# ElÅ¼bieta K Horszczaruk

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 1,528 citations | 279701 23 h-index | 315616 38 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1464 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of Nano-SiO2 on the Microstructure and Mechanical Properties of Concrete under High Temperature Conditions. Materials, 2022, 15, 166. | 1.3 | 13 |
| 2 | Use of Fluidized Bed Combustion Fly Ash as a Partial Substitute for Cement in Underwater Concrete Mixes. Materials, 2022, 15, 4809. | 1.3 | 1 |
| 3 | Influence of surface preparation on adhesion of underwater repair concretes under hydrostatic pressure. Construction and Building Materials, 2021, 310, 125153. | 3.2 | 8 |
| 4 | Effects of Elevated Temperatures on the Properties of Cement Mortars with the Iron Oxides Concentrate. Materials, 2021, 14, 148. | 1.3 | 2 |
| 5 | Influence of Dispersing Method on the Quality of Nano-Admixtures Homogenization in Cement Matrix. Materials, 2020, 13, 4865. | 1.3 | 21 |
| 6 | Mechanical properties cement based composites modified with nano-Fe3O4/SiO2. Construction and Building Materials, 2020, 251, 118945. | 3.2 | 15 |
| 7 | Chloride corrosion resistance of underwater repair concrete in terms of the cutting effects of hydrostatic pressure. Budownictwo I Architektura, 2020, 12, 161-168. | 0.1 | 0 |
| 8 | Properties of Cement-Based Composites Modified with Magnetite Nanoparticles: A Review. Materials, 2019, 12, 326. | 1.3 | 32 |
| 9 | Mechanical Properties of Mortars Containing Waste Glass Powder. Periodica Polytechnica Architecture, 2019, 50, 30-34. | 0.1 | 1 |
| 10 | Investigation of gamma ray shielding efficiency and physicomechanical performances of heavyweight concrete subjected to high temperature. Construction and Building Materials, 2019, 195, 574-582. | 3.2 | 29 |
| 11 | Incorporation of magnetite powder as a cement additive for improving thermal resistance and gamma-ray shielding properties of cement-based composites. Construction and Building Materials, 2019, 204, 113-121. | 3.2 | 29 |
| 12 | The effect of nanomaterials on thermal resistance of cement-based composites exposed to elevated temperature. Materials Today: Proceedings, 2018, 5, 15968-15975. | 0.9 | 9 |
| 13 | External treatments for the preventive repair of existing constructions: A review. Construction and Building Materials, 2018, 193, 435-452. | 3.2 | 68 |
| 14 | Application of the nanoindentation method in assessing of properties of cement composites modified with silica-magnetite nanostructures. MATEC Web of Conferences, 2018, 163, 02002. | 0.1 | 1 |
| 15 | The effects of Fe3O4 and Fe3O4/SiO2 nanoparticles on the mechanical properties of cement mortars exposed to elevated temperatures. Construction and Building Materials, 2018, 182, 441-450. | 3.2 | 28 |
| 16 | Use of a 3D scanner for imaging concrete sample surfaces abraded with the ASTM C 1138 method. , 2018, , . | | 3 |
| 17 | ANALYSIS OF THE ASSESSMENT OF THE CONSUMPTION STATE OF CONCRETE ABRASIVE SURFACES USING SPATIAL SCANNING. Tribologia, 2018, 282, 31-35. | 0.0 | 0 |
| 18 | Waste-free synthesis of silica nanospheres and silica nanocoatings from recycled ethanolâ€“ammonium solution. Chemical Papers, 2017, 71, 841-848. | 1.0 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Influence of Natural and Nano-additives on Early Strength of Cement Mortars. Procedia Engineering, 2017, 172, 127-134. | 1.2 | 13 |
| 20 | The effect of elevated temperature on the properties of cement mortars containing nanosilica and heavyweight aggregates. Construction and Building Materials, 2017, 137, 420-431. | 3.2 | 105 |
| 21 | Chemical and thermal stability of core-shelled magnetite nanoparticles and solid silica. Applied Surface Science, 2017, 407, 391-397. | 3.1 | 56 |
| 22 | Thermal Properties of Cement Mortars Containing Waste Glass Aggregate and Nanosilica. Procedia Engineering, 2017, 196, 159-166. | 1.2 | 67 |
| 23 | Properties of Underwater Concretes Containing Large Amount of Fly Ashes. Procedia Engineering, 2017, 196, 97-104. | 1.2 | 16 |
| 24 | Properties of Cement Composites Modified with Silica-magnetite Nanostructures. Procedia Engineering, 2017, 196, 105-112. | 1.2 | 7 |
| 25 | The effects of silica/titania nanocomposite on the mechanical and bactericidal properties of cement mortars. Construction and Building Materials, 2017, 150, 738-746. | 3.2 | 83 |
| 26 | Effects of fluidal fly ash on abrasion resistance of underwater repair concrete. Wear, 2017, 376-377, 15-21. | 1.5 | 35 |
| 27 | Evaluation of the Effects of Crushed and Expanded Waste Glass Aggregates on the Material Properties of Lightweight Concrete Using Image-Based Approaches. Materials, 2017, 10, 1354. | 1.3 | 85 |
| 28 | Characterization of Mechanical and Bactericidal Properties of Cement Mortars Containing Waste Glass Aggregate and Nanomaterials. Materials, 2016, 9, 701. | 1.3 | 70 |
| 29 | Application of Nanomaterials in Production of Self-Sensing Concretes: Contemporary Developments and Prospects. Archives of Civil Engineering, 2016, 62, 61-74. | 0.7 | 11 |
| 30 | The Influence of Nano-Fe3O4 on the Microstructure and Mechanical Properties of Cementitious Composites. Nanoscale Research Letters, 2016, 11, 182. | 3.1 | 92 |
| 31 | Mechanical Properties of Shielding Concrete with Magnetite Aggregate Subjected to High Temperature. Procedia Engineering, 2015, 108, 39-46. | 1.2 | 62 |
| 32 | The Effect of Nanosilica on the Mechanical Properties of polymer-Cement Composites (PCC). Procedia Engineering, 2015, 108, 139-145. | 1.2 | 39 |
| 33 | Nanocomposite of cement/graphene oxide â€“ Impact on hydration kinetics and Youngâ€™s modulus. Construction and Building Materials, 2015, 78, 234-242. | 3.2 | 168 |
| 34 | The Effect of Nanosilica and Titanium Dioxide on the Mechanical and Self-Cleaning Properties of Waste-Glass Cement Mortar. Procedia Engineering, 2015, 108, 146-153. | 1.2 | 33 |
| 35 | Bond strength of underwater repair concretes under hydrostatic pressure. Construction and Building Materials, 2014, 72, 167-173. | 3.2 | 31 |
| 36 | Effect of incorporation route on dispersion of mesoporous silica nanospheres in cement mortar. Construction and Building Materials, 2014, 66, 418-421. | 3.2 | 30 |

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|---|---|---|---|
| 37 | Influence of Hydrostatic Pressure on Compressive Strength of Self-consolidating Concrete. Journal of Civil Engineering and Architecture, 2014, 8, . | 0.0 | 4 |
| 38 | Hydro-abrasive erosion of high performance fiber-reinforced concrete. Wear, 2009, 267, 110-115. | 1.5 | 82 |
| 39 | Mathematical model of abrasive wear of high performance concrete. Wear, 2008, 264, 113-118. | 1.5 | 32 |
| 40 | Abrasion resistance of high-strength concrete in hydraulic structures. Wear, 2005, 259, 62-69. | 1.5 | 105 |
| 41 | The model of abrasive wear of concrete in hydraulic structures. Wear, 2004, 256, 787-796. | 1.5 | 32 |