## Nanotechnology: Advantages and drawbacks in the field materials

Construction and Building Materials

25, 582-590

DOI: 10.1016/j.conbuildmat.2010.07.009

**Citation Report** 

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Radiochemical indoor environment and possible health risks in current building technology. Building and Environment, 2011, 46, 2609-2614.   | 6.9  | 17        |
| 2  | Materials prone to mould growth. , 2012, , 334-350.   |      | 3         |
| 3  | The main health hazards from building materials. , 2012, , 1-22.  |      | 3         |
| 4  | Nanoscience of cementitious materials. Emerging Materials Research, 2012, 1, 221-234.   | 0.7  | 4         |
| 5  | Toxicity of nanoparticles. , 2012, , 427-475.   |      | 8         |
| 6  | Ultramarine blue pigment: A non-conventional pozzolan. Construction and Building Materials, 2012, 36, 305-310.  | 7.2  | 11        |
| 7  | Functionalized building materials: Photocatalytic abatement of NOx by cement pastes blended with<br>TiO2 nanoparticles. Construction and Building Materials, 2012, 36, 820-825.   | 7.2  | 86        |
| 8  | Thermal behavior of nano-silver clay in the application of handmade jewelry. Materials Science &<br>Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 849-854.                                   | 5.6  | 6         |
| 9  | Simple, Fast, and Accurate In silico Estimations of Contact Angle, Surface Tension, and Work of<br>Adhesion of Water and Oil Nanodroplets on Amorphous Polypropylene Surfaces. ACS Applied<br>Materials & Interfaces, 2012, 4, 2855-2859. | 8.0  | 21        |
| 10 | Ethyl silicate for surface treatment of concrete – Part I: Pozzolanic effect of ethyl silicate. Cement and Concrete Composites, 2012, 34, 306-312.  | 10.7 | 76        |
| 11 | Effect of nano-TiO2 on the mechanical properties of cement mortar. Construction and Building Materials, 2012, 29, 241-245.  | 7.2  | 229       |
| 12 | Metakaolinite/TiO2 composite: Photoactive admixture for building materials based on Portland cement binder. Construction and Building Materials, 2012, 35, 38-44.   | 7.2  | 30        |
| 13 | Influence of colloidal nanosilica on ultrafine cement hydration: Physicochemical and microstructural characterization. Construction and Building Materials, 2012, 35, 347-360.  | 7.2  | 122       |
| 14 | Effects of nanosilica addition on workability and compressive strength of Portland cement pastes.<br>Construction and Building Materials, 2012, 35, 666-675.  | 7.2  | 252       |
| 15 | Validation and Exploration of Instruments for Assessing Public Knowledge of and Attitudes toward<br>Nanotechnology. Journal of Science Education and Technology, 2013, 22, 548-559.   | 3.9  | 31        |
| 16 | Effect of halloysite nanoclay on mechanical properties, thermal behavior and microstructure of cement mortars. Cement and Concrete Research, 2013, 48, 97-104.  | 11.0 | 170       |
| 17 | Biotech cementitious materials: Some aspects of an innovative approach for concrete with enhanced durability. Construction and Building Materials, 2013, 40, 1136-1141.   | 7.2  | 98        |
| 18 | Recent Advances in Photocatalytic Processes by Nanomaterials. , 2013, , 267-288.  |      | 10        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Nanotechnology in the City: Sustainability Challenges and Anticipatory Governance. Journal of Urban<br>Technology, 2013, 20, 45-62.   | 4.7  | 28        |
| 20 | Evaluation of inhibitory effect of TiO2 nanocoatings against microalgal growth on clay brick façades<br>under weak UV exposure conditions. Building and Environment, 2013, 64, 38-45.                   | 6.9  | 95        |
| 21 | An overview of photocatalysis phenomena applied to NOx abatement. Journal of Environmental<br>Management, 2013, 129, 522-539.   | 7.8  | 213       |
| 22 | Elastoplastic modeling of polymeric composites containing randomly located nanoparticles with an interface effect. Composite Structures, 2013, 99, 123-130.   | 5.8  | 18        |
| 23 | Ethyl silicate for surface protection of concrete: Performance in comparison with other inorganic surface treatments. Cement and Concrete Composites, 2013, 44, 69-76.                                  | 10.7 | 145       |
| 24 | Light intensity dependence of the kinetics of the photocatalytic oxidation of nitrogen(ii) oxide at the surface of TiO2. Physical Chemistry Chemical Physics, 2013, 15, 20876.                          | 2.8  | 66        |
| 25 | The future of construction materials research and the seventh UN Millennium Development Goal: A few insights. Construction and Building Materials, 2013, 40, 729-737.                                   | 7.2  | 108       |
| 26 | A synopsis about the effect of nano-Al2O3, nano-Fe2O3, nano-Fe3O4 and nano-clay on some properties of cementitious materials – A short guide for Civil Engineer. Materials & Design, 2013, 52, 143-157. | 5.1  | 127       |
| 27 | Nanoparticles for high performance concrete (HPC). , 2013, , 38-52.   |      | 4         |
| 28 | Nano-TiO2-based architectural mortar for NO removal and bacteria inactivation: Influence of coating and weathering conditions. Cement and Concrete Composites, 2013, 36, 101-108.                       | 10.7 | 97        |
| 29 | A novel approach to composite preparation by direct synthesis of carbon nanomaterial on matrix or filler particles. Acta Materialia, 2013, 61, 1862-1871.   | 7.9  | 92        |
| 30 | Improvement of cement-based mortars by application of photocatalytic active Ti–Zn–Al nanocomposites. Cement and Concrete Composites, 2013, 36, 121-127.   | 10.7 | 39        |
| 31 | A study of the mechanical properties of ground ceramic powder concrete incorporating nano-SiO2 particles. Construction and Building Materials, 2013, 38, 255-264.                                       | 7.2  | 159       |
| 32 | Targeting HPC with the help of nanoparticles: An overview. Construction and Building Materials, 2013, 38, 365-370.  | 7.2  | 106       |
| 33 | Characteristics of blended cements containing nano-silica. HBRC Journal, 2013, 9, 243-255.  | 0.7  | 82        |
| 34 | Biotechconcrete: An innovative approach for concrete with enhanced durability. , 2013, , 565-576.   |      | 4         |
| 35 | Nanoscience and nanoengineering of cement-based materials. , 2013, , 9-37a.   |      | 4         |
| 36 | A Review on Nanomaterial Dispersion, Microstructure, and Mechanical Properties of Carbon<br>Nanotube and Nanofiber Reinforced Cementitious Composites. Journal of Nanomaterials, 2013, 2013,<br>1-19.   | 2.7  | 283       |

ARTICLE IF CITATIONS Nanotechnology in manufacturing paints for eco-efficient buildings., 2013,, 343-363. 37 3 THE EFFECT OF CEMENT MODIFICATION ON THE RHEOLOGICAL PROPERTIES OF CEMENT PASTE. Journal of 3.5 Civil Engineering and Management, 2014, 19, S125-S130. The Effect of Nanoparticles of Ordinary Portland Cement (OPC) on Compressive Strength of 39 0.3 0 Concrete. Advanced Materials Research, 0, 894, 342-348. Evaluation of the Particle Aerosolization from n-TiO<sub>2</sub>Photocatalytic Nanocoatings under Abrasion. Journal of Nanomaterials, 2014, 2014, 1-11. Natural Mineral for Improving Concrete Compressive Strength. Advanced Materials Research, 0, 41 0.3 0 875-877, 1490-1494. Long-term mechanical resistance and durability of air lime mortars with large additions of nanosilica. Construction and Building Materials, 2014, 58, 147-158. Effect of the reagglomeration process of multi-walled carbon nanotubes dispersions on the early 43 7.2 54 activity of nanosilica in cement composites. Construction and Building Materials, 2014, 54, 550-557. Influence of Nano-Silica on the properties of recycled aggregate concrete. Construction and Building 44 7.2 Materials, 2014, 55, 29-37. The influence of TiO2 and ZnO powder mixtures on photocatalytic activity and rheological behavior 45 7.2 43 of cement pastes. Construction and Building Materials, 2014, 65, 191-200. Photocatalytic technology in architectural context: From science to societal debates. Indoor and 2.8 Built Environment, 2014, 23, 603-614. Use of nano-structured waste materials for improving mechanical, physical and structural properties 47 7.2 55 of cement mortar. Construction and Building Materials, 2014, 73, 636-644. Influence of incorporation of nano-silica and recycled aggregates on compressive strength and microstructure of concrete. Construction and Building Materials, 2014, 71, 570-578. Behavior of composite cement pastes containing silica nano-particles at elevated temperature. 49 7.2 80 Construction and Building Materials, 2014, 70, 339-350. Nano reinforced cement and concrete composites and new perspective from graphene oxide. Construction and Building Materials, 2014, 73, 113-124. 7.2 548 Effect of the Normal Load on the Release of Aerosol Wear Particles During Abrasion. Tribology 51 2.6 11 Letters, 2014, 55, 227-234. Development of a versatile experimental setup for the evaluation of the photocatalytic properties of construction materials under realistic outdoor conditions. Environmental Science and Pollution Durability of self-cleaning TiO2 coatings on fired clay brick façades: Effects of UV exposure and wet 53 6.9 120 & dry cycles. Building and Environment, 2014, 71, 193-203. Use of polypropylene fibers coated with nano-silica particles into a cementitious mortar. AIP 54 Conference Proceedings, 2015, , .

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | A Review on The Exploration of Nanomaterials Application in Pavement Engineering. Jurnal Teknologi<br>(Sciences and Engineering), 2015, 73, .  | 0.4  | 18        |
| 56 | Durability Properties of High-Performance Concrete Incorporating Nano-TiO <sub>2</sub><br>and Fly Ash. American Journal of Engineering and Applied Sciences, 2015, 8, 519-526.                                     | 0.6  | 20        |
| 57 | Possibilities of Nanoparticle Application in Concrete Technology. Advanced Materials Research, 0, 1106, 81-84.   | 0.3  | 3         |
| 58 | Microstructure of composite cements containing blast-furnace slag and silica nano-particles<br>subjected to elevated thermally treatment temperature. Construction and Building Materials, 2015, 93,<br>1067-1077. | 7.2  | 51        |
| 59 | Mechanical properties of nano-cement mortar: Compression and tension. , 2015, , .  |      | 1         |
| 60 | Alkali-activated cements for photocatalytic degradation of organic dyes. , 2015, , 729-775.  |      | 4         |
| 61 | Emission of Titanium Dioxide Nanoparticles from Building Materials to the Environment by Wear and<br>Weather. Environmental Science & Technology, 2015, 49, 2163-2170.   | 10.0 | 98        |
| 62 | Solar photocatalysis: Materials, reactors, some commercial, and pre-industrialized applications. A comprehensive approach. Applied Catalysis B: Environmental, 2015, 170-171, 90-123.                              | 20.2 | 541       |
| 63 | Photocatalytic air cleaners and materials technologies – Abilities andÂlimitations. Building and<br>Environment, 2015, 91, 191-203.  | 6.9  | 201       |
| 64 | Experimental investigations of aerogel-incorporated ultra-high performance concrete. Construction and Building Materials, 2015, 77, 307-316.   | 7.2  | 122       |
| 65 | Construction Biotechnology: a new area of biotechnological research and applications. World<br>Journal of Microbiology and Biotechnology, 2015, 31, 1303-1314.   | 3.6  | 58        |
| 66 | Context, drivers, and future potential for wood-frame multi-story construction in Europe.<br>Technological Forecasting and Social Change, 2015, 99, 181-196.   | 11.6 | 96        |
| 67 | Development of construction materials using nano-silica and aggregates recycled from construction and demolition waste. Waste Management and Research, 2015, 33, 515-523.  | 3.9  | 20        |
| 68 | Photocatalytic activity of hierarchically structured, thermally stable, anatase particles. RSC Advances, 2015, 5, 26769-26776.   | 3.6  | 3         |
| 69 | Characteristics of nanoclay and calcined nanoclay-cement nanocomposites. Composites Part B:<br>Engineering, 2015, 78, 174-184.   | 12.0 | 121       |
| 70 | Microstructure and mechanical properties of carbon nanotube reinforced cementitious composites developed using a novel dispersion technique. Cement and Concrete Research, 2015, 73, 215-227.                      | 11.0 | 231       |
| 71 | Basics of Construction Microbial Biotechnology. , 2015, , 21-56.   |      | 37        |
| 72 | TiO2-based nanocoatings for preserving architectural stone surfaces: An overview. Construction and Building Materials, 2015, 84, 201-218.  | 7.2  | 162       |

|   | Citation Re                    | PORT |           |
|---|--------------------------------|------|-----------|
|   |                                | 15   | CITATIONS |
| ARTICLE   |                                | IF   | CHATIONS  |
| Improvement of physical and mechanical properties of particleboard made of apple tre sunflower stalk using titanium oxide nanoparticles. European Journal of Wood and Wo 2015, 73, 661-666. | e pruning and<br>ood Products, | 2.9  | 15        |
| Application of Nanoparticles in Manufacturing. , 2015, , 1-53.  |                                |      | 4         |
| Long term self-cleaning and photocatalytic performance of anatase added mortars exp<br>urban environment. Construction and Building Materials, 2015, 96, 270-278.                           | osed to the                    | 7.2  | 56        |
| A research on the radiation shielding effects of clay, silica fume and cement samples. R<br>Physics and Chemistry, 2015, 117, 88-92.  | adiation                       | 2.8  | 38        |
| Characterization of the rate of change of rheological properties of nano-modified asph Construction and Building Materials, 2015, 98, 437-446.  | alt.                           | 7.2  | 53        |
| Applications of Terahertz Spectroscopy in the Field of Construction and Building Mater<br>Spectroscopy Reviews, 2015, 50, 279-303.  | rials. Applied                 | 6.7  | 41        |
| Toxicity of nanoparticles embedded in paints compared to pristine nanoparticles, in vit Toxicology Letters, 2015, 232, 333-339.   | ro study.                      | 0.8  | 27        |

| 79 | Toxicity of nanoparticles embedded in paints compared to pristine nanoparticles, in vitro study.<br>Toxicology Letters, 2015, 232, 333-339.                               | 0.8  | 27 |  |
|----|---|------|----|--|
| 80 | Facile preparation of photocatalytic exposed aggregate concrete with highly efficient and stable catalytic performance. Chemical Engineering Journal, 2015, 264, 577-586. | 12.7 | 37 |  |
| 81 | Bio-inspired Adaptive Building Skins. , 2015, , 115-134.  |      | 13 |  |

| 82 C | TiO2 and TiO2–SiO2 coated cement: Comparison of mechanic and photocatalytic properties. Applied<br>Catalysis B: Environmental, 2015, 178, 155-164.  | 20.2 | 88 |
|------|---|------|----|
| 83 F | Properties of Oil Palm Empty Fruit Bunch-Filled Recycled Acrylonitrile Butadiene Styrene Composites:<br>Effect of Shapes and Filler Loadings with Random Orientation. BioResources, 2016, 12, . | 1.0  | 10 |

| 84 | Parametric Analysis to Study the Influence of Aerogel-Based Renders' Components on Thermal and<br>Mechanical Performance. Materials, 2016, 9, 336. | 2.9 | 11 |
|----|--|-----|----|
| 85 | Characterization of vegetable fibers and their application in cementitious composites. , 2016, , 83-110.   |     | 4  |

| 86 | Nano-based thermal insulation for energy-efficient buildings. , 2016, , 129-181.                                     | 19 |
|----|--|----|
| 87 | Biotechnological production of biopolymers and admixtures for eco-efficient construction materials. , 2016, , 37-56. | 8  |

| 88 | Development of Singlet Oxygen Luminescence Kinetics during the Photodynamic Inactivation of Green Algae. Molecules, 2016, 21, 485. | 3.8 | 9  |
|----|--|-----|----|
| 89 | Nano-Inclusions Applied in Cement-Matrix Composites: A Review. Materials, 2016, 9, 1015.   | 2.9 | 63 |

| 90 | Basic concepts on biopolymers and biotechnological admixtures for eco-efficient construction materials. , 2016, , 13-35. |
|----|--|
|----|--|

#

73

74

75

77

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Fire behavior analysis for new retardant nanocomposite formulations with minimum risk to health and safety. , 2016, , .  |     | 0         |
| 92  | The effect of Colloidal Nano-silica on workability, mechanical and durability properties of High<br>Performance Concrete with Copper slag as partial fine aggregate. Construction and Building<br>Materials, 2016, 113, 794-804.                   | 7.2 | 228       |
| 93  | Drying techniques applied to cellulose nanofibers. Journal of Reinforced Plastics and Composites, 2016, 35, 682-697.   | 3.1 | 86        |
| 94  | Effect of nanosilica on durability and mechanical properties of high-strength concrete. Magazine of<br>Concrete Research, 2016, 68, 229-236.   | 2.0 | 41        |
| 95  | End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. Environmental Science: Nano, 2016, 3, 1293-1305.   | 4.3 | 31        |
| 96  | Modeling of occupational exposure to accidentally released manufactured nanomaterials in a production facility and calculation of internal doses by inhalation. International Journal of Occupational and Environmental Health, 2016, 22, 249-258. | 1.2 | 6         |
| 97  | The influence of nano-silica and barite aggregate on properties of ultra high performance concrete.<br>Construction and Building Materials, 2016, 126, 147-156.  | 7.2 | 99        |
| 98  | Review of Nanocoatings for Building Application. Procedia Engineering, 2016, 145, 1541-1548.   | 1.2 | 37        |
| 99  | Thermal stability of geopolymers used as supporting materials for TiO2 film coating through sol-gel process: Feasibility and improvement. Construction and Building Materials, 2016, 125, 1114-1126.   | 7.2 | 22        |
| 100 | Effect of calcined nanoclay on the durability of NaOH treated hemp fabric-reinforced cement nanocomposites. Materials and Design, 2016, 92, 659-666.   | 7.0 | 24        |
| 101 | Hydration, microstructure and phase composition of composite cements containing nano-clay.<br>Construction and Building Materials, 2016, 112, 19-27.   | 7.2 | 59        |
| 102 | Experimental studies on nanomaterials for soil improvement: a review. Environmental Earth Sciences, 2016, 75, 1.   | 2.7 | 93        |
| 103 | Nano carbon material–filled cementitious composites. , 2016, , 153-181.  |     | 4         |
| 104 | Introduction to Nano- and Biotech-Based Materials for Energy Building Efficiency. , 2016, , 1-16.  |     | 3         |
| 105 | Intermatrix Synthesis as a rapid, inexpensive and reproducible methodology for the in situ<br>functionalization of nanostructured surfaces with quantum dots. Applied Surface Science, 2016, 368,<br>417-426.                                      | 6.1 | 20        |
| 106 | Effects of adding nano-TiO 2 on compressive strength, drying shrinkage, carbonation and microstructure of fluidized bed fly ash based geopolymer paste. Construction and Building Materials, 2016, 106, 115-125.                                   | 7.2 | 179       |
| 107 | Structural characterization of thermal building insulation materials using terahertz spectroscopy and terahertz pulsed imaging. NDT and E International, 2016, 77, 11-18.  | 3.7 | 28        |
| 108 | Photocatalytic hydrophobic concrete coatings to combat air pollution. Catalysis Today, 2016, 259, 228-236.   | 4.4 | 75        |

ARTICLE IF CITATIONS Key factors affecting green procurement in real estate development: aÂChina study. Journal of Cleaner 109 9.3 85 Próduction, 2017, 153, 372-383. Nanocomposite materials for photocatalytic degradation of pollutants. Catalysis Today, 2017, 281, 4.4 85-100. 111 Behavior of Nanomaterials in Soft Soils: A Case Study. Soil Biology, 2017, , 219-257. 0.8 0 Effect of nano-CaCO 3 slurry on the mechanical properties and micro-structure of concrete with and without fly ash. Composites Part B: Engineering, 2017, 117, 124-129. Bionic building energy efficiency and bionic green architecture: A review. Renewable and Sustainable Energy Reviews, 2017, 74, 771-787. 113 16.4 64 Phase Change Materials for Application in Energy-Efficient Buildings., 2017, , 57-118. Nanofiller Presence Enhances Polycyclic Aromatic Hydrocarbon (PAH) Profile on Nanoparticles 115 Released during Thermal Decomposition of Nano-enabled Thermoplastics: Potential Environmental 10.0 26 Health Implications. Environmental Science & amp; Technology, 2017, 51, 5222-5232. Review of measurement techniques and methods for assessing personal exposure to airborne 8.0 nanomaterials in workplaces. Science of the Total Environment, 2017, 603-604, 793-806. Functionalised exposed building materials: Self-cleaning, photocatalytic and biofouling abilities. 117 4.8 34 Ceramics International, 2017, 43, 10316-10325. Nanotechnology on wood: The effect of photocatalytic nanocoatings against Aspergillus niger. 118 3.3 Journal of Cultural Heritage, 2017, 27, 125-136. Effect of ZnO nanoparticles on thermoelectric properties of cement composite for waste heat 119 7.2 68 harvesting. Construction and Building Materials, 2017, 146, 755-763. Cement sheath modification using nanomaterials for long-term zonal isolation of oil wells: Review. 4.2 Journal of Petroleum Science and Engineering, 2017, 156, 662-672. Geopolymer-supported photocatalytic TiO2 film: Preparation and characterization. Construction and 121 7.2 32 Building Materials, 2017, 151, 63-70. Enhanced photocatalytic performance of cementitious material with TiO 2 @Ag modified fly ash 14.0 23 micro-aggregates. Chinese Journal of Catalysis, 2017, 38, 357-364. 123 Effect of Nanotechnology on Physical Properties of Concrete. Key Engineering Materials, 0, 733, 71-75. 0.4 0 Applications of using nano material in concrete: A review. Construction and Building Materials, 2017, 124 383 133, 91-97. High tech startup creation for energy efficient built environment. Renewable and Sustainable Energy 125 16.4 35 Reviews, 2017, 71, 618-629. An investigation on mechanical and durability properties of mortars containing nano and micro RHA. Construction and Building Materials, 2017, 132, 470-477.

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Study of the photocatalytic degradation pathway of norfloxacin and mineralization activity using a novel ternary Ag/AgCl-CeO 2 photocatalyst. Journal of Catalysis, 2017, 355, 73-86.                     | 6.2 | 195       |
| 128 | Effect of high-intensity sonication on the dispersion of carbon-based nanofilaments in cementitious composites, and its impact on mechanical performance. Materials and Design, 2017, 136, 223-237.       | 7.0 | 15        |
| 129 | Properties of hybrid cementitious composite with metakaolin, nanosilica and epoxy. Construction and<br>Building Materials, 2017, 155, 740-750.  | 7.2 | 22        |
| 130 | A review of nanoclay applications in the pervious concrete pavement. AIP Conference Proceedings, 2017, , .  | 0.4 | 15        |
| 131 | Multifunctional TiO 2 -based hybrid coatings on limestone: Initial performances and durability over time. Journal of Building Engineering, 2017, 14, 134-149.   | 3.4 | 18        |
| 132 | Modelling mechanical behavior of cementitious material incorporating CNTs using design of experiments. Construction and Building Materials, 2017, 154, 763-770.   | 7.2 | 29        |
| 133 | Influence of core/shell TiO2@SiO2 nanoparticles on cement hydration. Construction and Building Materials, 2017, 156, 114-122.   | 7.2 | 64        |
| 134 | Green maintainability design criteria for nanostructured titanium dioxide (TiO <sub>2</sub> ) façade<br>coatings. International Journal of Building Pathology and Adaptation, 2017, 35, 139-158.          | 1.3 | 12        |
| 135 | TiO2/porous cementitious composites: Influences of porosities and TiO2 loading levels on photocatalytic degradation of gaseous benzene. Construction and Building Materials, 2017, 150, 774-780.          | 7.2 | 30        |
| 136 | Nanomaterials for Industrial Wastewater Treatment and Water Purification. , 2017, , 1-41.   |     | 5         |
| 137 | Photocatalytic nano-composite architectural lime mortar for degradation of urban pollutants under solar and visible (interior) light. Construction and Building Materials, 2017, 152, 206-213.            | 7.2 | 17        |
| 138 | Construction Biotechnology. Green Energy and Technology, 2017, , .  | 0.6 | 21        |
| 139 | Theory of an Intelligent Planning Unit for the Complex Built Environment. Journal of Management in<br>Engineering - ASCE, 2017, 33, 04016046.   | 4.8 | 14        |
| 140 | Titanium dioxide based nanotreatments to inhibit microalgal fouling on building stone surfaces.<br>Building and Environment, 2017, 112, 209-222.  | 6.9 | 72        |
| 141 | Mechanical and microstructural characterization of recycled aggregate concrete containing silica nanoparticles. Journal of Sustainable Cement-Based Materials, 2017, 6, 37-53.                            | 3.1 | 25        |
| 142 | The influence of zeolites fly ash bead/TiO2 composite material surface morphologies on their adsorption and photocatalytic performance. Applied Surface Science, 2017, 392, 687-696.                      | 6.1 | 44        |
| 143 | Graphene-engineered cementitious composites. Nanomaterials and Nanotechnology, 2017, 7, 184798041774230.  | 3.0 | 98        |
| 144 | Numerical study of the totally asymmetric simple exclusion process that consists of only a single site for modeling the dynamics of Coulomb blockade in 2D quantum dot. AIP Conference Proceedings, 2017, | 0.4 | 0         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 145 | Synthesis, Morphologies and Building Applications of Nanostructured Polymers. Polymers, 2017, 9,  | 4.5  | 30        |
| 146 | Visible-Light-Active TiO2-Based Hybrid Nanocatalysts for Environmental Applications. Catalysts, 2017, 7, 100.   | 3.5  | 93        |
| 147 | Colloidal Nanocrystalline Semiconductor Materials as Photocatalysts for Environmental Protection of Architectural Stone. Crystals, 2017, 7, 30.   | 2.2  | 17        |
| 148 | Thermal resistance, microstructure and mechanical properties of type I Portland cement pastes containing low-cost nanoparticles. Journal of Thermal Analysis and Calorimetry, 2018, 131, 949-968.                                   | 3.6  | 74        |
| 149 | Applications of nanomaterials. Materials Today: Proceedings, 2018, 5, 1093-1096.  | 1.8  | 81        |
| 150 | Self cleaning and depolluting glass reinforced concrete panels: Fabrication, optimization and durability evaluation. Construction and Building Materials, 2018, 162, 9-19.  | 7.2  | 17        |
| 151 | Gamma radiation shielding, fire resistance and physicochemical characteristics of Portland cement<br>pastes modified with synthesized Fe2O3 and ZnO nanoparticles. Construction and Building Materials,<br>2018, 173, 687-706.      | 7.2  | 115       |
| 152 | The impact resistance and mechanical properties of fiber reinforced self-compacting concrete (SCC)<br>containing nano-SiO <sub>2</sub> and silica fume. European Journal of Environmental and Civil<br>Engineering, 2018, 22, 1-27. | 2.1  | 39        |
| 153 | Structural regulation of hollow spherical TiO2 by varying titanium source amount and their thermal insulation property. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 69-75.                         | 4.7  | 22        |
| 154 | Studies on detachment behavior of micron sized droplets: A comparison between pure fluid and nanofluid. Aerosol Science and Technology, 2018, 52, 69-77.  | 3.1  | 5         |
| 155 | Photocatalyst efficiencies in concrete technology: The effect of photocatalyst placement. Applied<br>Catalysis B: Environmental, 2018, 222, 200-208.  | 20.2 | 86        |
| 156 | Photoactive glazed polymer-cement composite. Applied Surface Science, 2018, 438, 84-95.   | 6.1  | 12        |
| 157 | Particle emission rates during electrostatic spray deposition of TiO2 nanoparticle-based photoactive coating. Journal of Hazardous Materials, 2018, 341, 218-227.   | 12.4 | 16        |
| 158 | Dispersion characteristics of various contents of nanoâ€TiO <sub>2</sub> and its effect on the properties of cementâ€based composite. Structural Concrete, 2018, 19, 1301-1308.   | 3.1  | 26        |
| 159 | Applications of Nano Technology in Civil Engineering. International Journal of Strategic Engineering, 2018, 1, 48-64.   | 0.3  | 8         |
| 160 | Nanomaterials in Structural Engineering. , 0, , .   |      | 4         |
| 162 | Nanotechnology in Repair and Protection of Structures State-of-the-Art. Journal of Civil & Environmental Engineering, 2018, 08, .   | 0.1  | 6         |
| 163 | Development of Zn-Al-Ti mixed oxides-modified cement phases for surface photocatalytic performance.<br>Case Studies in Construction Materials, 2018, 9, e00209.   | 1.7  | 9         |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 164 | Influence of nanoparticles on mechanical and nondestructive properties of high-performance concrete. Journal of the Chinese Advanced Materials Society, 2018, 6, 409-433.                              | 0.7 | 13        |
| 165 | Cu-Doped TiO2: Visible Light Assisted Photocatalytic Antimicrobial Activity. Applied Sciences (Switzerland), 2018, 8, 2067.  | 2.5 | 149       |
| 166 | Enhancing the Delivery of Chemotherapeutics: Role of Biodegradable Polymeric Nanoparticles.<br>Molecules, 2018, 23, 2157.  | 3.8 | 82        |
| 167 | Synergy achieved in silver-TiO2 nanocomposites for the inhibition of biofouling on limestone.<br>Building and Environment, 2018, 141, 80-90.   | 6.9 | 24        |
| 169 | Binders alternative to Portland cement and waste management for sustainable construction – Part 2.<br>Journal of Applied Biomaterials and Functional Materials, 2018, 16, 207-221.                     | 1.6 | 45        |
| 170 | Applications of nanotechnology in construction industry. , 2018, , 343-370.  |     | 19        |
| 171 | New g-C3N4 based photocatalytic cement with enhanced visible-light photocatalytic activity by constructing muscovite sheet/SnO2 structures. Construction and Building Materials, 2018, 179, 315-325.   | 7.2 | 32        |
| 172 | Nano-SiO2 contribution to mechanical, durability, fresh and microstructural characteristics of concrete: A review. Construction and Building Materials, 2018, 181, 27-41.                              | 7.2 | 161       |
| 173 | Challenges in Studying the Incorporation of Nanomaterials to Building Materials on Microbiological<br>Models. Springer Proceedings in Physics, 2019, , 285-303.  | 0.2 | 6         |
| 174 | Photocatalytic performances and durability of TiO2/cement composites prepared by a smear method for organic wastewater degradation. Ceramics International, 2019, 45, 23061-23069.                     | 4.8 | 16        |
| 175 | Sustainability Metrics for Housing and the Thermal Performance Evaluation of a Low-Cost Prototype<br>Made with Poly (Ethylene Terephthalate) Bottles. Recycling, 2019, 4, 30.                          | 5.0 | 7         |
| 176 | Fresh and hardened state properties of hybrid graphene oxide/nanosilica cement composites.<br>Construction and Building Materials, 2019, 221, 433-442.   | 7.2 | 29        |
| 177 | TiO2-based Photocatalytic Cementitious Composites: Materials, Properties, Influential Parameters, and<br>Assessment Techniques. Nanomaterials, 2019, 9, 1444.  | 4.1 | 92        |
| 178 | Self-Cleaning Concrete for Landscaping Applications. MATEC Web of Conferences, 2019, 289, 05004.   | 0.2 | 4         |
| 179 | Nanoparticles in Construction Materials and Other Applications, and Implications of Nanoparticle<br>Use. Materials, 2019, 12, 3052.  | 2.9 | 161       |
| 180 | Sustainability of nanomaterials based self-healing concrete: An all-inclusive insight. Journal of<br>Building Engineering, 2019, 23, 155-171.  | 3.4 | 92        |
| 181 | Role of recycling fine materials as filler for improving performance of concrete - a review. Australian<br>Journal of Civil Engineering, 2019, 17, 85-95.  | 1.6 | 70        |
| 182 | Expansive concretes with photocatalytic activity for pavements: Enhanced performance and modifications of the expansive hydrates composition. Construction and Building Materials, 2019, 218, 394-403. | 7.2 | 17        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 183 | Recent studies on thermodynamic processes in nano-ceramic thermal insulation coatings. Pollack Periodica, 2019, 14, 107-116.  | 0.4  | 5         |
| 184 | Influence of ZrO2 Nanoparticles on the Microstructural Development of Cement Mortars with<br>Limestone Aggregates. Applied Sciences (Switzerland), 2019, 9, 598.  | 2.5  | 11        |
| 185 | Effects of pozzolanic and non-pozzolanic nanomaterials on cement-based materials. Construction and Building Materials, 2019, 213, 1-9.  | 7.2  | 61        |
| 186 | Nanomaterials for Industrial Wastewater Treatment and Water Purification. , 2019, , 195-235.  |      | 1         |
| 187 | Photocatalytic Application of Ag/TiO2 Hybrid Nanoparticles. , 2019, , 373-394.  |      | 2         |
| 188 | Cellulose nanofibres (CNF) for sulphate resistance in cement based systems. Cement and Concrete Composites, 2019, 99, 100-111.  | 10.7 | 51        |
| 189 | Effect of leaching on the hardened, microstructural and self-cleaning characteristics of titanium dioxide containing cement mortars. Construction and Building Materials, 2019, 207, 640-650.   | 7.2  | 23        |
| 190 | Sulfonation of graphene and its effects on tricalcium silicate hydration. Construction and Building Materials, 2019, 206, 600-608.  | 7.2  | 11        |
| 191 | Multifunctional photocatalytic coatings for construction materials. , 2019, , 557-589.  |      | 4         |
| 192 | Nanotreatments to inhibit microalgal fouling on building stone surfaces. , 2019, , 619-647.   |      | 3         |
| 193 | Influence of nanoparticles on the strength of ultra-high performance concrete. , 2019, , 13-42.   |      | 4         |
| 194 | Nanocellulose for improved concrete performance: A macro-to-micro investigation for disclosing<br>the effects of cellulose filaments on strength of cement systems. Construction and Building<br>Materials, 2019, 206, 84-96.               | 7.2  | 88        |
| 195 | Potential risks posed by the use of nano-enabled construction products: A perspective from coordinators for safety and health matters. Journal of Cleaner Production, 2019, 220, 33-44.   | 9.3  | 19        |
| 196 | Evaporation of a Droplet: From physics to applications. Physics Reports, 2019, 804, 1-56.   | 25.6 | 255       |
| 199 | Bioenergetic responses of freshwater mussels Unio tumidus to the combined effects of nano-ZnO and temperature regime. Science of the Total Environment, 2019, 650, 1440-1450.   | 8.0  | 19        |
| 200 | Impact of chloride grinding aid with modified fly ash using topdown nanotechnology on grinding performance. Construction and Building Materials, 2019, 199, 225-233.  | 7.2  | 13        |
| 201 | Photocatalytic concrete for NOx abatement: Supported TiO2 efficiencies and impacts. Cement and Concrete Research, 2019, 116, 57-64.   | 11.0 | 68        |
| 202 | Thermal decomposition/incineration of nano-enabled coatings and effects of nanofiller/matrix properties and operational conditions on byproduct release dynamics: Potential environmental health implications. NanoImpact, 2019, 13, 44-55. | 4.5  | 19        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 203 | Photocatalytic oxidation of benzene by ZnO coated on glass plates under simulated sunlight.<br>Chemical Papers, 2019, 73, 635-644.  | 2.2  | 19        |
| 204 | High performance green concrete (HPGC) with improved strength and chloride ion penetration<br>resistance by synergistic action of fly ash, nanoparticles and corrosion inhibitor. Construction and<br>Building Materials, 2019, 198, 299-312. | 7.2  | 55        |
| 205 | FTIR study on early-age hydration of carbon nanotubes-modified cement-based materials. Advances in<br>Cement Research, 2019, 31, 353-361.   | 1.6  | 37        |
| 206 | Mechanical, durability and fracture properties of nano-modified FA/GGBS geopolymer mortar.<br>Magazine of Concrete Research, 2020, 72, 207-216.   | 2.0  | 30        |
| 207 | Assessment of nanoparticles/nanocomposites to inhibit micro-algal fouling on limestone façades.<br>Building Research and Information, 2020, 48, 180-190.  | 3.9  | 26        |
| 208 | The influence of dimension and content of natural organic fibrous materials on the<br>multi-performance of cement-based composites: A statistical approach. Construction and Building<br>Materials, 2020, 231, 117175.                        | 7.2  | 16        |
| 209 | Combined influence of nano aCO 3 and polyvinyl alcohol fibers on fresh and mechanical performance of concrete incorporating fly ash. Structural Concrete, 2020, 21, 724-734.  | 3.1  | 33        |
| 210 | ZnO nanoparticles photocatalytic activity toward atmospheric toluene under simulated sunlight.<br>Research on Chemical Intermediates, 2020, 46, 119-131.  | 2.7  | 9         |
| 211 | Development of in situ nanofibrillar poly (lactic acid)/poly (butylene terephthalate) composites:<br>Non-isothermal crystallization and crystal morphology. European Polymer Journal, 2020, 125, 109489.                                      | 5.4  | 15        |
| 212 | Effects of particle size, crystal phase and surface treatment of nano-TiO2 on the rheological parameters of cement paste. Construction and Building Materials, 2020, 239, 117897.   | 7.2  | 20        |
| 213 | Nano-tailored multi-functional cementitious composites. Composites Part B: Engineering, 2020, 182, 107670.  | 12.0 | 75        |
| 214 | Effects of highly dispersed nano-SiO2 on the microstructure development of cement pastes. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.   | 3.1  | 21        |
| 215 | Evaluation of CNT/GNP's synergic effects on the Mechanical, Microstructural, and durability<br>properties of a cementitious composite by the novel dispersion method. Construction and Building<br>Materials, 2020, 260, 120486.              | 7.2  | 38        |
| 216 | Recent Progress in the Abatement of Hazardous Pollutants Using Photocatalytic TiO2-Based Building<br>Materials. Nanomaterials, 2020, 10, 1854.  | 4.1  | 44        |
| 217 | Bitumen and asphalt concrete modified by nanometer-sized particles: Basic concepts, the state of the art and future perspectives of the nanoscale approach. Advances in Colloid and Interface Science, 2020, 285, 102283.                     | 14.7 | 47        |
| 218 | An intense review on the performance of Graphene Oxide and reduced Graphene Oxide in an admixed cement system. Construction and Building Materials, 2020, 259, 120598.  | 7.2  | 56        |
| 219 | Bright and slip-proof engineered cementitious composites with visible light activated photo-catalysis property for pavement in tunnels. Cement and Concrete Composites, 2020, 114, 103788.  | 10.7 | 11        |
| 220 | Porous concrete pavement containing nanosilica from black rice husk ash. , 2020, , 493-527.   |      | 10        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 221 | Exploiting Nanoparticles to Improve the Properties of Bitumens and Asphalts: At What Extent Is It<br>Really Worth It?. Applied Sciences (Switzerland), 2020, 10, 5230.   | 2.5 | 11        |
| 222 | Preparation and Properties of Carbon Nanofiber Modified Emulsified Asphalt Based on<br>Ultrasonication and Surfactant and the Impact of SBR and NH4Cl. Frontiers in Materials, 2020, 7, .                                | 2.4 | 8         |
| 223 | Mechanical properties of polymer composites reinforced by silica-based materials of various sizes.<br>Applied Nanoscience (Switzerland), 2020, 10, 4087-4102.  | 3.1 | 17        |
| 224 | Electrochemical Nanobiosensors for Detection of Breast Cancer Biomarkers. Sensors, 2020, 20, 4022.   | 3.8 | 37        |
| 225 | Nanotechnology in the built environment for sustainable development. IOP Conference Series:<br>Materials Science and Engineering, 2020, 805, 012044.   | 0.6 | 5         |
| 226 | Effect of environmental conditions on degradation of NOx gases by photocatalytic nanotitania-based cement mortars after long-term hydration. Journal of Cleaner Production, 2020, 274, 123067.                           | 9.3 | 23        |
| 228 | Micro-scale characterization of the heterogeneous properties of in-service cement-treated base material. Construction and Building Materials, 2020, 264, 120696.   | 7.2 | 14        |
| 229 | Photocatalytic Nanocomposite Materials Based on Inorganic Polymers (Geopolymers): A Review.<br>Catalysts, 2020, 10, 1158.  | 3.5 | 17        |
| 230 | A Review: Influence of Potential Nanomaterials for Civil Engineering Projects. Iranian Journal of<br>Science and Technology - Transactions of Civil Engineering, 2021, 45, 2057-2068.                                    | 1.9 | 8         |
| 231 | New Holistic Conceptual Framework for the Assessment of the Performance of Photocatalytic Pavement. Frontiers in Chemistry, 2020, 8, 743.  | 3.6 | 10        |
| 232 | Stone dust nanoparticles investigation and their role in the negative phenomena for mining workers formation. IOP Conference Series: Earth and Environmental Science, 2020, 548, 062050.                                 | 0.3 | 0         |
| 233 | Management of Occupational Risk Prevention of Nanomaterials Manufactured in Construction Sites in the EU. International Journal of Environmental Research and Public Health, 2020, 17, 9211.                             | 2.6 | 6         |
| 234 | Development of Eco-Friendly and Self-Cleaning Lime-Pozzolan Plasters for Bio-Construction and Cultural Heritage. Buildings, 2020, 10, 172.   | 3.1 | 13        |
| 235 | Investigate the colloidal nano-zinc oxide addition on the strength acceleration of G-sand cement mortar. AIP Conference Proceedings, 2020, , .   | 0.4 | 4         |
| 236 | Performance, radiation shielding, and anti-fungal activity of alkali-activated slag individually<br>modified with zinc oxide and zinc ferrite nano-particles. Construction and Building Materials, 2020,<br>257, 119584. | 7.2 | 60        |
| 237 | Fe–Al based nanocomposite reinforced hydrothermal carbon: Efficient and robust absorbent for anionic dyes. Chemosphere, 2020, 259, 127421.   | 8.2 | 21        |
| 238 | Exploitation of the nanowaste ceramic incorporated with nano silica to improve concrete properties.<br>Journal of King Saud University, Engineering Sciences, 2021, 33, 581-588.   | 2.0 | 33        |
| 239 | Spectrally Selective PANI/ITO Nanocomposite Electrodes for Energy-Efficient Dual Band Electrochromic Windows. ACS Applied Energy Materials, 2020, 3, 3779-3788.  | 5.1 | 39        |

|          | Сітатіо   | CITATION REPORT |           |  |
|----------|---|-----------------|-----------|--|
| #<br>240 | ARTICLE<br>Development of nano cement concrete by top-down and bottom-up nanotechnology concept. , 2020, ,<br>183-213.  | IF              | CITATIONS |  |
| 241      | Use of nanotechnology in concrete pavements. , 2020, , 383-401.   |                 | 2         |  |
| 242      | The reolghy effect of nano-MgO on hydration process and some cement mortar properties. AIP Conference Proceedings, 2020, , .  | 0.4             | 1         |  |
| 243      | Functional nanomaterials and their applications toward smart and green buildings. , 2020, , 395-433.  |                 | 5         |  |
| 244      | Characterization of vegetable fibers and their application in cementitious composites. , 2020, , 141-167.   |                 | 6         |  |
| 245      | New age monolithic design-based visible light responsive and reusable photocatalyst material using<br>iron oxide-modified mesoporous titania framework. Bulletin of Materials Science, 2020, 43, 1.     | 1.7             | 1         |  |
| 247      | Effect of the addition of TiO2 nanoparticles in alkali-activated materials. Construction and Building<br>Materials, 2020, 245, 118370.  | 7.2             | 21        |  |
| 248      | Digitally Printed AgNPs Doped TiO2 on Commercial Porcelain-GrÃ <sup></sup> s Tiles: Synergistic Effects and<br>Continuous Photocatalytic Antibacterial Activity. Surfaces, 2020, 3, 11-25.              | 2.3             | 18        |  |
| 249      | Recent developments in MnO2-based photocatalysts for organic dye removal: a review. Environmental<br>Science and Pollution Research, 2020, 27, 5759-5778.   | 5.3             | 113       |  |
| 250      | Piezoresistivity of Cement Matrix Composites Incorporating Multiwalled Carbon Nanotubes due to<br>Moisture Variation. Advances in Civil Engineering, 2020, 2020, 1-11.                                  | 0.7             | 0         |  |
| 251      | Influence of Incorporation of Colloidal Nano-Silica on Behaviour of Concrete. Iranian Journal of<br>Science and Technology - Transactions of Civil Engineering, 2020, 44, 657-668.                      | 1.9             | 26        |  |
| 252      | Combined use of superabsorbent polymers and nanosilica for reduction of restrained shrinkage and strength compensation in cementitious mortars. Construction and Building Materials, 2020, 251, 118966. | 7.2             | 42        |  |
| 253      | Photocatalytic properties, mechanical strength and durability of TiO2/cement composites prepared by a spraying method for removal of organic pollutants. Chemosphere, 2020, 254, 126813.                | 8.2             | 33        |  |
| 254      | Numerical and experimental investigation on mechanical and thermal behaviour of brick masonry: An efficient consumption of ultrafine fly ash. Construction and Building Materials, 2020, 253, 119232.   | 7.2             | 14        |  |
| 255      | Effect of Nano-CaCO <sub>3</sub> on the Mechanical Properties and Durability of Concrete<br>Incorporating Fly Ash. Advances in Materials Science and Engineering, 2020, 2020, 1-10.                     | 1.8             | 14        |  |
| 256      | Environmental safety of biotechnological materials and processes. , 2020, , 359-375.  |                 | 2         |  |

| 257 | Improve the mechanical properties of lightweight foamed concrete by using nanomodified sand.<br>Journal of Building Engineering, 2021, 34, 101923.                      | 3.4 | 5  |
|-----|---|-----|----|
| 258 | AC impedance spectroscopy (AC-IS) analysis to characterize the effect of nanomaterials in cement-based mortars. Construction and Building Materials, 2021, 269, 121260. | 7.2 | 18 |

**CITATION REPORT** IF CITATIONS Impact of nanotechnology on high performance cement and concrete. Journal of Molecular 3.6 12 Structure, 2021, 1223, 128896. Coating of photocatalytic TiO2 and TiO2-K2O×nSiO2 nanocomposite thin films on limestone: Accelerated rainfall erosion tests. Construction and Building Materials, 2021, 271, 121552. Influence of mesoscale heterogeneous and initial defects on the fracture of cement-treated base 7.2 13 materials. Construction and Building Materials, 2021, 272, 121669. Optimizing the content of nano-SiO2, nano-TiO2 and nano-CaCO3 in Portland cement paste by response surface methodology. Journal of Building Engineering, 2021, 35, 102073. Bond Strength Between Concrete Substrate and Reinforced Polyester Composites. Journal of 2.5 1 Materials Engineering and Performance, 2021, 30, 56-65. The halloysite nanotube effects on workability, mechanical properties, permeability and microstructure of cementitious mortar. Construction and Building Materials, 2021, 267, 120873. Nanoscale Construction Biotechnology for Cementitious Materials: A Prospectus. Frontiers in 2.4 8 TiO2 in the building sector., 2021, , 449-479. Hardness and Non-Destructive Testing (NDT) of Ceramic Matrix Composites (CMCs)., 2021, 183-201. 1 TiO2 Supported on Clay–Cement Hybrid Materials and Wood Fibers as Photocatalyst for Phenol 0.2 Photodegradation. Environmental Science and Engineering, 2021, , 1485-1490. Influence of TiO2 Nanoparticles on the Resistance of Cementitious Composite Materials to the Action 2.9 5 of Bacteria. Materials, 2021, 14, 1074.

| 270 | Design for maintainability tool for nano-faAsade coating applications on high-rise facades in the tropics. Built Environment Project and Asset Management, 2022, 12, 70-95.  | 1.6 | 1  |
|-----|--|-----|----|
| 271 | Resistance of graphene oxide-modified cement pastes to hydrochloric acid attack. Construction and<br>Building Materials, 2021, 273, 121990.  | 7.2 | 30 |
| 272 | Damage Detection of Carbon Nanotube Cementitious Composites Using Thermal and Electrical Resistance Properties. Applied Sciences (Switzerland), 2021, 11, 2955.  | 2.5 | 3  |
| 273 | The chloride-induced corrosion of a fly ash concrete with nanoparticles and corrosion inhibitor.<br>Construction and Building Materials, 2021, 274, 122097.  | 7.2 | 27 |
| 274 | New composite material based on Kaolinite, cement, TiO2 for efficient removal of phenol by photocatalysis. Environmental Science and Pollution Research, 2021, 28, 35991-36003.                                    | 5.3 | 6  |
| 275 | Synthesis and Photocatalytic Performance of Calcined Zn–Al–Ti-Lamellar Double Hydroxides for<br>Building Material Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2021,<br>31, 3137. | 3.7 | 1  |
| 276 | Recent Advances in Indentation Techniques and Their Application to Mechanical Characterization.<br>Materials Transactions, 2021, 62, 563-569.  | 1.2 | 5  |

ARTICLE

#

259

261

263

264

265

266

267

269

Materials, 2021, 7, .

|     | CITATION   | Report |           |
|-----|--|--------|-----------|
| #   | Article  | IF     | Citations |
| 277 | Investigation on effect of nanosilica dispersion on the properties and microstructures of fly ash-based geopolymer composite. Construction and Building Materials, 2021, 282, 122690.                    | 7.2    | 25        |
| 278 | Remediation of noxious pollutants using nano-titania-based photocatalytic construction materials: a review. Environmental Science and Pollution Research, 2021, 28, 34087-34107.                         | 5.3    | 10        |
| 279 | Mechanical, durability, depolluting and electrical properties of multifunctional mortars prepared with commercial or waste carbon-based fillers. Construction and Building Materials, 2021, 283, 122768. | 7.2    | 6         |
| 280 | Impact of Incorporating NIR Reflective Pigments in Finishing Coatings of ETICS. Infrastructures, 2021, 6, 79.  | 2.8    | 18        |
| 281 | Integrated LCA-LCC assessment model of offsite, onsite, and conventional construction systems.<br>Journal of Asian Architecture and Building Engineering, 2022, 21, 2058-2080.                           | 2.0    | 8         |
| 282 | The effect of using nano rice husk ash of different burning degrees on ultra-high-performance concrete properties. Construction and Building Materials, 2021, 290, 123279.                               | 7.2    | 117       |
| 283 | Stormwater Runoff Treatment Using Pervious Concrete Modified with Various Nanomaterials: A<br>Comprehensive Review. Sustainability, 2021, 13, 8552.  | 3.2    | 16        |
| 284 | Progress of functionalized TiO2-based nanomaterials in the construction industry: A comprehensive review. Chemical Engineering Journal, 2022, 430, 132062.   | 12.7   | 47        |
| 285 | Superhydrophobic behavior of coatings based on fluoroalkyl methacrylate copolymers on a textured aluminum surface. Surfaces and Interfaces, 2021, 25, 101255.  | 3.0    | 6         |
| 286 | The Impact of Nano-Al2O3 on the Physical and Strength Properties as Well as on the Morphology of Cement Composite Crack Surfaces in the Early and Later Maturation Age. Materials, 2021, 14, 4441.       | 2.9    | 9         |
| 287 | Investigating the elastic modulus and hardness properties of a high entropy alloy coating using nanoindentation. International Journal of Lightweight Materials and Manufacture, 2021, 4, 339-345.       | 2.1    | 19        |
| 288 | Influence of nano-silica on the performances of concrete under the negative-temperature curing condition. Cold Regions Science and Technology, 2021, 191, 103357.  | 3.5    | 15        |
| 289 | Effect of nanomaterials inclusion on sustainability of cement-based concretes: A comprehensive review. Construction and Building Materials, 2021, 306, 124850.   | 7.2    | 86        |
| 290 | Modern applications and current status of green nanotechnology in environmental industry. , 2022, , 259-281.   |        | 12        |
| 291 | Towards understanding the link between the deterioration of building materials and the nature of aerophytic green algae. Science of the Total Environment, 2022, 802, 149856.                            | 8.0    | 19        |
| 292 | Application of Nanoparticles in Manufacturing. , 2016, , 1219-1278.  |        | 3         |
| 293 | Nanotech Based Vacuum Insulation Panels for Building Applications. , 2016, , 167-214.  |        | 4         |
| 294 | Alteration of Nano Metakaolin for Ultra High Performance Concrete. , 2014, , 887-894.  |        | 10        |

| #   | ARTICLE<br>The recent advancement of low-dimensional nanostructured materials for drug delivery and drug   | IF  | CITATIONS |
|-----|--|-----|-----------|
| 290 | sensing application: A brief review. Journal of Molecular Liquids, 2020, 320, 114427.<br>Role of polymeric composite in civil engineering applications: a review. Polymer-Plastics Technology<br>and Materials, 2020, 59, 1023-1040. | 1.3 | 11        |
| 298 | Characteristics of sustainable concrete incorporating recycled coarse aggregates and colloidal nano-silica. Advances in Concrete Construction, 2015, 3, 187-202.   | 0.4 | 25        |
| 299 | Fracture energy and tension softening relation for nano-modified concrete. Structural Engineering and Mechanics, 2015, 54, 1201-1216.  | 1.0 | 19        |
| 300 | Experimental study on photocatalytic degradation efficiency of mixed crystal nano-TiO <sub>2</sub><br>concrete. Nanotechnology Reviews, 2020, 9, 219-229.  | 5.8 | 28        |
| 301 | A Scoping Review on Integrating Inorganic Nanomaterials into Cement Composites. Advances in Civil<br>Engineering Materials, 2019, 8, 526-553.  | 0.6 | 4         |
| 302 | Thermodynamic tests with nano-ceramic thermal insulation coatings. Pollack Periodica, 2017, 12, 135-145.   | 0.4 | 8         |
| 303 | NANO-TECHNOLOGICAL PRODUCTS IN ARCHITECTURE AND CONSTRUCTION. Holos, 0, 2, 34-51.  | 0.0 | 6         |
| 304 | Gasification Char and Used Foundry Sand as Alternative Fillers to Graphene Nanoplatelets for<br>Electrically Conductive Mortars with and without Virgin/Recycled Carbon Fibres. Applied Sciences<br>(Switzerland), 2021, 11, 50.     | 2.5 | 17        |
| 305 | Non-conventional cement-based composites reinforced with vegetable fibers: A review of strategies to improve durability. Materiales De Construccion, 2015, 65, e041.   | 0.7 | 33        |
| 306 | Can Carbon Nanotubes Make Wonders in Civil/Structural Engineering?. Progress in Nanotechnology and Nanomaterials, 2013, 2, 117-129.  | 1.3 | 15        |
| 307 | Chloride Penetration in mortars with replacements of rice husk Ash and nano-SiO2. IOSR Journal of Engineering, 2013, 3, 24-30.   | 0.1 | 3         |
| 308 | Recent Advancements in the Nanomaterial Application in Concrete and Its Ecological Impact. Materials, 2021, 14, 6387.  | 2.9 | 28        |
| 309 | Nanomaterial in cement industry: a brief review. Innovative Infrastructure Solutions, 2022, 7, 1.  | 2.2 | 8         |
| 310 | Nanomaterials with high solar reflectance as an emerging path towards energy-efficient envelope systems: a review. Journal of Materials Science, 2021, 56, 19791-19839.  | 3.7 | 18        |
| 311 | Spray-Dry Agglomerated Nanoparticles in Ordinary Portland Cement Matrix. Materials Sciences and Applications, 2014, 05, 837-844.   | 0.4 | 1         |
| 312 | Influence of Nano-Barium Sulfate Agglomeration on Microstructure and Properties of the Hardened<br>Cement-Based Materials. Journal of Materials Science and Chemical Engineering, 2015, 03, 72-81.                                   | 0.4 | 0         |
| 313 | Applications of Nanotechnology in Transportation Engineering. Advances in Civil and Industrial Engineering Book Series, 2016, , 180-207.   | 0.2 | 0         |

|     | Citation   | Report    |           |
|-----|--|-----------|-----------|
| #   | Article  | IF        | CITATIONS |
| 314 | Potencjalne zastosowanie nanotechnologii w technologii betonu. MateriaÅy Budowlane, 2016, 1, 27-30.  | 0.1       | 0         |
| 316 | Nanoclay and Calcined Nanoclay-Cement Matrix: Microstructres, Physical, Mechanical and Thermal<br>Properties. Springer Briefs in Molecular Science, 2017, , 37-54.   | 0.1       | 0         |
| 317 | Durability of Naoh-Treated Hemp Fabric and Calcined Nanoclay-Reinforced Cement Nanocomposites.<br>Springer Briefs in Molecular Science, 2017, , 77-88.   | 0.1       | 0         |
| 318 | Series of Experiments with Thermal Insulation Coatings Consisted of Vacuum-Hollow Nano-Ceramic<br>Microspheres. Acta Technica Jaurinensis, 2018, 11, 17-33.  | 1.1       | 2         |
| 319 | Nanocalcined Clay and Nanolime as Stabilizing Agents for Expansive Clayey Soil: Some Geotechnical<br>Properties. Advances in Civil Engineering Materials, 2019, 8, 327-345.  | 0.6       | 4         |
| 320 | Superplasticizer-Nanosilica Compatibility: Assessment and Optimization. ACI Materials Journal, 2019, 116, .  | 0.2       | Ο         |
| 321 | Recycled concrete artifacts: towards sustainability of civil construction. Independent Journal of Management & Production, 2019, 10, 1242.   | 0.4       | 0         |
| 322 | Nanoenabled Products Applied on Construction Sector. New Risks for Workers. , 2020, , 1000-1007.   |           | 0         |
| 323 | Pathway of Concrete Improvement Via Nano-Technology. Ingenio, 2019, 2, 52-61.  | 0.2       | 1         |
| 324 | Bio-nanotechnology Application in Wastewater Treatment. Water Science and Technology Library, 2020, , 33-58.   | 0.3       | 1         |
| 325 | Applications of Nanotechnology in Transportation Engineering. , 2020, , 934-955.   |           | 0         |
| 326 | Cement Hydration Extents for Hardened Cement Paste Incorporating Nanosized-Palm Oil Fuel Ash: A<br>Thermal and XRD Analysis Study. Lecture Notes in Civil Engineering, 2020, , 61-70.  | 0.4       | 3         |
| 327 | Advances in nanotechnology and the benefits of using cellulose nanofibers in animal nutrition.<br>Veterinary World, 2021, 14, 2843-2850.   | 1.7       | 3         |
| 328 | Comparação da resistência à compressão axial de concretos de alta resistência (CAR) com inserção c<br>nanotubos de carbono (NTC) e cinzas de casca de arroz (CCA) / Comparison of axial compressive<br>strength of high strength concrete (HSC) with insertion of carbon nanotubes (NTC) and rice husk ash<br>(CCA). Brazilian Journal of Development, 2021, 7, 99557-99577. | le<br>0.1 | 0         |
| 329 | Durability and Safety Performance of Pavements with Added Photocatalysts. Applied Sciences (Switzerland), 2021, 11, 11277.   | 2.5       | 1         |
| 331 | Recent review on synthesis, evaluation, and SWOT analysis of nanostructured cellulose in construction applications. Journal of Building Engineering, 2022, 46, 103747.   | 3.4       | 18        |
| 332 | Nanotechnology as a Sustainable Approach for Achieving Sustainable Future. World Journal of Engineering and Technology, 2021, 09, 877-890.   | 0.5       | 0         |
| 334 | Nanotechnology for waste wood recycling. , 2022, , 61-80.  |           | 6         |

| #   | Article   | IF        | CITATIONS |
|-----|---|-----------|-----------|
| 335 | Physicomechanical and Antimicrobial Characteristics of Cement Composites with Selected Nano-Sized Oxides and Binary Oxide Systems. Materials, 2022, 15, 661.  | 2.9       | 10        |
| 336 | Mechanical Similarity Principle for Measurement Metal Hardness. Materials Science Forum, 0, 1052, 33-37.  | 0.3       | 1         |
| 337 | Formulation and evaluation of surface-fluorinated microsized-TiO2 based self-cleaning cement:<br>characterization, self-cleaning, depollution and antimicrobial study. Chemical Papers, 2022, 76,<br>3201-3214.   | 2.2       | 6         |
| 338 | Rheological behaviour, mechanical performance, and anti-fungal activity of OPC-granite waste composite modified with zinc oxide dust. Journal of Cleaner Production, 2022, 341, 130877.   | 9.3       | 29        |
| 340 | Thermal insulation of buildings through classical materials and nanomaterials. , 2022, , 277-303.   |           | 1         |
| 341 | Contribution of TiO2 and ZnO nanoparticles to the hydration of Portland cement and photocatalytic properties of High Performance Concrete. Case Studies in Construction Materials, 2022, 16, e00965.  | 1.7       | 5         |
| 342 | Thermal Conductivity and Mechanical Properties of Organo -Clay-Wood Fiber in Cement-Based Mortar.<br>, 0, , .   |           | 0         |
| 343 | Effect of CNT-COOH Addition on the Compressive Strength, Chloride Resistance, and Microstructure of Cement Mortar. Advances in Materials Science and Engineering, 2022, 2022, 1-9.  | 1.8       | 0         |
| 345 | Self-Healing Concrete as a Prospective Construction Material: A Review. Materials, 2022, 15, 3214.  | 2.9       | 32        |
| 346 | Experimental study and theoretical prediction of mechanical properties of ultra-high-performance concrete incorporated with nanorice husk ash burning at different temperature treatments. Environmental Science and Pollution Research, 2022, 29, 75380-75401. | 5.3       | 21        |
| 347 | Application of Innovative Materials and Methods in Green Buildings and Associated Occupational<br>Exposure and Health of Construction Workers: A Systematic Literature Review. Journal of<br>Construction Engineering and Management - ASCE, 2022, 148, .       | 3.8       | 0         |
| 348 | Grafen oksit katkılı yeni nesil harçlarda dozaj ve doğru akım şiddetinin etkilerinin araştırılması. J<br>the Faculty of Engineering and Architecture of Gazi University, 2022, 38, 421-434.   | ournal of | 1         |
| 349 | Energy-saving optimization based on residential building orientation and shape with multifactor<br>coupling in the Tibetan areas of western Sichuan, China. Journal of Asian Architecture and Building<br>Engineering, 2023, 22, 1476-1491.                     | 2.0       | 6         |
| 351 | Investigation on Mechanical Durability Properties of High-Performance Concrete with Nanosilica and<br>Copper Slag. Journal of Nanomaterials, 2022, 2022, 1-8.   | 2.7       | 1         |
| 352 | Utilizing graphene oxide in cementitious composites: A systematic review. Case Studies in<br>Construction Materials, 2022, 17, e01359.  | 1.7       | 5         |
| 353 | Nanomaterials in recycled aggregates concrete applications: mechanical properties and durability. A review. Cogent Engineering, 2022, 9, .  | 2.2       | 7         |
| 354 | Era connecting nanotechnology with agricultural sustainability: issues and challenges.<br>Nanotechnology for Environmental Engineering, 2023, 8, 481-498.   | 3.3       | 6         |
| 355 | Calixarene Derivatives: A Mini-Review on their Synthesis and Demands in Nanosensors and Biomedical<br>Fields. Mini-Reviews in Medicinal Chemistry, 2023, 23, 734-745.   | 2.4       | 1         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 356 | Spray oating of Superhydrophobic Coatings for Advanced Applications. Advanced Engineering<br>Materials, 2023, 25, .   | 3.5  | 4         |
| 357 | Nanotechnology in Residential Building Materials for Better Fire Protection and Life Safety<br>Outcomes. Fire, 2022, 5, 174.  | 2.8  | 4         |
| 358 | A review of carbon fiber surface modification methods for tailor-made bond behavior with cementitious matrices. Progress in Materials Science, 2023, 132, 101040.   | 32.8 | 13        |
| 359 | Fresh properties, rheological behavior and structural evolution of cement pastes optimized using<br>highly dispersed in situ controllably grown Nano-SiO2. Cement and Concrete Composites, 2023, 135,<br>104828.                    | 10.7 | 18        |
| 360 | What we learn is what we earn from sustainable and circular construction. Journal of Cleaner Production, 2023, 382, 135183.   | 9.3  | 5         |
| 361 | Mechanical, Permeability, and Photocatalytic Properties of White Ultrahigh-Performance Concrete with Nano-TiO2. Journal of Materials in Civil Engineering, 2023, 35, .  | 2.9  | 1         |
| 362 | Effect of nano-silica on mechanical, microstructural and durability properties of cement-based materials: A review. Journal of Building Engineering, 2023, 65, 105676.  | 3.4  | 11        |
| 363 | Nanomaterials in facades A Tool Towards Environmental Sustainability in Egypt. IOP Conference<br>Series: Earth and Environmental Science, 2022, 1113, 012019.   | 0.3  | 0         |
| 364 | Inclusion of Soybean Hulls (Glycine max) and Pupunha Peach Palm (Bactris gasipaes) Nanofibers in the<br>Diet of Growing Rabbits: Effects on Zootechnical Performance and Intestinal Health. Animals, 2023, 13,<br>192.              | 2.3  | 0         |
| 365 | An Investigation on Mechanical Characteristics of Carbon Nanomaterials Used in Cementitious Composites. , 2022, , 1-22.   |      | 1         |
| 366 | Impact of unique mixing methodology on macro and microstructural characteristics of concrete containing slag and fly ash. Journal of Building Pathology and Rehabilitation, 2023, 8, .  | 1.5  | 0         |
| 367 | Synergetic effects of hybrid nano-blended cement on mechanical properties of conventional concrete: Experimental and analytical evaluation. Structures, 2023, 48, 1519-1536.  | 3.6  | 5         |
| 368 | Hardened oil well cement paste modified with TiO2@SiO2 nanoparticles: Physical and chemical properties. Construction and Building Materials, 2023, 367, 130282.   | 7.2  | 2         |
| 369 | Photocatalytic recycled aggregate concrete for air-purifying purpose. , 2023, , 209-226.  |      | 0         |
| 370 | Durability performance of nano-SiO2 modified OPC-SAC composites subjected to sulfuric acid attack.<br>Construction and Building Materials, 2023, 371, 130802.   | 7.2  | 11        |
| 371 | Novel in-situ controllably grown CSH: Synthesis, characterization and the effect on cement hydration. Cement and Concrete Composites, 2023, 139, 105044.  | 10.7 | 6         |
| 372 | Durability performance of multi-walled carbon nanotube reinforced ordinary Portland/calcium sulfoaluminate cement composites to sulfuric acid attack at early stage. Materials Today Communications, 2023, 35, 105748.              | 1.9  | 3         |
| 373 | Synthesis and characterization of Nano ashes from different waste materials and their effects on the compressive strength of sustainable concrete: A systematic review. Sulaimani Journal for Engineering Sciences, 2023, 9, 10-22. | 0.0  | 0         |

| #<br>375 | ARTICLE<br>Dispersion of in-situ controllably grown nano-SiO2 in alkaline environment for improving cement<br>paste. Construction and Building Materials, 2023, 369, 130460.   | IF<br>7.2 | CITATIONS |
|----------|--|-----------|-----------|
| 376      | A Review on Concrete Composites Modified with Nanoparticles. Journal of Composites Science, 2023, 7,<br>67.  | 3.0       | 14        |
| 377      | Engineered Wood: Sustainable Technologies and Applications. Annual Review of Materials Research, 2023, 53, 195-223.  | 9.3       | 3         |
| 378      | An Investigation on Mechanical Characteristics of Carbon Nanomaterials Used in Cementitious<br>Composites. , 2023, , 2309-2330.  |           | 0         |
| 379      | Photocatalytic nanoscale polymer-based coatings. , 2023, , 585-611.  |           | 0         |
| 380      | Nanomaterials as Promising Additives for High-Performance 3D-Printed Concrete: A Critical Review.<br>Nanomaterials, 2023, 13, 1440.  | 4.1       | 2         |
| 381      | Study on Effect of Nano-CaCO3 on Properties of Phosphorus Building Gypsum. Materials, 2023, 16, 3354.  | 2.9       | 1         |
| 382      | Analysis of concrete mechanical properties when adding type-E glass fibers. Journal of Building<br>Pathology and Rehabilitation, 2023, 8, .  | 1.5       | 2         |
| 383      | Commercial and recycled carbon-based fillers and fibers for self-sensing cement-based composites:<br>Comparison of mechanical strength, durability, and piezoresistive behavior. Journal of Building<br>Engineering, 2023, 73, 106836. | 3.4       | 4         |
| 385      | Nanomaterials: An overview of synthesis, classification, characterization, and applications. Nano<br>Select, 2023, 4, 486-501.   | 3.7       | 20        |
| 386      | The Application of Laponite Nanoparticle to Lessen the Risks of Liquefaction: An Emerging Technique for Sand Improvement (A Review). Soil Mechanics and Foundation Engineering, 0, , .   | 0.7       | 0         |
| 387      | Corrosion Resistance, Porosity and Strength of Blended Portland Cement Mortar Containing Rice<br>Husk Ash And Nano-SiO2. International Journal of Electrochemical Science, 2013, 8, 10697-10710.                                       | 1.3       | 21        |
| 388      | Review of Geopolymer Nanocomposites: Novel Materials for Sustainable Development. Materials, 2023, 16, 3478.   | 2.9       | 4         |
| 389      | Properties, applications, and prospects of carbon nanotubes in the construction industry.<br>Architecture, Structures and Construction, 2023, 3, 289-298.  | 1.5       | 2         |
| 390      | Accelerated Corrosion Test in Mortars of Plastic Consistency with Replacement of Rice Husk Ash and Nano-SiO2. International Journal of Electrochemical Science, 2015, 10, 8630-8643.   | 1.3       | 5         |
| 391      | Achieving strength and sustainability in ternary blended Concrete: Leveraging industrial and agricultural By-Products with controlled Nano-SiO2 content. Cleaner Materials, 2023, 9, 100198.   | 5.1       | 2         |
| 392      | Optimising the material emissions of single-dwelling residential buildings using the dynamic life cycle iteration protocols. Scientific African, 2023, 21, e01803.   | 1.5       | 0         |
| 393      | Characterization and photocatalytic performance of cement mortars with incorporation of TiO2 and mineral admixtures. Environmental Science and Pollution Research, 2023, 30, 95537-95549.  | 5.3       | 2         |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 394 | Layer-by-layer assembly induced strong, hydrophobic and anti-bacterial TEMPO oxidized cellulose<br>nanofibrils films for highly efficient UV-shielding and oil-water separation. International Journal of<br>Biological Macromolecules, 2023, 253, 126486. | 7.5  | 3         |
| 396 | Synthesis and characterization of ZnO nanoparticles for modifying thermal and mechanical properties of industrial substrates. Journal of Materials Science: Materials in Electronics, 2023, 34, .  | 2.2  | 0         |
| 397 | MICROSTRUCTURAL ANALYSIS OF ALLOWANCED CEMENTITIOUS MORTAR WITH DIFERENTS NANOPARTICLES. , 2023, , .   |      | 0         |
| 398 | Analyzing the Effects of Nano-Titanium Dioxide and Nano-Zinc Oxide Nanoparticles on the Mechanical and Durability Properties of Self-Cleaning Concrete. Materials, 2023, 16, 6909.   | 2.9  | 1         |
| 399 | Degradation of Mechanical Properties of Graphene Oxide Concrete under Sulfate Attack and<br>Freeze–Thaw Cycle Environment. Materials, 2023, 16, 6949.  | 2.9  | 0         |
| 400 | Analytical Gas Sensing in the Terahertz Spectral Range. Micromachines, 2023, 14, 1987.   | 2.9  | 0         |
| 401 | An updated review on scientometric analysis and physico-mechanical performance of nanomaterials in cementitious composites. Structures, 2023, 58, 105421.  | 3.6  | 0         |
| 402 | Photocatalytic Concrete Using ZnO and Al <sub>2</sub> O <sub>3</sub> - A Review. E3S Web of Conferences, 2023, 445, 01028.   | 0.5  | 0         |
| 403 | Investigation of the Self-Cleaning Property of Photocatalytic Coatings at a Laboratory Scale.<br>Photochem, 2023, 3, 461-476.  | 2.2  | 0         |
| 404 | llluminating new frontiers: Harnessing nanoscale photocatalysis for sustainable C-H<br>functionalization reactions with visible light. Coordination Chemistry Reviews, 2024, 502, 215607.  | 18.8 | Ο         |
| 405 | Influence of graphene oxide in the hydration mechanism by reinforcing mechanical strength and<br>microstructural Characterization of ultra-high-performance concrete (UHPC). Journal of Dispersion<br>Science and Technology, 0, , 1-18.                   | 2.4  | 0         |
| 406 | Mechanical and fatigue properties of graphene oxide concrete subjected to sulfate corrosion.<br>Frontiers in Materials, 0, 10, .   | 2.4  | Ο         |
| 407 | Study on effects of TiO <sub>2</sub> Nano particles on properties of concrete. IOP Conference Series:<br>Earth and Environmental Science, 2023, 1280, 012007.  | 0.3  | 0         |
| 409 | Construction biotechnology: The promise of sustainable buildings. Reciklaža I Održivi Razvoj, 2023, 16,<br>41-49.  | 0.5  | 0         |
| 410 | Theoretical Model for the Stress–Strain Curve of CNT-Reinforced Concrete under Uniaxial<br>Compression. Buildings, 2024, 14, 418.  | 3.1  | 0         |
| 411 | Investigation of energy performance of nanotechnological material and double-skin facade system in office buildings in Turkiye. Intelligent Buildings International, 0, , 1-15.  | 2.3  | 0         |
| 412 | Influence of Nano-Fly Ash on mechanical properties, microstructure characteristics and<br>sustainability analysis of Alkali Activated Concrete. Developments in the Built Environment, 2024, 17,<br>100352.  | 4.0  | 0         |
| 413 | Metals: issues with everyday use and toxicity within standard construction metals. , 2024, , 221-246.  |      | 0         |