

# Roman Fediuk

## List of Publications by Year in descending order

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248  
papers

6,020  
citations

69737

41  
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115152

63  
g-index

256  
all docs

256  
docs citations

256  
times ranked

7545  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Developing, implementing, and evaluating the visiting Neighbors™ program in rural Appalachia: A quality improvement protocol. PLoS ONE, 2024, 19, e0296438.  | 2.5  | 0         |
| 2  | Composite binders based on technogenic raw materials. Russian Automobile and Highway Industry Journal, 2024, 21, 134-148.  | 0.4  | 0         |
| 3  | High workability cement materials. Transportnye Sooruzeniya, 2024, 10, .   | 0.2  | 0         |
| 4  | Printability region for 3D-printable engineered cementitious composites (3DP-ECC). Cement and Concrete Composites, 2024, 151, 105599.  | 10.8 | 1         |
| 5  | Influence of Iron-Containing Components on the Curing and Hardening Properties of Magnesium Oxychloride Binders. Journal of Materials in Civil Engineering, 2024, 36, .                                    | 3.0  | 0         |
| 6  | Experimental research of the stress-strain state of prestressed cylindrical shells taking into account temperature effects. Case Studies in Construction Materials, 2023, 18, e01776.                      | 1.7  | 3         |
| 7  | A compendious review on the influence of e-waste aggregates on the properties of concrete. Case Studies in Construction Materials, 2023, 18, e01740.   | 1.7  | 11        |
| 8  | Evaluation of Some Composite Paint Coatings™ Appearance Quality Using Fractal Dimension. Journal of Composites Science, 2023, 7, 9.  | 3.1  | 3         |
| 9  | Study of the model of the phase transition envelope taking into account the process of thermal storage under natural draft and by air injection. Case Studies in Construction Materials, 2023, 18, e02050. | 1.7  | 5         |
| 10 | Nanomodified Basalt Fiber Cement Composite with Bottom Ash. Journal of Composites Science, 2023, 7, 96.  | 3.1  | 2         |
| 11 | Polarization-insensitive Archimedes™-spiral-shaped ultrathin metamaterial absorbers for microwave sensing application. Scientific Reports, 2023, 13, .   | 3.4  | 6         |
| 12 | Advanced interactions of cement-based materials with microorganisms: A review and future perspective. Journal of Building Engineering, 2022, 45, 103458.   | 3.5  | 7         |
| 13 | Four-component high-strength polymineral binders. Construction and Building Materials, 2022, 316, 125934.  | 7.2  | 15        |
| 14 | Fiber-reinforced alkali-activated concrete: A review. Journal of Building Engineering, 2022, 45, 103638.   | 3.5  | 75        |
| 15 | Durability of geopolymers with industrial waste. Case Studies in Construction Materials, 2022, 16, e00839.   | 1.7  | 28        |
| 16 | 3D-printable alkali-activated concretes for building applications: A critical review. Construction and Building Materials, 2022, 319, 126126.  | 7.2  | 45        |
| 17 | Concrete with Partial Substitution of Waste Glass and Recycled Concrete Aggregate. Materials, 2022, 15, 430.   | 3.0  | 56        |
| 18 | Processing of Waste from Enrichment with the Production of Cement Clinker and the Extraction of Zinc. Materials, 2022, 15, 324.  | 3.0  | 24        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Flexural Strength of Concrete Beam Reinforced with CFRP Bars: A Review. <i>Materials</i> , 2022, 15, 1144.  | 3.0 | 29        |
| 20 | Potential of Using Amazon Natural Fibers to Reinforce Cementitious Composites: A Review. <i>Polymers</i> , 2022, 14, 647.   | 4.6 | 37        |
| 21 | A Sustainable Reuse of Agro-Industrial Wastes into Green Cement Bricks. <i>Materials</i> , 2022, 15, 1713.  | 3.0 | 33        |
| 22 | The Effect of POFA-Gypsum Binary Mixture Replacement on the Performance of Mechanical and Microstructural Properties Enhancements of Clays. <i>Materials</i> , 2022, 15, 1532.  | 3.0 | 7         |
| 23 | Compaction Characteristics and Permeability of Expansive Shale Stabilized with Locally Produced Waste Materials. <i>Materials</i> , 2022, 15, 2138.   | 3.0 | 4         |
| 24 | Study of the Properties of Antifriction Rings under Severe Plastic Deformation. <i>Materials</i> , 2022, 15, 2584.  | 3.0 | 26        |
| 25 | Modeling of Non-Ferrous Metallurgy Waste Disposal with the Production of Iron Silicides and Zinc Distillation. <i>Materials</i> , 2022, 15, 2542.   | 3.0 | 30        |
| 26 | Climate-Adaptive Façades with an Air Chamber. <i>Buildings</i> , 2022, 12, 366.   | 3.2 | 10        |
| 27 | Numerical Analysis of Piled-Raft Foundations on Multi-Layer Soil Considering Settlement and Swelling. <i>Buildings</i> , 2022, 12, 356.   | 3.2 | 7         |
| 28 | Reliability Analysis of Reinforced Concrete Structure with Shock Absorber Damper under Pseudo-Dynamic Loads. <i>Materials</i> , 2022, 15, 2688.   | 3.0 | 6         |
| 29 | Recycled PET Sand for Cementitious Mortar. <i>Materials</i> , 2022, 15, 273.  | 3.0 | 14        |
| 30 | Hybrid Bayesian Network Models to Investigate the Impact of Built Environment Experience before Adulthood on Students'™ Tolerable Travel Time to Campus: Towards Sustainable Commute Behavior. <i>Sustainability</i> , 2022, 14, 325. | 3.3 | 10        |
| 31 | Mixed Finite Element Formulation for Navier–Stokes Equations for Magnetic Effects on Biomagnetic Fluid in a Rectangular Channel. <i>Materials</i> , 2022, 15, 2865.   | 3.0 | 9         |
| 32 | Improvement of technical means for recycling of technogenic waste to construction fiber. Case Studies in Construction Materials, 2022, 16, e01071.  | 1.7 | 4         |
| 33 | Improving the Durability of Lime Finishing Mortars by Modifying Them with Silicic Acid Sol. <i>Materials</i> , 2022, 15, 2360.  | 3.0 | 7         |
| 34 | Artificial Neural Network-Forecasted Compression Strength of Alkaline-Activated Slag Concretes. <i>Sustainability</i> , 2022, 14, 5214.   | 3.3 | 31        |
| 35 | Self-Healing Concrete as a Prospective Construction Material: A Review. <i>Materials</i> , 2022, 15, 3214.  | 3.0 | 49        |
| 36 | Drop Weight Impact Test on Prepacked Aggregate Fibrous Concrete—An Experimental Study. <i>Materials</i> , 2022, 15, 3096.   | 3.0 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Cyclically Loaded Copper Slag Admixed Reinforced Concrete Beams with Cement Partially Replaced with Fly Ash. <i>Materials</i> , 2022, 15, 3101.   | 3.0 | 17        |
| 38 | Removing Pollutants from Sewage Waters with Ground Apricot Kernel Shell Material. <i>Materials</i> , 2022, 15, 3428.  | 3.0 | 9         |
| 39 | An ultra-lightweight cellular concrete for geotechnical applications – A review. <i>Case Studies in Construction Materials</i> , 2022, 16, e01096.  | 1.7 | 5         |
| 40 | Phase formation of mortar using technogenic fibrous materials. <i>Case Studies in Construction Materials</i> , 2022, 16, e01099.  | 1.7 | 0         |
| 41 | Impact Resistance of the Cement–Mortar Composite Modified with SiO <sub>2</sub> Nanoparticles and Microfiber. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .                | 3.0 | 3         |
| 42 | Fresh and mechanical properties of low-cement mortars for 3D printing. <i>Construction and Building Materials</i> , 2022, 338, 127644.  | 7.2 | 14        |
| 43 | Utilization of recycled carbon fiber reinforced polymer in cementitious composites: A critical review. <i>Journal of Building Engineering</i> , 2022, 53, 104583.                           | 3.5 | 20        |
| 44 | Retrofitting RC beams using high-early strength alkali-activated concrete. <i>Case Studies in Construction Materials</i> , 2022, 17, e01194.  | 1.7 | 5         |
| 45 | Performance of Steel-Bolt-Connected Industrialized Building System Frame Subjected to Hydrodynamic Force. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5093.                           | 2.6 | 2         |
| 46 | Numerical Analysis of Shallow Foundations with Varying Loading and Soil Conditions. <i>Buildings</i> , 2022, 12, 693.   | 3.2 | 7         |
| 47 | Effect of polydisperse reinforcement on the fresh and physical-mechanical properties of self-compacting concrete. <i>Case Studies in Construction Materials</i> , 2022, 17, e01188.         | 1.7 | 2         |
| 48 | Hardening of Bimetallic Wires from Secondary Materials Used in the Construction of Power Lines. <i>Materials</i> , 2022, 15, 3975.  | 3.0 | 26        |
| 49 | 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.                             | 3.0 | 46        |
| 50 | Effects of Admixtures on Energy Consumption in the Process of Ready-Mixed Concrete Mixing. <i>Materials</i> , 2022, 15, 4143.   | 3.0 | 8         |
| 51 | Influence of Impurities on the Process of Obtaining Calcium Carbonate during the Processing of Phosphogypsum. <i>Materials</i> , 2022, 15, 4335.  | 3.0 | 10        |
| 52 | Cement Matrix Modified by Mesoporous Silica of the MCM-41 Structure Type: Early-Age Properties and Microstructure Evolution. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, . | 3.0 | 1         |
| 53 | Destructive and Non-Destructive Testing of the Performance of Copper Slag Fiber-Reinforced Concrete. <i>Materials</i> , 2022, 15, 4536.   | 3.0 | 16        |
| 54 | Experimental Analysis of the Stress State of a Prestressed Cylindrical Shell with Various Structural Parameters. <i>Materials</i> , 2022, 15, 4996.   | 3.0 | 25        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Mechanical Feasibility Study of Pressed and Burned Red Ceramic Blocks as Structural and Sealing Masonry. <i>Materials</i> , 2022, 15, 5004.   | 3.0 | 3         |
| 56 | Structural Formation of Soil Concretes Based on Loam and Fly Ash, Modified with a Stabilizing Polymer Additive. <i>Materials</i> , 2022, 15, 4893.  | 3.0 | 4         |
| 57 | Recent Trends in Advanced Radiation Shielding Concrete for Construction of Facilities: Materials and Properties. <i>Polymers</i> , 2022, 14, 2830.  | 4.6 | 40        |
| 58 | Development of a Thermomechanical Treatment Mode for Stainless-Steel Rings. <i>Materials</i> , 2022, 15, 4930.  | 3.0 | 24        |
| 59 | Employing an Artificial Neural Network in Correlating a Hydrogen-Selective Catalytic Reduction Performance with Crystallite Sizes of a Biomass-Derived Bimetallic Catalyst. <i>Catalysts</i> , 2022, 12, 779.       | 3.6 | 13        |
| 60 | Effect of Design Parameters on the Flexural Strength of Reinforced Concrete Sandwich Beams. <i>Crystals</i> , 2022, 12, 1021.   | 2.3 | 6         |
| 61 | Technogenic Fiber Wastes for Optimizing Concrete. <i>Materials</i> , 2022, 15, 5058.  | 3.0 | 9         |
| 62 | Performance Investigation of the Incorporation of Ground Granulated Blast Furnace Slag with Fly Ash in Autoclaved Aerated Concrete. <i>Crystals</i> , 2022, 12, 1024.   | 2.3 | 12        |
| 63 | Porous Fly Ash/Aluminosilicate Microspheres-Based Composites Containing Lightweight Granules Using Liquid Glass as Binder. <i>Polymers</i> , 2022, 14, 3461.  | 4.6 | 11        |
| 64 | Analysis of Stress-Strain State for a Cylindrical Tank Wall Defected Zone. <i>Materials</i> , 2022, 15, 5732.   | 3.0 | 22        |
| 65 | Cementitious Grouts for Semi-Flexible Pavement Surfaces—A Review. <i>Materials</i> , 2022, 15, 5466.  | 3.0 | 17        |
| 66 | Improving the Performances of a Mortar for 3D Printing by Mineral Modifiers. <i>Buildings</i> , 2022, 12, 1181.   | 3.2 | 10        |
| 67 | Influence of height and weight of drop hammer on impact strength and fracture toughness of two-stage fibrous concrete comprising nano carbon tubes. <i>Construction and Building Materials</i> , 2022, 349, 128782. | 7.2 | 24        |
| 68 | Analysis of a Stress-Strain State of a Cylindrical Tank Wall Vertical Field Joint Zone. <i>Buildings</i> , 2022, 12, 1445.  | 3.2 | 19        |
| 69 | Demolition Waste Potential for Completely Cement-Free Binders. <i>Materials</i> , 2022, 15, 6018.   | 3.0 | 17        |
| 70 | Structural Formation of Alkali-Activated Materials Based on Thermally Treated Marl and Na <sub>2</sub> SiO <sub>3</sub> . <i>Materials</i> , 2022, 15, 6576.  | 3.0 | 1         |
| 71 | Coal Ash Enrichment with Its Full Use in Various Areas. <i>Materials</i> , 2022, 15, 6610.  | 3.0 | 3         |
| 72 | Recycling of Cement Industry Waste for Alkali-Activated Materials Production. <i>Materials</i> , 2022, 15, 6660.  | 3.0 | 3         |

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|----|--|-----|-----------|
| 73 | Thermodynamic Simulation of Environmental and Population Protection by Utilization of Technogenic Tailings of Enrichment. <i>Materials</i> , 2022, 15, 6980.                               | 3.0 | 24        |
| 74 | Recyclable Materials for Ecofriendly Technology. <i>Materials</i> , 2022, 15, 7133.  | 3.0 | 13        |
| 75 | Properties and performance of polypropylene fibered high-strength concrete with an improved composite binders. <i>Case Studies in Construction Materials</i> , 2022, 17, e01621.           | 1.7 | 3         |
| 76 | Sustainable development of basalt fiber-reinforced high-strength eco-friendly concrete with a modified composite binder. <i>Case Studies in Construction Materials</i> , 2022, 17, e01550. | 1.7 | 3         |
| 77 | Studies of the Application of Electrically Conductive Composite Copper Films to Cotton Fabrics. <i>Journal of Composites Science</i> , 2022, 6, 349.                                       | 3.1 | 2         |
| 78 | Seismic Composite Metamaterial: A Review. <i>Journal of Composites Science</i> , 2022, 6, 348.   | 3.1 | 4         |
| 79 | REINFORCEMENT OF CONSTRUCTION OF UNDERGROUND STRUCTURES WITH SHOTCRETE. <i>Construction Materials and Products</i> , 2022, 5, 5-18.  | 0.5 | 2         |
| 80 | AIM2 inflammasome mediates hallmark neuropathological alterations and cognitive impairment in a mouse model of vascular dementia. <i>Molecular Psychiatry</i> , 2021, 26, 4544-4560.       | 8.2 | 83        |
| 81 | Structural behavior of out-of-plane loaded precast lightweight EPS-foam concrete C-shaped slabs. <i>Journal of Building Engineering</i> , 2021, 33, 101597.                                | 3.5 | 14        |
| 82 | Effect of hydrothermal nanosilica on the performances of cement concrete. <i>Construction and Building Materials</i> , 2021, 269, 121307.  | 7.2 | 24        |
| 83 | Sudden Sensorineural Hearing Loss in Children—Management and Outcomes: A Meta-Analysis. <i>Laryngoscope</i> , 2021, 131, 425-434.  | 2.1 | 25        |
| 84 | Developed heat-insulating dry mortar mixes for the finishing of aerated concrete walls. <i>Magazine of Concrete Research</i> , 2021, 73, 890-903.  | 1.9 | 6         |
| 85 | Impact response of novel layered two stage fibrous composite slabs with different support type. <i>Structures</i> , 2021, 29, 1-13.  | 3.7 | 26        |
| 86 | Enhancing performances of clay masonry materials based on nanosize mine waste. <i>Construction and Building Materials</i> , 2021, 269, 121333.   | 7.2 | 27        |
| 87 | Response of Novel Functionally-Graded Prepacked Aggregate Fibrous Concrete against Low Velocity Repeated Projectile Impacts. <i>Materials</i> , 2021, 14, 280.                             | 3.0 | 10        |
| 88 | Experimental Investigation on Composite Deck Slab Made of Cold-Formed Profiled Steel Sheeting. <i>Metals</i> , 2021, 11, 229.  | 2.4 | 14        |
| 89 | Methodology for Assessing the Quality of Building Materials. <i>Lecture Notes in Civil Engineering</i> , 2021, , 167-173.  | 0.0 | 5         |
| 90 | Forecasting the Durability of Protective and Decorative Coatings of External Walls of Buildings. <i>Lecture Notes in Civil Engineering</i> , 2021, , 247-254.                              | 0.0 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Evaluation of Mode II Fracture Toughness of Hybrid Fibrous Geopolymer Composites. <i>Materials</i> , 2021, 14, 349.  | 3.0 | 56        |
| 92  | Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. <i>Crystals</i> , 2021, 11, 232.  | 2.3 | 88        |
| 93  | Slag uses in making an ecofriendly and sustainable concrete: A review. <i>Construction and Building Materials</i> , 2021, 272, 121942.   | 7.2 | 144       |
| 94  | Technological Perspective for Use the Natural Pineapple Fiber in Mortar to Repair Structures. <i>Waste and Biomass Valorization</i> , 2021, 12, 5131-5145.   | 3.4 | 57        |
| 95  | Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. <i>Crystals</i> , 2021, 11, 168.  | 2.3 | 79        |
| 96  | Granular Aggregates Based on Finely Dispersed Substandard Raw Materials. <i>Crystals</i> , 2021, 11, 369.  | 2.3 | 3         |
| 97  | Obtaining and Properties of a Photocatalytic Composite Material of the $\alpha\text{-SiO}_2\text{-TiO}_2$ -System Based on Various Types of Silica Raw Materials. <i>Nanomaterials</i> , 2021, 11, 866.    | 4.2 | 10        |
| 98  | Nano- and Micro-Modification of Building Reinforcing Bars of Various Types. <i>Crystals</i> , 2021, 11, 323.   | 2.3 | 12        |
| 99  | Modified Lime Binders for Restoration Work. <i>Buildings</i> , 2021, 11, 98.   | 3.2 | 1         |
| 100 | Combined Functionalization of Carbon Nanotubes (CNT) Fibers with $\text{H}_2\text{SO}_4/\text{HNO}_3$ and $\text{Ca}(\text{OH})_2$ for Addition in Cementitious Matrix. <i>Fibers</i> , 2021, 9, 14.       | 4.1 | 13        |
| 101 | Thermal Performance of Structural Lightweight Concrete Composites for Potential Energy Saving. <i>Crystals</i> , 2021, 11, 461.  | 2.3 | 30        |
| 102 | Reinforcement of Flexural Members with Basalt Fiber Mortar. <i>Fibers</i> , 2021, 9, 26.   | 4.1 | 3         |
| 103 | Increase the Performances of Lime Finishing Mixes Due to Modification with Calcium Silicate Hydrates. <i>Crystals</i> , 2021, 11, 399.   | 2.3 | 12        |
| 104 | Capacity to Develop Recycled Aggregate Concrete in South East Asia. <i>Buildings</i> , 2021, 11, 234.  | 3.2 | 34        |
| 105 | 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> , 2021, 11, 720.            | 2.3 | 46        |
| 106 | Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. <i>Crystals</i> , 2021, 11, 695.  | 2.3 | 52        |
| 107 | Optimization of fresh properties and durability of the green gypsum-cement paste. <i>Construction and Building Materials</i> , 2021, 287, 123035.  | 7.2 | 31        |
| 108 | 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. | 3.0 | 86        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Synthesis of <i>trans</i> -4,12,13,4-dihydrodibenzo[ <i>fh</i> ]quinolin-2(1 <i>H</i> )-ones and Dibenzo[ <i>fh</i> ]quinolin-2(1 <i>H</i> )-ones <i>via</i> Irradiation of 6-phenylpyridine-2(1 <i>H</i> )-ones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3554-3559. | 4.5 | 8         |
| 110 | Effect of an Aluminosilicate Disperse Additive on Behaviors of Autoclave Silicate Materials. <i>Buildings</i> , 2021, 11, 239.  | 3.2 | 9         |
| 111 | Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. <i>Materials</i> , 2021, 14, 4264.  | 3.0 | 91        |
| 112 | The Influence of COVID-19-Induced Daily Activities on Health Parameters—A Case Study in Malaysia. <i>Sustainability</i> , 2021, 13, 7465.   | 3.3 | 37        |
| 113 | Natural Fibers as an Alternative to Synthetic Fibers in Reinforcement of Geopolymer Matrices: A Comparative Review. <i>Polymers</i> , 2021, 13, 2493.   | 4.6 | 97        |
| 114 | Rheological Behavior and Strength Characteristics of Cement Paste and Mortar with Fly Ash and GGBS Admixtures. <i>Sustainability</i> , 2021, 13, 9600.  | 3.3 | 26        |
| 115 | Self-Healing Construction Materials: The Geomimetic Approach. <i>Sustainability</i> , 2021, 13, 9033.   | 3.3 | 8         |
| 116 | Improving the Hardened Properties of Nonautoclaved Silicate Materials Using Nanodispersed Mine Waste. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .  | 3.0 | 21        |
| 117 | Standard and modified falling mass impact tests on preplaced aggregate fibrous concrete and slurry infiltrated fibrous concrete. <i>Construction and Building Materials</i> , 2021, 298, 123857.  | 7.2 | 41        |
| 118 | Kabul River Flow Prediction Using Automated ARIMA Forecasting: A Machine Learning Approach. <i>Sustainability</i> , 2021, 13, 10720.  | 3.3 | 23        |
| 119 | Sound-Absorbing Acoustic Concretes: A Review. <i>Sustainability</i> , 2021, 13, 10712.  | 3.3 | 22        |
| 120 | Reusing marble and granite dust as cement replacement in cementitious composites: A review on sustainability benefits and critical challenges. <i>Journal of Building Engineering</i> , 2021, 44, 102600.   | 3.5 | 38        |
| 121 | Modification of Cement Composites with Hydrothermal Nano-SiO <sub>2</sub> . <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .  | 3.0 | 5         |
| 122 | Long-term durability properties of geopolymer concrete: An in-depth review. <i>Case Studies in Construction Materials</i> , 2021, 15, e00661.   | 1.7 | 44        |
| 123 | Impact Performance of Steel Fiber-Reinforced Self-Compacting Concrete against Repeated Drop Weight Impact. <i>Crystals</i> , 2021, 11, 91.  | 2.3 | 57        |
| 124 | Acoustic Properties of Innovative Concretes: A Review. <i>Materials</i> , 2021, 14, 398.  | 3.0 | 74        |
| 125 | Impact Response of Preplaced Aggregate Fibrous Concrete Hammerhead Pier Beam Designed with Topology Optimization. <i>Crystals</i> , 2021, 11, 147.  | 2.3 | 22        |
| 126 | Palm Oil Fuel Ash-Based Eco-Efficient Concrete: A Critical Review of the Short-Term Properties. <i>Materials</i> , 2021, 14, 332.   | 3.0 | 45        |



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|-----|---|-----|-----------|
| 127 | Improving the Early Properties of Treated Soft Kaolin Clay with Palm Oil Fuel Ash and Gypsum. Sustainability, 2021, 13, 10910.  | 3.3 | 17        |
| 128 | The Ways to Spread the Course Evaluation-type Qualification System in the Formal School Curriculum. Journal of Skills and Qualifications, 2021, 10, 75-101.                   | 0.0 | 0         |
| 129 | Increasing the Performance of a Fiber-Reinforced Concrete for Protective Facilities. Fibers, 2021, 9, 64.   | 4.1 | 17        |
| 130 | Properties and Strength Prediction Modeling of Green Mortar with Brick Powder Subjected to a Short-Term Thermal Shock at Elevated Temperatures. Materials, 2021, 14, 6331.    | 3.0 | 3         |
| 131 | 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.           | 2.3 | 23        |
| 132 | Fiber Concrete on Greenest Cementitious Binders for Road Construction. Lecture Notes in Civil Engineering, 2021, , 143-149.   | 0.0 | 1         |
| 133 | Utilization of Biomass to Ash: An Overview of the Potential Resources for Alternative Energy. Materials, 2021, 14, 6482.  | 3.0 | 13        |
| 134 | Thermal Behavior and Energy Efficiency of Modified Concretes in the Tropical Climate: A Systemic Review. Sustainability, 2021, 13, 11957.                                     | 3.3 | 15        |
| 135 | Benefit Evaluation Model of Prefabricated Buildings in Seasonally Frozen Regions. Energies, 2021, 14, 7119.   | 3.2 | 3         |
| 136 | Self-healing epoxy coating doped with <i>Elaeisis guineensis</i> /silver nanoparticles: A robust corrosion inhibitor. Construction and Building Materials, 2021, 312, 125396. | 7.2 | 15        |
| 137 | Time-Use and Spatio-Temporal Variables Influence on Physical Activity Intensity, Physical and Social Health of Travelers. Sustainability, 2021, 13, 12226.                    | 3.3 | 23        |
| 138 | Faience Waste for the Production of Wall Products. Materials, 2021, 14, 6677.   | 3.0 | 11        |
| 139 | Increasing the performances of low permeable cement composites. Vestnik MGSU, 2021, , 1346-1356.  | 0.6 | 4         |
| 140 | Foam Glass Crystalline Granular Material from a Polymineral Raw Mix. Crystals, 2021, 11, 1447.  | 2.3 | 10        |
| 141 | The Effect of Superabsorbent Polymer and Nano-Silica on the Properties of Blended Cement. Crystals, 2021, 11, 1394.   | 2.3 | 15        |
| 142 | Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. Materials, 2021, 14, 7074.  | 3.0 | 24        |
| 143 | Prediction of Pore Volume Dispersion and Microstructural Characteristics of Concrete Using Image Processing Technique. Crystals, 2021, 11, 1476.                              | 2.3 | 5         |
| 144 | 3D-Printed Mortars with Combined Steel and Polypropylene Fibers. Fibers, 2021, 9, 79.   | 4.1 | 25        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Effect of Needle Type, Number of Layers on FPAFC Composite against Low-Velocity Projectile Impact. Buildings, 2021, 11, 668.                                   | 3.2 | 16        |
| 146 | Experimental Investigation on Geopolymer Concrete with Various Sustainable Mineral Ashes. Materials, 2021, 14, 7596.   | 3.0 | 15        |
| 147 | Mechanical Properties of High-Performance Hybrid Fibre-Reinforced Concrete at Elevated Temperatures. Sustainability, 2021, 13, 13392.                          | 3.3 | 17        |
| 148 | Impact Resistance of Functionally Layered Two-Stage Fibrous Concrete. Fibers, 2021, 9, 88.   | 4.1 | 20        |
| 149 | Gum Arabic Nanoparticles as Green Corrosion Inhibitor for Reinforced Concrete Exposed to Carbon Dioxide Environment. Materials, 2021, 14, 7867.                | 3.0 | 19        |
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