# Piotr Smarzewski

List of Publications by Year
in descending order



| 44 | 820 | 430754 | 501076 |
|---|---|---|---|
| papers | citations | 18 h-index | 28 g-index |

| 44 | 44 | 44 | 538 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of basalt-polypropylene fibres on fracture properties of high performance concrete. Composite Structures, 2019, 209, 23-33. | 3.1 | 103 |
| 2 | Property Assessment of Hybrid Fiber-Reinforced Ultra-High-Performance Concrete. International Journal of Civil Engineering, 2018, 16, 593-606. | 0.9 | 60 |
| 3 | Effect of Short Fiber Reinforcements on Fracture Performance of Cement-Based Materials: A Systematic Review Approach. Materials, 2021, 14, 1745. | 1.3 | 57 |
| 4 | Mechanical and durability related properties of high performance concrete made with coal cinder and waste foundry sand. Construction and Building Materials, 2016, 121, 9-17. | 3.2 | 55 |
| 5 | Effect of Fiber Hybridization on Durability Related Properties of Ultra-High Performance Concrete. International Journal of Concrete Structures and Materials, 2017, 11, 315-325. | 1.4 | 48 |
| 6 | Influence of hydrophobisation on surface free energy of hybrid fiber reinforced ultra-high performance concrete. Construction and Building Materials, 2016, 102, 367-377. | 3.2 | 44 |
| 7 | Flexural toughness evaluation of basalt fibre reinforced HPC beams with and without initial notch. Composite Structures, 2020, 235, 111769. | 3.1 | 35 |
| 8 | Influence of silica fume on mechanical and fracture properties of high performance concrete. Procedia Structural Integrity, 2019, 17, 5-12. | 0.3 | 34 |
| 9 | Analysis of Failure Mechanics in Hybrid Fibre-Reinforced High-Performance Concrete Deep Beams with and without Openings. Materials, 2019, 12, 101. | 1.3 | 34 |
| 10 | Study of Toughness and Macro/Micro-Crack Development of Fibre-Reinforced Ultra-High Performance Concrete After Exposure to Elevated Temperature. Materials, 2019, 12, 1210. | 1.3 | 33 |
| 11 | Hybrid Fibres as Shear Reinforcement in High-Performance Concrete Beams with and without Openings. Applied Sciences (Switzerland), 2018, 8, 2070. | 1.3 | 30 |
| 12 | Flexural Toughness of High-Performance Concrete with Basalt and Polypropylene Short Fibres. Advances in Civil Engineering, 2018, 2018, 1-8. | 0.4 | 29 |
| 13 | Study of the scale effect on diagonal crack propagation in concrete beams. Computational Materials Science, 2012, 64, 216-220. | 1.4 | 26 |
| 14 | Effect of Curing Period on Properties of Steel and Polypropylene Fibre Reinforced Ultra-High Performance Concrete. IOP Conference Series: Materials Science and Engineering, 2017, 245, 032059. | 0.3 | 25 |
| 15 | Mechanical Properties of Ultra-High Performance Concrete with Partial Utilization of Waste Foundry Sand. Buildings, 2020, 10, 11. | 1.4 | 23 |
| 16 | Effect of hydrophobisation on durability related properties of ceramic brick. Construction and Building Materials, 2016, 111, 275-285. | 3.2 | 21 |
| 17 | Properties of Hempâ€“Flax Composites for Use in the Building Industry. Journal of Natural Fibers, 2017, 14, 410-425. | 1.7 | 21 |
| 18 | Comparative Fracture Properties of Four Fibre Reinforced High Performance Cementitious Composites. Materials, 2020, 13, 2612. | 1.3 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Increased water repellence of ceramic buildings by hydrophobisation using high concentration of organic solvents. Energy and Buildings, 2015, 103, 249-260. | 3.1 | 18 |
| 20 | Processes of Cracking and Crushing in Hybrid Fibre Reinforced High-Performance Concrete Slabs. Processes, 2019, 7, 49. | 1.3 | 16 |
| 21 | Free of Volatile Organic Compounds Protection against Moisture in Building Materials/Zabezpieczenia PrzegrÃ³d Budowlanych Przed WilgociÄ... Wolne Od Lotnych ZwiÄ...zkÃ³w Organicznych. Ecological Chemistry and Engineering S, 2014, 21, 401-411. | 0.3 | 15 |
| 22 | Fracture properties of plain and steel-polypropylene-fiber-reinforced high-performance concrete. Materiali in Tehnologije, 2015, 49, 563-571. | 0.3 | 13 |
| 23 | Evaluation of the Contact Angle of Hydrophobised Lightweight-Aggregate Concrete with Sewage Sludge. Ecological Chemistry and Engineering S, 2015, 22, 625-635. | 0.3 | 10 |
| 24 | Study of Bond Strength of Steel Bars in Basalt Fibre Reinforced High Performance Concrete. Crystals, 2020, 10, 436. | 1.0 | 10 |
| 25 | Numerical Modeling Of Diagonal Cracks In Concrete Beams. Archives of Civil Engineering, 2014, 60, 307-322. | 0.7 | 7 |
| 26 | Numerical Analysis of Reinforced Concrete Deep Beams. Lecture Notes in Computer Science, 2017, , 414-421. | 1.0 | 6 |
| 27 | Numerical Study of Soil-Thawing Effect of Composite Piles Using GMsFEM. Journal of Composites Science, 2021, 5, 167. | 1.4 | 5 |
| 28 | The Possibility of Using Boiler Slag as Coarse Aggregate in High Strength Concrete. KSCE Journal of Civil Engineering, 2018, 22, 1816-1826. | 0.9 | 4 |
| 29 | Surface free energy of hydrophobic coatings of hybrid-fiber-reinforced high-performance concrete. Materiali in Tehnologije, 2015, 49, 895-902. | 0.3 | 4 |
| 30 | Methodology of Moisture Measurement in Porous Materials Using Time Domain Reflectometry / Metodyka Prowadzenia BadaÅ„ WilgotnoÅ›ci W OÅ›rodkach Porowatych Za PomocÄ... Reflektometrii W Domenie Czasu. Chemistry, Didactics, Ecology, Metrology, 2014, 19, 97-107. | 0.1 | 3 |
| 31 | Hardening Parameter Homogenization for J2 Flow with Isotropic Hardening of Steel Fiber-Reinforced Concrete Composites. Crystals, 2021, 11, 776. | 1.0 | 2 |
| 32 | Property Assessment of Self-compacting Basalt Fiber Reinforced Concrete. RILEM Bookseries, 2022, , 186-197. | 0.2 | 2 |
| 33 | Numerical Analysis on the High-Strength Concrete Beams Ultimate Behaviour. IOP Conference Series: Materials Science and Engineering, 2017, 245, 032013. | 0.3 | 1 |
| 34 | Numerical solution of reinforced concrete beam using arc-length method. Bulletin of the Military University of Technology, 2016, 65, 33-46. | 0.1 | 1 |
| 35 | Numerical analysis of inelastic reinforced high-strength concrete beams with low reinforcement ratio. Budownictwo I Architektura, 2020, 4, 005-030. | 0.1 | 1 |
| 36 | Experimental testing of high performance fibre reinforced concrete deep beams. Budownictwo I Architektura, 2020, 10, 015-026. | 0.1 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Stany zarysowania i odkształcenia belek żelbetowych z betonu wysokowartościowego z dodatkiem włókien. Bulletin of the Military University of Technology, 2014, 63, 133-143. | 0.1 | 1 |
| 38 | Numerical solution of reinforced concrete beam using Newton-Raphson method with adaptive descent. Bulletin of the Military University of Technology, 2015, 64, 207-221. | 0.1 | 1 |
| 39 | Analysis of limit state of reinforced high performance hybrid fiber concrete deep beams with openings. Budownictwo I Architektura, 2020, 10, 027-036. | 0.1 | 0 |
| 40 | The analysis of deformation states high strength fibre-reinforced concrete plates in flexural. Budownictwo I Architektura, 2020, 10, 037-052. | 0.1 | 0 |
| 41 | Serviceability limit states of high performance reinforced concrete beams with hybrid fibre. Budownictwo I Architektura, 2020, 12, 155-162. | 0.1 | 0 |
| 42 | Stany zarysowania i ugięcia tarcz żelbetowych z otworami z fibrobetonu wysokowartościowego. Bulletin of the Military University of Technology, 2014, 63, 145-155. | 0.1 | 0 |
| 43 | Ocena kąta zwilżania i swobodnej energii powierzchniowej hydrofobizowanego keramzytobetonu. Materiały Budowlane, 2015, 1, 130-133. | 0.0 | 0 |
| 44 | Influence of steel-polypropylene fibers on fracture parameters of high performance concrete. Bulletin of the Military University of Technology, 2016, 65, 69-72. | 0.1 | 0 |