Maciej Szelag

List of Publications by Year in Descending Order

32 papers	421 citations	13 h-index	19 g-index
35 ext. papers	561 ext. citations	3.4 avg, IF	5.23 L-index

#	Paper	IF	Citations
32	Advanced interactions of cement-based materials with microorganisms: A review and future perspective. *Journal of Building Engineering*, **2022**, 45, 103458	5.2	2
31	Effects of Steel Fibers (SF) and Ground Granulated Blast Furnace Slag (GGBS) on Recycled Aggregate Concrete.. *Materials*, **2021**, 14,	3.5	2
30	Effect of the MCM-41 mesoporous silica on the microstructure and performance of cement matrix. *Journal of Building Engineering*, **2021**, 44, 103421	5.2	
29	Nano- and Micro-Modification of Building Reinforcing Bars of Various Types. *Crystals*, **2021**, 11, 323	2.3	5
28	Increase the Performances of Lime Finishing Mixes Due to Modification with Calcium Silicate Hydrates. *Crystals*, **2021**, 11, 399	2.3	7
27	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. *Materials*, **2021**, 14,	3.5	17
26	Utilization of Thermally Treated SiC Nanowhiskers and Superplasticizer for Cementitious Composite Production. *Materials*, **2021**, 14,	3.5	2
25	Intelligent prediction modeling of the post-heating mechanical performance of the brick powder modified cement paste based on the cracking patterns properties. *Case Studies in Construction Materials*, **2021**, 15, e00668	2.7	0
24	Evaluation of Cracking Patterns in Cement Composites-From Basics to Advances: A Review. *Materials*, **2020**, 13,	3.5	11
23	Analysis of the development of cluster cracks in the cement paste modified by microsilica. *Budownictwo I Architektura*, **2020**, 14, 117-127	0.2	7
22	Application of stereology in engineering of building materials. *Budownictwo I Architektura*, **2020**, 14, 115-125	0.2	2
21	Operational phase problems of prefabricated residential buildings on the example of the objects in the Lublin region. *Budownictwo I Architektura*, **2020**, 13, 007-014	0.2	1
20	Application of an Automated Digital Image-Processing Method for Quantitative Assessment of Cracking Patterns in a Lime Cement Matrix. *Sensors*, **2020**, 20,	3.8	4
19	Physico-Mechanical and Rheological Properties of Epoxy Adhesives Modified by Microsilica and Sonication Process. *Materials*, **2020**, 13,	3.5	11
18	Fractal characterization of thermal cracking patterns and fracture zone in low-alkali cement matrix modified with microsilica. *Cement and Concrete Composites*, **2020**, 114, 103732	8.6	14
17	Properties of Cracking Patterns of Multi-Walled Carbon Nanotube-Reinforced Cement Matrix. *Materials*, **2019**, 12,	3.5	13
16	The Use of Fragmented, Worn-Out Car Side Windows as an Aggregate for Cementitious Composites. *Materials*, **2019**, 12,	3.5	10

15	Viscosity and Free Surface Energy as Parameters Describing the Adhesion of the Epoxy Resin to the Substrate. *IOP Conference Series: Materials Science and Engineering*, **2019**, 484, 012003	0.4	2
14	Modifications of Epoxy Resins and their Influence on their Viscosity. *IOP Conference Series: Materials Science and Engineering*, **2019**, 471, 022038	0.4	6
13	Evaluation of cracking patterns of cement paste containing polypropylene fibers. *Composite Structures*, **2019**, 220, 402-411	5.3	25
12	Evaluation of Dependencies between Physico-Mechanical Properties and the Thermal Cracks Geometry of Cement Pastes Modified with Metakaolinite Using the LSM Method. *IOP Conference Series: Materials Science and Engineering*, **2019**, 471, 032071	0.4	1
11	Dependencies between Cracking Patterns and the Physico-Mechanical Properties of Microsilica Modified Cement Matrix. *IOP Conference Series: Materials Science and Engineering*, **2019**, 484, 012015	0.4	1
10	Concrete resistant to spalling made with recycled aggregate from sanitary ceramic wastes The effect of moisture and porosity on destructive processes occurring in fire conditions. *Construction and Building Materials*, **2018**, 173, 58-68	6.7	27
9	The Influence of Metakaolinite on the Development of Thermal Cracks in a Cement Matrix. *Materials*, **2018**, 11,	3.5	17
8	Development of Cracking Patterns in Modified Cement Matrix with Microsilica. *Materials*, **2018**, 11,	3.5	34
7	Influence of specimens shape and size on the thermal cracks geometry of cement paste. *Construction and Building Materials*, **2018**, 189, 1155-1172	6.7	13
6	Physico-Mechanical Properties and Microstructure of Polymer Concrete with Recycled Glass Aggregate. *Materials*, **2018**, 11,	3.5	28
5	Hydrophobization of Lime Composites with Lignocellulosic Raw Materials from Flax. *Journal of Natural Fibers*, **2017**, 14, 609-620	1.8	12
4	Mechano-Physical Properties and Microstructure of Carbon Nanotube Reinforced Cement Paste after Thermal Load. *Nanomaterials*, **2017**, 7,	5.4	41
3	The Use of Heat-Resistant Concrete Made with Ceramic Sanitary Ware Waste for a Thermal Energy Storage. *Applied Sciences (Switzerland)*, **2017**, 7, 1303	2.6	20
2	Ultra-high strength concrete made with recycled aggregate from sanitary ceramic wastes The method of production and the interfacial transition zone. *Construction and Building Materials*, **2016**, 122, 736-742	6.7	64
1	Analysis of the development of cluster cracks caused by elevated temperatures in cement paste. *Construction and Building Materials*, **2015**, 83, 223-229	6.7	22