deformations of Foundation Pit Structures and Surrounding Buildings during the Construction of the Second Scene of the State Academic Mariinsky Theatre in Saint-petersburg Considering Stage-by-stage Nature of Construction Process. <i>Procedia Engineering</i> , <b>2016</b> , 165, 1483-1489		12
201	Distance Learning System Moodle for Training of Specialists in the Field of Civil Engineering. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1611-1616	0.3	8
200	Azerbaijan Hamam, the History and Restoration Specifics. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1079-1083	0.3	
199	Fire Safeguards of Plastbau Construction. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 138-145	0.3	2
198	Increase the Energy Efficiency of the Multi-Story Apartment Building. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1395-1401	0.3	2
197	Rating Energy Efficiency and Sustainability of Buildings by International Standards. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1434-1444	0.3	3
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194	Prodrome in Experimental Investigation the Thermal Shielding Systems in Enclosure Structures. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 34-40	0.3	
193	Strength Evaluation of a Linear Extended Structure on a Statically Inhomogeneous Foundation. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 703-709	0.3	3
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185	Analysis of the Masonry Structure Calculation with Vertical Ring Beams According to European Standards. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 111-117	0.3	5
184	Reconstruction of Apartment in the Meltzer Apartment House. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1165-1170	0.3	
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181	Ice Regime for Basins and Pumped-Storage Facilities. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 270-284	0.3	
180	Improvement of the Double Skin Facades. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 41-48	0.3	4
179	Local Buckling of Cold-Formed Steel Members with Edge Stiffened Holes. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 697-702	0.3	4
178	Heterogeneous Shrinkage of High-Strength Concrete by the Volume of Large-Size Structural Elements. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 723, 445-450	0.3	3
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174	The Benefits of Authorized Training Center Autodesk for Higher Education Institutions. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1626-1633	0.3	5
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165	Daylight Factor Analysis for Different Types of Static Shading Devices: Case Study Location in Podgorica. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1150-1157	0.3	
164	Heat Balance Method Application in Building Energy Performance Simulation. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1572-1579	0.3	4
163	Cellular Automata in Modeling of Porous Building Materials and Solis Porous Media. <i>Procedia Engineering</i> , <b>2015</b> , 117, 655-662		3
162	Some Methods of Protection of Concrete and Reinforcement of Reinforced-Concrete Foundations exposed to Environmental Impacts. <i>Procedia Engineering</i> , <b>2015</b> , 117, 419-430		13
161	Masonry Construction Remedial Measures in Case of a Multi-Story Housing Facility Caused by Floor Extension Process. <i>Procedia Engineering</i> , <b>2015</b> , 117, 502-515		6
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159	The Role of the Solar Light Quantity in the Architectural Forming of Buildings. <i>Procedia Engineering</i> , <b>2015</b> , 117, 819-824		19
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156	Designing of Rehabilitations of Urban and Non-urban Roads. <i>Procedia Engineering</i> , <b>2015</b> , 117, 568-573		5
155	Calibration of the Crack Initiation Model in HDM 4 on the Highways and Primary Urban Streets Network in Macedonia. <i>Procedia Engineering</i> , <b>2015</b> , 117, 559-567		2
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152	Reducing Energy Consumption by Optimizing Thermal Losses and Measures of Energy Recovery in Preschools. <i>Procedia Engineering</i> , <b>2015</b> , 117, 919-932		10
151	Dimensioning of the Speed-Transition Lanes at the Entering Ramps on the Motorway and Urban Road Intersections. <i>Procedia Engineering</i> , <b>2015</b> , 117, 544-550		6

150	Dynamic Homogeneity and Functional Dependence on the Number of Traffic Accidents, the Role in Urban Planning. <i>Procedia Engineering</i> , <b>2015</b> , 117, 551-558		4
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148	Using Life-cycle Analysis to Assess Energy Savings Delivered by Building Insulation. <i>Procedia Engineering</i> , <b>2015</b> , 117, 1080-1089		28
147	The Water Intake Facility for Diversion HPPs in Winter Operation Conditions in an Urban Area. <i>Procedia Engineering</i> , <b>2015</b> , 117, 369-375		4
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143	Planning of the Traffic System in Urban Environments. <i>Procedia Engineering</i> , <b>2015</b> , 117, 574-579		6
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141	Prestressed Cladding Elements for Tensioned Structures. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 716-721	0.3	1
140	Development of Energy-Saving Measures for the Multi-Story Apartment Buildings. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1408-1416	0.3	1
139	Thermal Insulation Features of Residential Historical Buildings in the Case of Saint-Petersburg. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1477-1485	0.3	
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137	Ensuring the Reliability of Earth Dams in Complex Hydrogeological Conditions. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 342-348	0.3	4
136	Novice Methodology in Preserving Prestressed Cables by Injection of a Special Gel. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 584-589	0.3	
135	The Role of the State and Citizens to Improve Energy Efficiency. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1493-1498	0.3	3
134	The Increase of the Thermal Shielding Level for a Residence Building of 1-528 KP Series. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1402-1407	0.3	1
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125	Autodesk Revit - Key to Successful Training of Highly Qualified Civil Engineers. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1617-1625	0.3	15
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123	Advanced Method for Semi-Rigid Joints Design. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 710-715	0.3	3
122	Preparation, Installation and Signal Processing of Strain Gauges in Bridge Load Testing. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 903-912	0.3	3
121	Climate Changes in the Light of Relation between Highly Developed Countries and the Rest of the World. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1530-1536	0.3	
120	The Sustainable Strategy of Obsolete Building Conversion to Residential Uses. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 1199-1205	0.3	4
119	Bending of Laminated Composite Plates. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 725-726, 667-673	0.3	0
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114	Physical Modeling of Suspended Sediment Deposition in Marine Intakes of Nuclear Power Plants. <i>Procedia Engineering</i> , <b>2015</b> , 117, 32-38		24
113	Analysis of the Situation in Montenegrin Civil Engineering Sector from the Point of Application of National Regulations and the EU Technical Standards in Construction. <i>Procedia Engineering</i> , <b>2015</b> , 117, 900-910		6
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90	Distant Learning Course Energy Efficient Refurbishment Management. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 635-637, 2057-2062	0.3	19
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67	Shadowing Impact on Amount of Power Generated by Photovoltaic Modules. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 587-589, 342-347	0.3	39
66	Solar Power Opportunities in Northern Cities (Case Study of Saint-Petersburg). <i>Applied Mechanics and Materials</i> , <b>2014</b> , 587-589, 348-354	0.3	43
65	Application of Natural Zeolites for Aquatic and Air Medium Purification. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 587-589, 565-572	0.3	16
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62	Megacities Land Drainage and Land Runoff Features and Treatment. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 641-642, 409-415	0.3	28
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56	Exhibition Pavilions Car Showrooms Based on Translucent Structures: Providing Microclimatic Comfort for Clients. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 680, 467-473	0.3	2
55	Uses of Glass in Architecture: Heat Losses of Buildings Based on Translucent Structures. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 680, 481-485	0.3	12
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