

Nikolai Vatin

List of Publications by Year in descending order

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papers

6,219
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136740

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1550
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fibre-Reinforced Foamed Concretes: A Review. <i>Materials</i> , 2020, 13, 4323. | 1.3 | 90 |
| 2 | Natural Fibers as an Alternative to Synthetic Fibers in Reinforcement of Geopolymer Matrices: A Comparative Review. <i>Polymers</i> , 2021, 13, 2493. | 2.0 | 86 |
| 3 | Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. <i>Materials</i> , 2021, 14, 4264. | 1.3 | 84 |
| 4 | 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> , 2021, 14, 3549. | 1.3 | 76 |
| 5 | Predictive Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Artificial Intelligence Approaches: MLPNN, ANFIS, and GEP. <i>Materials</i> , 2021, 14, 7531. | 1.3 | 75 |
| 6 | Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. <i>Crystals</i> , 2021, 11, 232. | 1.0 | 73 |
| 7 | Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. <i>Crystals</i> , 2021, 11, 168. | 1.0 | 72 |
| 8 | Experimental Tests and Reliability Analysis of the Cracking Impact Resistance of UHPFRC. <i>Fibers</i> , 2020, 8, 74. | 1.8 | 68 |
| 9 | Acoustic Properties of Innovative Concretes: A Review. <i>Materials</i> , 2021, 14, 398. | 1.3 | 66 |
| 10 | Plastic Waste Management Strategies and Their Environmental Aspects: A Scientometric Analysis and Comprehensive Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4556. | 1.2 | 66 |
| 11 | Investigation of the Potential Use of CurauÃ; Fiber for Reinforcing Mortars. <i>Fibers</i> , 2020, 8, 69. | 1.8 | 65 |
| 12 | EOR (Oil Recovery Enhancement) Technology Using Shock Wave in the Fluid. <i>Applied Mechanics and Materials</i> , 0, 627, 297-303. | 0.2 | 61 |
| 13 | Reconstruction of administrative buildings of the 70's: The possibility of energy modernization. <i>Journal of Applied Engineering Science</i> , 2014, 12, 37-44. | 0.4 | 59 |
| 14 | Evaluation of Mode II Fracture Toughness of Hybrid Fibrous Geopolymer Composites. <i>Materials</i> , 2021, 14, 349. | 1.3 | 55 |
| 15 | Impact Performance of Steel Fiber-Reinforced Self-Compacting Concrete against Repeated Drop Weight Impact. <i>Crystals</i> , 2021, 11, 91. | 1.0 | 55 |
| 16 | Modeling of Mechanical Properties of Silica Fume-Based Green Concrete Using Machine Learning Techniques. <i>Polymers</i> , 2022, 14, 30. | 2.0 | 52 |
| 17 | Renewable Energy Sources Used to Supply Pre-School Facilities with Energy in Different Weather Conditions. <i>Applied Mechanics and Materials</i> , 0, 624, 604-612. | 0.2 | 51 |
| 18 | Application of RFID combined with blockchain technology in logistics of construction materials. <i>MATEC Web of Conferences</i> , 2018, 170, 03032. | 0.1 | 50 |

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| 19 | Fast Urban Development of Cetinje – Old Royal Capital of Montenegro. Applied Mechanics and Materials, 0, 584-586, 564-569. | 0.2 | 49 |
| 20 | The Energy-Efficient Heat Insulation Thickness for Systems of Hinged Ventilated Facades. Advanced Materials Research, 0, 941-944, 905-920. | 0.3 | 49 |
| 21 | A Critical Review on the Properties and Applications of Sulfur-Based Concrete. Materials, 2020, 13, 4712. | 1.3 | 49 |
| 22 | Solar Power Opportunities in Northern Cities (Case Study of Saint-Petersburg). Applied Mechanics and Materials, 0, 587-589, 348-354. | 0.2 | 48 |
| 23 | Improvement of Performances of the Gypsum-Cement Fiber Reinforced Composite (GCFRC). Materials, 2020, 13, 3847. | 1.3 | 48 |
| 24 | Increase of Energy Efficiency for Educational Institution Building. Advanced Materials Research, 0, 953-954, 854-870. | 0.3 | 46 |
| 25 | Concrete with Partial Substitution of Waste Glass and Recycled Concrete Aggregate. Materials, 2022, 15, 430. | 1.3 | 46 |
| 26 | Forecasting the Mechanical Properties of Plastic Concrete Employing Experimental Data Using Machine Learning Algorithms: DT, MLPNN, SVM, and RF. Polymers, 2022, 14, 1583. | 2.0 | 45 |
| 27 | Tests Results Strength and Thermophysical Properties of Aerated Concrete Block Wall Samples with the Use of Polyurethane Adhesive. Advanced Materials Research, 0, 941-944, 786-799. | 0.3 | 44 |
| 28 | Combined Effect of Multi-Walled Carbon Nanotubes, Steel Fibre and Glass Fibre Mesh on Novel Two-Stage Expanded Clay Aggregate Concrete against Impact Loading. Crystals, 2021, 11, 720. | 1.0 | 44 |
| 29 | Increase of Energy Efficiency of the Building of Kindergarten. Advanced Materials Research, 0, 953-954, 1537-1544. | 0.3 | 43 |
| 30 | Application of Soft Computing Techniques to Predict the Strength of Geopolymer Composites. Polymers, 2022, 14, 1074. | 2.0 | 43 |
| 31 | Production of Greener High-Strength Concrete Using Russian Quartz Sandstone Mine Waste Aggregates. Materials, 2020, 13, 5575. | 1.3 | 42 |
| 32 | Multi-Span Composite Timber Beams with Rational Steel Reinforcements. Buildings, 2021, 11, 46. | 1.4 | 42 |
| 33 | Hydraulic Methods for Calculation of System of Rear Ventilated Facades. Applied Mechanics and Materials, 0, 633-634, 1007-1012. | 0.2 | 41 |
| 34 | Shadowing Impact on Amount of Power Generated by Photovoltaic Modules. Applied Mechanics and Materials, 0, 587-589, 342-347. | 0.2 | 41 |
| 35 | Neural Network Prognostic Model for Predicting the Fire Resistance of Eccentrically Loaded RC Columns. Applied Mechanics and Materials, 0, 627, 276-282. | 0.2 | 41 |
| 36 | Heat Treatment of Basalt Fiber Reinforced Expanded Clay Concrete with Increased Strength for Cast-In-Situ Construction. Fibers, 2020, 8, 67. | 1.8 | 41 |

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| 37 | Palm Oil Fuel Ash-Based Eco-Efficient Concrete: A Critical Review of the Short-Term Properties. <i>Materials</i> , 2021, 14, 332. | 1.3 | 41 |
| 38 | Reinforced Soil Beds on Weak Soils. <i>Applied Mechanics and Materials</i> , 0, 633-634, 932-935. | 0.2 | 40 |
| 39 | Effect of Steel Fiber on the Strength and Flexural Characteristics of Coconut Shell Concrete Partially Blended with Fly Ash. <i>Materials</i> , 2022, 15, 4272. | 1.3 | 40 |
| 40 | Thermophysical field testing of residential buildings made of autoclaved aerated concrete blocks. <i>Magazine of Civil Engineering</i> , 2016, 64, 10-25. | 1.9 | 39 |
| 41 | Replacing E-waste with coarse aggregate in architectural engineering and construction industry. <i>Materials Today: Proceedings</i> , 2022, 56, 2353-2358. | 0.9 | 39 |
| 42 | Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. <i>Crystals</i> , 2021, 11, 695. | 1.0 | 38 |
| 43 | Influence of building envelope thermal protection on heat loss value in the building. <i>Magazine of Civil Engineering</i> , 2012, 34, 4-14. | 1.9 | 38 |
| 44 | Fluorescent spectroscopy features in the study of green leaves of plants. <i>Journal of Physics: Conference Series</i> , 2017, 929, 012021. | 0.3 | 37 |
| 45 | Development and Competitiveness Improvement of the Construction Sector in Montenegro. <i>Applied Mechanics and Materials</i> , 2014, 638-640, 2465-2470. | 0.2 | 36 |
| 46 | Physical-Mechanical Properties of the Modified Fine-Grained Concrete Subjected to Thermal Effects up to 200°C. <i>Applied Mechanics and Materials</i> , 0, 633-634, 1013-1017. | 0.2 | 36 |
| 47 | Ultra-High-Performance Concrete (UHPC): A State-of-the-Art Review. <i>Materials</i> , 2022, 15, 4131. | 1.3 | 35 |
| 48 | Relevance of Education in Construction Safety Area. <i>Applied Mechanics and Materials</i> , 0, 635-637, 2085-2089. | 0.2 | 34 |
| 49 | Long-term durability properties of geopolymer concrete: An in-depth review. <i>Case Studies in Construction Materials</i> , 2021, 15, e00661. | 0.8 | 34 |
| 50 | Use of ashes and ash-and-slag wastes in construction. <i>Magazine of Civil Engineering</i> , 2011, 22, 16-21. | 1.9 | 34 |
| 51 | Experimental Research of a Highly Compacted Soil Beds. <i>Applied Mechanics and Materials</i> , 0, 633-634, 1082-1085. | 0.2 | 33 |
| 52 | Modern Business Strategy Customer Relationship Management in the Area of Civil Engineering. <i>Applied Mechanics and Materials</i> , 0, 678, 644-647. | 0.2 | 33 |
| 53 | Using Life-cycle Analysis to Assess Energy Savings Delivered by Building Insulation. <i>Procedia Engineering</i> , 2015, 117, 1080-1089. | 1.2 | 33 |
| 54 | Modeling a set of concrete strength in the program ELCUT at warming of monolithic structures by wire. <i>Magazine of Civil Engineering</i> , 2015, 54, 33-45. | 1.9 | 33 |

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| 55 | Comparative Analysis of Waste Materials for Their Potential Utilization in Green Concrete Applications. <i>Materials</i> , 2022, 15, 4180. | 1.3 | 33 |
| 56 | Megacities Land Drainage and Land Runoff Features and Treatment. <i>Applied Mechanics and Materials</i> , 0, 641-642, 409-415. | 0.2 | 32 |
| 57 | Thin-Walled Cross-Sections and their Joints: Tests and FEM-Modelling. <i>Advanced Materials Research</i> , 0, 945-949, 1211-1215. | 0.3 | 32 |
| 58 | Activities of Civil Engineering Institute to Attract Foreign Students for Training in Civil Engineering Programs. <i>Applied Mechanics and Materials</i> , 2014, 635-637, 2076-2080. | 0.2 | 32 |
| 59 | Photosensitivity of structures based on AlIBIII 2CVI 4 monocrystals. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012100. | 0.3 | 32 |
| 60 | Improved numerical methods in reliability analysis of suspension roof joints. <i>Magazine of Civil Engineering</i> , 2016, 65, 27-41. | 1.9 | 32 |
| 61 | Prediction of Compressive Strength of Sustainable Foam Concrete Using Individual and Ensemble Machine Learning Approaches. <i>Materials</i> , 2022, 15, 3166. | 1.3 | 32 |
| 62 | Self-Healing Concrete as a Prospective Construction Material: A Review. <i>Materials</i> , 2022, 15, 3214. | 1.3 | 32 |
| 63 | Problems of Cold-Bent Notched C-Shaped Profile Members. <i>Advanced Materials Research</i> , 2014, 941-944, 1871-1875. | 0.3 | 31 |
| 64 | The Strength and Strain of High-strength Concrete Elements with Confinement and Steel Fiber Reinforcement Including the Conditions of the Effect of Elevated Temperatures. <i>Procedia Engineering</i> , 2015, 117, 970-979. | 1.2 | 31 |
| 65 | Problems of Sub-Mountain Area Development Associated with Collapsing Loess Soils (Case of) Tj ETQq1 1 0.784314, rgBT / Overlock 10 | 0.2 | 30 |
| 66 | Properties of the wall structures made of autoclaved cellular concrete products on the polyurethane foam adhesive. <i>Magazine of Civil Engineering</i> , 2013, 40, 5-19. | 1.9 | 30 |
| 67 | Fire design of arch-type timber roof. <i>Magazine of Civil Engineering</i> , 2016, 64, 26-39. | 1.9 | 30 |
| 68 | A Sustainable Reuse of Agro-Industrial Wastes into Green Cement Bricks. <i>Materials</i> , 2022, 15, 1713. | 1.3 | 30 |
| 69 | Enhancing the Impact Strength of Prepacked Aggregate Fibrous Concrete Using Asphalt-Coated Aggregates. <i>Materials</i> , 2022, 15, 2598. | 1.3 | 30 |
| 70 | Central Ventilation System with Heat Recovery as One of the Measures to Upgrade Energy Efficiency of Historic Buildings. <i>Applied Mechanics and Materials</i> , 2014, 633-634, 1077-1081. | 0.2 | 29 |
| 71 | Energy Consumption Modelling via Heat Balance Method For Energy Performance of a Building. <i>Procedia Engineering</i> , 2015, 117, 786-794. | 1.2 | 29 |
| 72 | Wave Theory of Seismic Resistance of Underground Pipelines. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1797. | 1.3 | 29 |

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| 73 | Numerical Investigations of Notched C-Profile Compressed Members with Initial Imperfections. Magazine of Civil Engineering, 2016, 62, 92-101. | 1.9 | 29 |
| 74 | Artificial Neural Network-Forecasted Compression Strength of Alkaline-Activated Slag Concretes. Sustainability, 2022, 14, 5214. | 1.6 | 29 |
| 75 | Physical Modeling of Suspended Sediment Deposition in Marine Intakes of Nuclear Power Plants. Procedia Engineering, 2015, 117, 32-38. | 1.2 | 28 |
| 76 | Capacity to Develop Recycled Aggregate Concrete in South East Asia. Buildings, 2021, 11, 234. | 1.4 | 28 |
| 77 | Artificial Neural Network with a Cross-Validation Technique to Predict the Material Design of Eco-Friendly Engineered Geopolymer Composites. Materials, 2022, 15, 3443. | 1.3 | 28 |
| 78 | Development of the Capital Cetinje Surrounded by of Centuries-Old Coastal Towns of the Southern Adriatic Sea. Applied Mechanics and Materials, 0, 641-642, 634-638. | 0.2 | 27 |
| 79 | Academy of Construction for University Applicants as a Tool of University Online Marketing. Applied Mechanics and Materials, 0, 635-637, 2090-2094. | 0.2 | 27 |
| 80 | Fine-grained concrete with combined reinforcement by different types of fibers. MATEC Web of Conferences, 2018, 245, 03006. | 0.1 | 27 |
| 81 | Predicting the Ultimate Axial Capacity of Uniaxially Loaded CFST Columns Using Multiphysics Artificial Intelligence. Materials, 2022, 15, 39. | 1.3 | 27 |
| 82 | Hybrid Photovoltaic-Diesel Energy System Optimization (Case Study of Electric Power Supply for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 357-364. | 0.2 | 26 |
| 83 | Simulation of non-stationary heat transfer processes in autoclaved aerated concrete-walls. Magazine of Civil Engineering, 2014, 52, 38-48. | 1.9 | 26 |
| 84 | Recent Trends in Advanced Radiation Shielding Concrete for Construction of Facilities: Materials and Properties. Polymers, 2022, 14, 2830. | 2.0 | 26 |
| 85 | Simulation of Cold-Formed Steel Beams in Global and Distortional Buckling. Applied Mechanics and Materials, 0, 633-634, 1037-1041. | 0.2 | 25 |
| 86 | The Use of Decentralized Ventilation Systems with Heat Recovery in the Historical Buildings of St. Petersburg. Applied Mechanics and Materials, 0, 635-637, 370-376. | 0.2 | 25 |
| 87 | Development of Bacterium for Crack Healing and Improving Properties of Concrete under Wet and Full-Wet Curing. Sustainability, 2020, 12, 10346. | 1.6 | 25 |
| 88 | Thermal Performance of Structural Lightweight Concrete Composites for Potential Energy Saving. Crystals, 2021, 11, 461. | 1.0 | 25 |
| 89 | Forecasting Strength of CFRP Confined Concrete Using Multi Expression Programming. Materials, 2021, 14, 7134. | 1.3 | 25 |
| 90 | Critical Factors Influencing the Performance of Highway Projects: An Empirical Evaluation. Buildings, 2022, 12, 849. | 1.4 | 25 |

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| 91 | Analysis of the Influence of Dynamic Properties of Structures on Seismic Response According to Montenegrin and European Regulations. Applied Mechanics and Materials, 0, 633-634, 1069-1076. | 0.2 | 24 |
| 92 | Experimental Analysis of the Stress State of a Prestressed Cylindrical Shell with Various Structural Parameters. Materials, 2022, 15, 4996. | 1.3 | 24 |
| 93 | Renovation of Educational Buildings to Increase Energy Efficiency. Applied Mechanics and Materials, 2014, 633-634, 1023-1028. | 0.2 | 23 |
| 94 | Highly Compacted and Reinforced Soil Beds as an Efficient Method to Build Artificial Foundation Based on Weak Soils. Applied Mechanics and Materials, 2014, 680, 474-480. | 0.2 | 23 |
| 95 | Experimental Investigation and Image Processing to Predict the Properties of Concrete with the Addition of Nano Silica and Rice Husk Ash. Crystals, 2021, 11, 1230. | 1.0 | 23 |
| 96 | Predicting the Splitting Tensile Strength of Recycled Aggregate Concrete Using Individual and Ensemble Machine Learning Approaches. Crystals, 2022, 12, 569. | 1.0 | 23 |
| 97 | Distant Learning Course "Energy Efficient Refurbishment Management". Applied Mechanics and Materials, 2014, 635-637, 2057-2062. | 0.2 | 22 |
| 98 | Double Skin Facades in Energy Efficient Design. Applied Mechanics and Materials, 2014, 680, 534-538. | 0.2 | 21 |
| 99 | 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. Procedia Engineering, 2016, 165, 1483-1489. | 1.2 | 21 |
| 100 | Rheological Behavior and Strength Characteristics of Cement Paste and Mortar with Fly Ash and GGBS Admixtures. Sustainability, 2021, 13, 9600. | 1.6 | 21 |
| 101 | Impact Response of Preplaced Aggregate Fibrous Concrete Hammerhead Pier Beam Designed with Topology Optimization. Crystals, 2021, 11, 147. | 1.0 | 21 |
| 102 | Development and verification of multiblock computational technologies for solution of unsteady problems of high building aerodynamics in the framework of URANS approach. Magazine of Civil Engineering, 2013, 36, 103-109. | 1.9 | 21 |
| 103 | Problems and methods of numerical and experimental investigation of high rise constructions' aerodynamics in the coastal region "sea-land". Magazine of Civil Engineering, 2013, 37, 54-61. | 1.9 | 21 |
| 104 | Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. Materials, 2021, 14, 7074. | 1.3 | 21 |
| 105 | Flexural Strength of Concrete Beam Reinforced with CFRP Bars: A Review. Materials, 2022, 15, 1144. | 1.3 | 21 |
| 106 | Numerical Modeling of Thermogravitational Convection in Air Gap of System of Rear Ventilated Facades. Applied Mechanics and Materials, 2014, 672-674, 1903-1908. | 0.2 | 20 |
| 107 | Kabul River Flow Prediction Using Automated ARIMA Forecasting: A Machine Learning Approach. Sustainability, 2021, 13, 10720. | 1.6 | 20 |
| 108 | Specifics of surface runoff contents and treatment in large cities. Magazine of Civil Engineering, 2014, 50, 67-74. | 1.9 | 20 |

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| 109 | Experimental Study on Self Compacting Fibrous Concrete Comprising Magnesium Sulphate Solution Treated Recycled Aggregates. <i>Materials</i> , 2022, 15, 340. | 1.3 | 20 |
| 110 | Impact Resistance of Polypropylene Fibre-Reinforced Alkali-Activated Copper Slag Concrete. <i>Materials</i> , 2021, 14, 7735. | 1.3 | 20 |
| 111 | Advanced Machine Learning Modeling Approach for Prediction of Compressive Strength of FRP Confined Concrete Using Multiphysics Genetic Expression Programming. <i>Polymers</i> , 2022, 14, 1789. | 2.0 | 20 |
| 112 | Energy Saving at Home. <i>Applied Mechanics and Materials</i> , 2014, 672-674, 550-553. | 0.2 | 19 |
| 113 | Choosing the Right Type of Windows to Improve Energy Efficiency of Buildings. <i>Applied Mechanics and Materials</i> , 0, 633-634, 972-976. | 0.2 | 19 |
| 114 | A Relation between Function and Architectural Form in the Observers Perception. <i>Applied Mechanics and Materials</i> , 0, 680, 494-498. | 0.2 | 19 |
| 115 | Decentralized Ventilation Systems with Exhaust Air Heat Recovery in the Case of Residential Buildings. <i>Applied Mechanics and Materials</i> , 0, 680, 524-528. | 0.2 | 19 |
| 116 | The Role of the Solar Light Quantity in the Architectural Forming of Buildings. <i>Procedia Engineering</i> , 2015, 117, 819-824. | 1.2 | 19 |
| 117 | Design Efficiency, Characteristics, and Utilization of Reinforced Foamed Concrete: A Review. <i>Crystals</i> , 2020, 10, 948. | 1.0 | 19 |
| 118 | Structural Behavior of Fibrous-Ferrocement Panel Subjected to Flexural and Impact Loads. <i>Materials</i> , 2020, 13, 5648. | 1.3 | 19 |
| 119 | Sound-Absorbing Acoustic Concretes: A Review. <i>Sustainability</i> , 2021, 13, 10712. | 1.6 | 19 |
| 120 | A Step towards Concrete with Partial Substitution of Waste Glass (WG) in Concrete: A Review. <i>Materials</i> , 2022, 15, 2525. | 1.3 | 19 |
| 121 | Impact Resistance of Functionally Layered Two-Stage Fibrous Concrete. <i>Fibers</i> , 2021, 9, 88. | 1.8 | 19 |
| 122 | Drop Weight Impact Test on Prepacked Aggregate Fibrous Concrete—An Experimental Study. <i>Materials</i> , 2022, 15, 3096. | 1.3 | 19 |
| 123 | Application of Natural Zeolites for Aquatic and Air Medium Purification. <i>Applied Mechanics and Materials</i> , 2014, 587-589, 565-572. | 0.2 | 18 |
| 124 | Suppression of the Karman vortex street and reduction in the frontal drag of a circular cylinder with two vortex cells. <i>Technical Physics Letters</i> , 2014, 40, 653-656. | 0.2 | 18 |
| 125 | The Mechanical Properties of Masonry Walls - Analysis of the Test Results. <i>Procedia Engineering</i> , 2015, 117, 865-873. | 1.2 | 18 |
| 126 | Nonlinear oscillations of a viscoelastic cylindrical panel with concentrated masses. <i>MATEC Web of Conferences</i> , 2018, 245, 01001. | 0.1 | 18 |

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| 127 | Processing of Signals Produced by Strain Gauges in Testing Measurements of the Bridges. Procedia Engineering, 2015, 117, 795-801. | 1.2 | 17 |
| 128 | Using the Big Bang “ Big Crunch Algorithm for Rational Design of an Energy-Plus Building. Procedia Engineering, 2015, 117, 911-918. | 1.2 | 17 |
| 129 | To Calculation of Rectangular Plates on Periodic Oscillations. MATEC Web of Conferences, 2018, 245, 01003. | 0.1 | 17 |
| 130 | Modification of the cast concrete mixture by air-entraining agents. Magazine of Civil Engineering, 2015, 56, 3-10. | 1.9 | 17 |
| 131 | Residual Impact Performance of ECC Subjected to Sub-High Temperatures. Materials, 2022, 15, 454. | 1.3 | 17 |
| 132 | Mathematical Model of Deformation of the River Channel in the Area of the Damless Water Intake. Lecture Notes in Civil Engineering, 2022, , 1-15. | 0.3 | 17 |
| 133 | Waste Foundry Sand in Concrete Production Instead of Natural River Sand: A Review. Materials, 2022, 15, 2365. | 1.3 | 17 |
| 134 | Energy Efficiency of Facades at Major Repairs of Buildings. Applied Mechanics and Materials, 2014, 633-634, 991-996. | 0.2 | 16 |
| 135 | Development of the Ventilation System in Historical Buildings of St. Petersburg. Applied Mechanics and Materials, 0, 633-634, 977-981. | 0.2 | 16 |
| 136 | Centralized Natural Exhaust Ventilation Systems Use in Multi-Story Residential Buildings. Applied Mechanics and Materials, 2014, 680, 529-533. | 0.2 | 16 |
| 137 | Autodesk Revit - Key to Successful Training of Highly Qualified Civil Engineers. Applied Mechanics and Materials, 2015, 725-726, 1617-1625. | 0.2 | 16 |
| 138 | Processes at Water Intake from Mountain Rivers into Hydropower and Irrigation Systems. MATEC Web of Conferences, 2016, 73, 01006. | 0.1 | 16 |
| 139 | Effect of Needle Type, Number of Layers on FPAFC Composite against Low-Velocity Projectile Impact. Buildings, 2021, 11, 668. | 1.4 | 16 |
| 140 | Influence of the Geometrical Values of Hollowness on the Physicotechnical Characteristics of the Concrete Vibropressed Wall Stones. Applied Mechanics and Materials, 2014, 584-586, 1381-1387. | 0.2 | 15 |
| 141 | Research on Industrial Exhibitions Architecture. Applied Mechanics and Materials, 2014, 680, 504-509. | 0.2 | 15 |
| 142 | Analysis of the mode of squeezing out excess water for mixing concrete mixture in the process of peristaltic compaction. IOP Conference Series: Materials Science and Engineering, 2021, 1030, 012021. | 0.3 | 15 |
| 143 | PREDICTION OF BEHAVIOUR OF PRESTRESSED SUSPENSION BRIDGE WITH TIMBER DECK PANELS. Baltic Journal of Road and Bridge Engineering, 2017, 12, 234-240. | 0.4 | 15 |
| 144 | Possible applications of clinoptilolites for natural water purification. Magazine of Civil Engineering, 2013, 37, 81-88. | 1.9 | 15 |

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| 145 | Improving the Early Properties of Treated Soft Kaolin Clay with Palm Oil Fuel Ash and Gypsum. Sustainability, 2021, 13, 10910. | 1.6 | 15 |
| 146 | The Effect of Superabsorbent Polymer and Nano-Silica on the Properties of Blended Cement. Crystals, 2021, 11, 1394. | 1.0 | 15 |
| 147 | Mechanical Properties of High-Performance Hybrid Fibre-Reinforced Concrete at Elevated Temperatures. Sustainability, 2021, 13, 13392. | 1.6 | 15 |
| 148 | Response of Functionally Graded Preplaced Aggregate Fibrous Concrete with Superior Impact Strength. Buildings, 2022, 12, 563. | 1.4 | 15 |
| 149 | Risk Assessment for a Main Pipeline under Severe Soil Conditions on Exposure to Seismic Forces. Applied Mechanics and Materials, 2014, 635-637, 468-471. | 0.2 | 14 |
| 150 | Some Methods of Protection of Concrete and Reinforcement of Reinforced-Concrete Foundations exposed to Environmental Impacts. Procedia Engineering, 2015, 117, 419-430. | 1.2 | 14 |
| 151 | Experimental Investigation on Composite Deck Slab Made of Cold-Formed Profiled Steel Sheeting. Metals, 2021, 11, 229. | 1.0 | 14 |
| 152 | Long-Term Properties of Different Fiber Reinforcement Effect on Fly Ash-Based Geopolymer Composite. Crystals, 2021, 11, 760. | 1.0 | 14 |
| 153 | Repeated Drop-Weight Impact Testing of Fibrous Concrete: State-Of-The-Art Literature Review, Analysis of Results Variation and Test Improvement Suggestions. Materials, 2022, 15, 3948. | 1.3 | 14 |
| 154 | Development of High-Strength Geopolymer Concrete Incorporating High-Volume Copper Slag and Micro Silica. Sustainability, 2022, 14, 7601. | 1.6 | 14 |
| 155 | Destructive and Non-Destructive Testing of the Performance of Copper Slag Fiber-Reinforced Concrete. Materials, 2022, 15, 4536. | 1.3 | 14 |
| 156 | Analysis of the Real Estate Market of St. Petersburg. Applied Mechanics and Materials, 0, 638-640, 2460-2464. | 0.2 | 13 |
| 157 | Education in the Field of Construction of Unique, High-Rise and Long-Span Buildings and Constructions. Advanced Materials Research, 0, 1065-1069, 2459-2462. | 0.3 | 13 |
| 158 | Drag reduction of energy-efficient buildings and wind energy extraction due to bleeding effect. High Temperature, 2015, 53, 873-876. | 0.1 | 13 |
| 159 | Design Energy-Plus-House for the Climatic Conditions of Macedonia. Procedia Engineering, 2015, 117, 766-774. | 1.2 | 13 |
| 160 | Results of the Admission Campaign: Which is the Future Specialist in the Field of Civil Engineering?. Applied Mechanics and Materials, 2015, 725-726, 1640-1645. | 0.2 | 13 |
| 161 | Behaviour analysis of load-bearing aluminium members. Magazine of Civil Engineering, 2015, 57, 86-96. | 1.9 | 13 |
| 162 | Soil Injection Technology Using an Expandable Polyurethane Resin: A Review. Polymers, 2021, 13, 3666. | 2.0 | 13 |

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