

Vojtech Vaclavik

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Sustainable Building Materials and Technologies 2020. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-2	1.5	
49	Use of Different Types of Biosorbents to Remove Cr (VI) from Aqueous Solution. <i>Life</i> , 2021 , 11,	3	5
48	Recycled Cellulose Fiber Reinforced Plaster. <i>Materials</i> , 2021 , 14,	3.5	7
47	Sound-Absorbing and Thermal-Insulating Properties of Cement Composite Based on Recycled Rubber from Waste Tires. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2725	2.6	6
46	The Influence of the Environment on the Properties of Hybrid Cement-Based Concrete with Steel and Air-Cooled Slags. <i>Crystals</i> , 2021 , 11, 1087	2.3	1
45	Sustainability Potential Evaluation of Concrete with Steel Slag Aggregates by the LCA Method. <i>Sustainability</i> , 2020 , 12, 9873	3.6	4
44	The Removal of Residual Concentration of Hazardous Metals in Wastewater from a Neutralization Station Using Biosorbent-A Case Study Company Gutra, Czech Republic. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
43	Constructions used to enable fish migration in the Czech Republic and abroad. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 444, 012014	0.3	
42	Design of dry detention basin in the municipality of Hradec nad Svitavou. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 444, 012023	0.3	
41	Evaluation of genotoxicity in industrial waste waters. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 444, 012024	0.3	
40	The proposal for revitalization measures in the Vřbovický Stream. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 444, 012037	0.3	
39	Utilising Emotions in the Teaching of Water Management Structures III. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 444, 012039	0.3	0
38	The Necessary Documents for the Design Documentation for Water Supply and Sewerage Systems in the Czech Republic. <i>Springer Water</i> , 2020 , 221-243	0.3	
37	The Properties of Concrete Based on Steel Slag as a By-Product of Metallurgical Production. <i>Key Engineering Materials</i> , 2020 , 838, 10-22	0.4	1
36	Physico-Mechanical Properties of Cellulose Fiber-Cement Mortars. <i>Key Engineering Materials</i> , 2020 , 838, 31-38	0.4	1
35	Ladle Slag as an Admixture in Cement Composites. <i>Key Engineering Materials</i> , 2020 , 838, 53-58	0.4	1
34	The Utilization of a Combination of Recycled Rubber from Waste Tires and Waste Waters from a Concrete Plant in the Production of Cement Composites. <i>Key Engineering Materials</i> , 2020 , 838, 59-66	0.4	1

33	The mould resistance of carbide lime by-products from deposits. <i>Chemical Papers</i> , 2019 , 73, 2575-2582	1.9	
32	Characterization of Manmade and Recycled Cellulosic Fibers for Their Application in Building Materials. <i>Journal of Renewable Materials</i> , 2019 , 7, 1121-1145	2.4	2
31	Reuse of Waste Material [Waste Sludge Water] from a Concrete Plant in Cement Composites: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4519	2.6	2
30	Monitoring of the Thermal Properties of Cement Composites with an Addition of Steel Slag. <i>Advanced Structured Materials</i> , 2018 , 107-118	0.6	2
29	Characterization of cement composites based on recycled cellulosic waste paper fibres. <i>Open Engineering</i> , 2018 , 8, 363-367	1.7	3
28	Effect of Silica Fume as a Component of Alternative Binder on the Selected Technically Important Characteristics of Bio-Aggregate-Based Composites. <i>Materials</i> , 2018 , 11,	3.5	3
27	Analysis of Physical-Mechanical and Surface Properties of Wood Plastic Composite Materials to Determine the Energy Balance. <i>Defect and Diffusion Forum</i> , 2017 , 370, 78-89	0.7	0
26	Measuring the Thermal Characteristics of Concretes Exposed to Extreme Conditions. <i>Defect and Diffusion Forum</i> , 2017 , 370, 68-77	0.7	1
25	Creation of combined σ - ϵ graphs for some engineering materials. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017 , 48, 364-372	0.9	3
24	Influence of Cellulosic Fibres on the Physical Properties of Fibre Cement Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 251, 012015	0.4	4
23	The properties of waste water from a concrete plant. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012028	0.3	2
22	Water-use in the context of the approaching climate change. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012030	0.3	1
21	The design of flood protection in Koblenz municipality. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012062	0.3	1
20	Assessment of Business Aviation OCCs [Capacity Issues]. <i>Procedia Engineering</i> , 2017 , 187, 46-52		3
19	The use of steel slag in concrete. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012041	0.3	1
18	The proposal of recommendations for the operation of vacuum sewerage. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012042	0.3	
17	Efficiency of innovative technology in construction industry. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012059	0.3	
16	Implementation of recycled cellulosic fibres into cement based composites and testing their influence on resulting properties. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 92, 012019	0.3	1

15	The Utilization of Waste Water from a Concrete Plant in the Production of Cement Composites. <i>Buildings</i> , 2017 , 7, 120	3.2	8
14	Numerical moisture simulation of redeveloped structures using active materials based on cement composite. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016 , 47, 495-502	0.9	1
13	Leachate from Municipal Waste Landfill and Its Natural Degradation-A Case Study of Zubří Region. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	9
12	Comparative Measurements of the Thermal Properties of Solid Materials on a New Device and Using a New Non-Stationary Method. <i>Defect and Diffusion Forum</i> , 2016 , 366, 63-72	0.7	2
11	Energy Remediation Combining Insulation Materials Based on Calcium Silicate and Expanded Polymers. <i>Materials Science Forum</i> , 2016 , 865, 196-200	0.4	1
10	Drainage Concrete Based on Cement Composite and Industrial Waste. <i>Advanced Structured Materials</i> , 2015 , 155-165	0.6	8
9	Steel Slag as a Substitute for Natural Aggregate in the Production of Concrete. <i>Solid State Phenomena</i> , 2015 , 244, 77-87	0.4	11
8	Possibilities of Using Alternative Materials as a Substitute Binder or Filler into Composites. <i>Advanced Materials Research</i> , 2015 , 1105, 31-35	0.5	1
7	Environmental Assessment of the Concrete Based on Blast Furnace Slag. <i>Solid State Phenomena</i> , 2015 , 244, 213-220	0.4	2
6	Research of Relations between Thermodynamic Quantities of Building Materials in Connection with Heat Dissipation. <i>Solid State Phenomena</i> , 2015 , 244, 48-53	0.4	
5	Capillary Active Insulations Based on Waste Calcium Silicates. <i>Advanced Structured Materials</i> , 2015 , 177-188		8
4	Utilization of Sludge from Mine Water Treatment Plant in The Segment of Thermal Insulation Mortars. <i>Archives of Environmental Protection</i> , 2014 , 40, 51-59		2
3	The Use of Industrial Waste as a Secondary Raw Material in Restoration Plaster with Thermal Insulating Effect. <i>Advanced Materials Research</i> , 2014 , 897, 204-214	0.5	10
2	Built-In Moisture Process in Structure with Damaged Waterproofing after the Application of Thermal Insulation Boards. <i>Advanced Materials Research</i> , 2014 , 1020, 591-596	0.5	2
1	Cellulose Fibres as a Reinforcing Element in Building Materials		3