Vojtech Vaclavik

List of Publications by Citations

50 papers	154 citations	7 h-index	9 g-index
58 ext. papers	190 ext. citations	1.1 avg, IF	3.02 L-index

#	Paper	IF	Citations
50	Steel Slag as a Substitute for Natural Aggregate in the Production of Concrete. *Solid State Phenomena*, **2015**, 244, 77-87	0.4	11
49	The Use of Industrial Waste as a Secondary Raw Material in Restoration Plaster with Thermal Insulating Effect. *Advanced Materials Research*, **2014**, 897, 204-214	0.5	10
48	Leachate from Municipal Waste Landfill and Its Natural Degradation-A Case Study of Zub□Zlí Region. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	9
47	Drainage Concrete Based on Cement Composite and Industrial Waste. *Advanced Structured Materials*, **2015**, 155-165	0.6	8
46	The Utilization of Waste Water from a Concrete Plant in the Production of Cement Composites. *Buildings*, **2017**, 7, 120	3.2	8
45	Capillary Active Insulations Based on Waste Calcium Silicates. *Advanced Structured Materials*, **2015**, 177-188	0.6	8
44	Recycled Cellulose Fiber Reinforced Plaster. *Materials*, **2021**, 14,	3.5	7
43	Sound-Absorbing and Thermal-Insulating Properties of Cement Composite Based on Recycled Rubber from Waste Tires. *Applied Sciences (Switzerland)*, **2021**, 11, 2725	2.6	6
42	Use of Different Types of Biosorbents to Remove Cr (VI) from Aqueous Solution. *Life*, **2021**, 11,	3	5
41	Sustainability Potential Evaluation of Concrete with Steel Slag Aggregates by the LCA Method. *Sustainability*, **2020**, 12, 9873	3.6	4
40	Influence of Cellulosic Fibres on the Physical Properties of Fibre Cement Composites. *IOP Conference Series: Materials Science and Engineering*, **2017**, 251, 012015	0.4	4
39	Creation of combined □? graphs for some engineering materials. *Materialwissenschaft Und Werkstofftechnik*, **2017**, 48, 364-372	0.9	3
38	Assessment of Business Aviation OCCs□Capacity Issues. *Procedia Engineering*, **2017**, 187, 46-52		3
37	Cellulose Fibres as a Reinforcing Element in Building Materials		3
36	Characterization of cement composites based on recycled cellulosic waste paper fibres. *Open Engineering*, **2018**, 8, 363-367	1.7	3
35	Effect of Silica Fume as a Component of Alternative Binder on the Selected Technically Important Characteristics of Bio-Aggregate-Based Composites. *Materials*, **2018**, 11,	3.5	3
34	The Removal of Residual Concentration of Hazardous Metals in Wastewater from a Neutralization Station Using Biosorbent-A Case Study Company Gutra, Czech Republic. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	2

33	The properties of waste water from a concrete plant. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012028	0.3	2
32	Utilization of Sludge from Mine Water Treatment Plant in The Segment of Thermal Insulation Mortars. *Archives of Environmental Protection*, **2014**, 40, 51-59		2
31	Environmental Assessment of the Concrete Based on Blast Furnace Slag. *Solid State Phenomena*, **2015**, 244, 213-220	0.4	2
30	Built-In Moisture Process in Structure with Damaged Waterproofing after the Application of Thermal Insulation Boards. *Advanced Materials Research*, **2014**, 1020, 591-596	0.5	2
29	Monitoring of the Thermal Properties of Cement Composites with an Addition of Steel Slag. *Advanced Structured Materials*, **2018**, 107-118	0.6	2
28	Comparative Measurements of the Thermal Properties of Solid Materials on a New Device and Using a New Non-Stationary Method. *Defect and Diffusion Forum*, **2016**, 366, 63-72	0.7	2
27	Characterization of Manmade and Recycled Cellulosic Fibers for Their Application in Building Materials. *Journal of Renewable Materials*, **2019**, 7, 1121-1145	2.4	2
26	Reuse of Waste Material "Waste Sludge Water" from a Concrete Plant in Cement Composites: A Case Study. *Applied Sciences (Switzerland)*, **2019**, 9, 4519	2.6	2
25	Measuring the Thermal Characteristics of Concretes Exposed to Extreme Conditions. *Defect and Diffusion Forum*, **2017**, 370, 68-77	0.7	1
24	Water-use in the context of the approaching climate change. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012030	0.3	1
23	The design of flood protection in Kobe" municipality. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012062	0.3	1
22	Numerical moisture simulation of redeveloped structures using active materials based on cement composite. *Materialwissenschaft Und Werkstofftechnik*, **2016**, 47, 495-502	0.9	1
21	The use of steel slag in concrete. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012041	0.3	1
20	Implementation of recycled cellulosic fibres into cement based composites and testing their influence on resulting properties. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012019	0.3	1
19	Possibilities of Using Alternative Materials as a Substitute Binder or Filler into Composites. *Advanced Materials Research*, **2015**, 1105, 31-35	0.5	1
18	The Properties of Concrete Based on Steel Slag as a By-Product of Metallurgical Production. *Key Engineering Materials*, **2020**, 838, 10-22	0.4	1
17	Physico-Mechanical Properties of Cellulose Fiber-Cement Mortars. *Key Engineering Materials*, **2020**, 838, 31-38	0.4	1
16	Ladle Slag as an Admixture in Cement Composites. *Key Engineering Materials*, **2020**, 838, 53-58	0.4	1

15	The Utilization of a Combination of Recycled Rubber from Waste Tires and Waste Waters from a Concrete Plant in the Production of Cement Composites. *Key Engineering Materials*, **2020**, 838, 59-66	0.4	1
14	Energy Remediation Combining Insulation Materials Based on Calcium Silicate and Expanded Polymers. *Materials Science Forum*, **2016**, 865, 196-200	0.4	1
13	The Influence of the Environment on the Properties of Hybrid Cement-Based Concrete with Steel and Air-Cooled Slags. *Crystals*, **2021**, 11, 1087	2.3	1
12	Analysis of Physical-Mechanical and Surface Properties of Wood Plastic Composite Materials to Determine the Energy Balance. *Defect and Diffusion Forum*, **2017**, 370, 78-89	0.7	0
11	Utilising Emotions in the Teaching of Water Management Structures III. *IOP Conference Series: Earth and Environmental Science*, **2020**, 444, 012039	0.3	0
10	Constructions used to enable fish migration in the Czech Republic and abroad. *IOP Conference Series: Earth and Environmental Science*, **2020**, 444, 012014	0.3	
9	Design of dry detention basin in the municipality of Hradec nad Svitavou. *IOP Conference Series: Earth and Environmental Science*, **2020**, 444, 012023	0.3	
8	Evaluation of genotoxicity in industrial waste waters. *IOP Conference Series: Earth and Environmental Science*, **2020**, 444, 012024	0.3	
7	The proposal for revitalization measures in the V□lovick□Stream. *IOP Conference Series: Earth and Environmental Science*, **2020**, 444, 012037	0.3	
6	The mould resistance of carbide lime by-products from deposits. *Chemical Papers*, **2019**, 73, 2575-2582	1.9	
5	The proposal of recommendations for the operation of vacuum sewerage. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012042	0.3	
4	Efficiency of innovative technology in construction industry. *IOP Conference Series: Earth and Environmental Science*, **2017**, 92, 012059	0.3	
3	Research of Relations between Thermodynamic Quantities of Building Materials in Connection with Heat Dissipation. *Solid State Phenomena*, **2015**, 244, 48-53	0.4	
2	Sustainable Building Materials and Technologies 2020. *Advances in Materials Science and Engineering*, **2022**, 2022, 1-2	1.5	
1	The Necessary Documents for the Design Documentation for Water Supply and Sewerage Systems in the Czech Republic. *Springer Water*, **2020**, 221-243	0.3	