

# Jozef Vlcek

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

262  
citations

1163117

8  
h-index

1058476

14  
g-index

52  
all docs

52  
docs citations

52  
times ranked

260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion Resistance of MgO and Cr <sub>2</sub> O <sub>3</sub> -Based Refractory Raw Materials to PbO-Rich Cu Slag Determined by Hot-Stage Microscopy and Pellet Corrosion Test. <i>Materials</i> , 2022, 15, 725.	2.9	3
2	Alkali Activation of Ground Granulated Blast Furnace Slag and Low Calcium Fly Ash Using "One-Part" Approach. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 511-521.	2.3	4
3	Laboratory Testing of Kinetic Sand as a Reference Material for Physical Modelling of Cone Penetration Test with the Possibility of Artificial Neural Network Application. <i>Materials</i> , 2022, 15, 3285.	2.9	7
4	Characterization of Waste Sludge Pigment from Production of ZnCl <sub>2</sub> . <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 313.	2.0	3
5	Cement Substitution in High-Temperature Concrete. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1161.	2.0	2
6	Separation of the magnetic fraction from the slags originated during steel production. , 2021, , .		0
7	Determination of the Small-Scale Physical Model Parameters of Pavement Structure. <i>Sustainability</i> , 2020, 12, 9637.	3.2	3
8	Airborne Wear Particle Emissions Produced during the Dyno Bench Tests with a Slag Containing Semi-Metallic Brake Pads. <i>Atmosphere</i> , 2020, 11, 1220.	2.3	10
9	Laboratory and In situ Investigation of Modulus of Elasticity of Foam Concrete. <i>E3S Web of Conferences</i> , 2020, 157, 06013.	0.5	2
10	Effective Ecological and Cheap Heating of Dwelling Spaces. <i>Sustainability</i> , 2020, 12, 55.	3.2	1
11	The Effect of Temperature and Milling Process on Steel Scale Utilized as a Pigment for Ceramic Glaze. <i>Materials</i> , 2020, 13, 1814.	2.9	3
12	EVALUATION OF THE USABILITY OF THE ALKALI ACTIVATED INDUSTRIAL WASTES AS A MATRIX AND SUPPORT OF PHOTOCATALYSTS. , 2020, , .		0
13	Modification of the hydration processes of alkali activated blast furnace slag. , 2020, , .		0
14	EXPERIMENTAL STUDIES OF GRANULATED BLAST FURNACE SLAG. , 2020, , .		0
15	Interchangeability of mixed gas components for heating industrial furnaces. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
16	Investigation of the Soil-Geosynthetic Interaction Using Direct Shear Testing and FEM Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 603, 052052.	0.6	3
17	Refractory materials for biomass combustion. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
18	Testing of Subsoil Support in Physical Model of Piled Embankment. <i>Transportation Research Procedia</i> , 2019, 40, 711-717.	1.5	2

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19	Estimation of the Dynamic Characteristics of the Foam Concrete. IOP Conference Series: Earth and Environmental Science, 2019, 362, 012123.	0.3	1
20	Study connective capabilities of solid residues from the waste incineration. Journal of Environmental Management, 2019, 231, 1048-1055.	7.8	26
21	Reduction of unwanted zinc content in metallurgical wastes and design of rotary kiln. , 2019, , .		1
22	Dynamic testing of the sub-base layer made from foam concrete using light weight deflectometer. Vibroengineering PROCEDIA, 2019, 25, 139-142.	0.5	3
23	Analysis of Applicability of Clegg Impact Soil Tester for Clayey Soils. MATEC Web of Conferences, 2018, 196, 02031.	0.2	3
24	Experimental and computational dynamic analysis of the foam concrete as a sub-base layer of the pavement structure. MATEC Web of Conferences, 2018, 211, 13002.	0.2	2
25	Chemical and phase composition of metallurgical slags and their effects on freshwater green algae. Materials Today: Proceedings, 2018, 5, S2-S10.	1.8	8
26	Stress Response Analysis of Concrete Pavement Under Tire of Heavy Vehicle. Civil and Environmental Engineering, 2018, 14, 146-152.	1.2	4
27	Metallurgy dusts as a pigment for glazes and engobes. Ceramics International, 2017, 43, 7789-7796.	4.8	10
28	Experience with application of reagent to heat transfer surfaces of combustion device. Polish Journal of Chemical Technology, 2017, 19, 1-5.	0.5	0
29	Experimental Investigation of Properties of Foam Concrete for Industrial Floors in Testing Field. IOP Conference Series: Earth and Environmental Science, 2017, 95, 022049.	0.3	6
30	Numerical Simulation of the Ground Response to the Tire Load Using Finite Element Method. IOP Conference Series: Materials Science and Engineering, 2017, 245, 022098.	0.6	1
31	Experimental Investigation of the Vehicleâ€“Ground Interaction â€“ Experiment Preparation and Preliminary Results. Civil and Environmental Engineering, 2017, 13, 99-105.	1.2	3
32	Contribution to Estimating Bearing Capacity of Pile in Clayey Soils. Civil and Environmental Engineering, 2016, 12, 128-136.	1.2	12
33	Interaction Evaluation with Subsoil and Global Stability Evaluation of High MSW Structure. Procedia Engineering, 2016, 161, 185-189.	1.2	0
34	Soil Consolidation Parameters Derived from CPTu Probing. Procedia Engineering, 2016, 161, 180-184.	1.2	4
35	Comparative Analysis of Dynamic Methods for Earthwork Controlling. Procedia Engineering, 2016, 161, 483-488.	1.2	2
36	Measurement the Thermal Profile of Steelmaking Ladle with Subsequent Evaluation the Reasons of Lining Damage. Archives of Metallurgy and Materials, 2016, 61, 279-282.	0.6	2

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37	Modelling of thermal processes at waste incineration. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3527-3533.	2.3	9
38	Heat output of the recuperator for preheating natural gas from a mobile container device. AIP Conference Proceedings, 2016, , .	0.4	1
39	Computational Simulation of Dynamic Response of Vehicle Tatra T815 and the Ground. IOP Conference Series: Earth and Environmental Science, 2016, 44, 022033.	0.3	0
40	The Role of Geotechnical Monitoring at Design of Foundation Structures and their Verification â€“ Part 1. Civil and Environmental Engineering, 2016, 12, 21-26.	1.2	8
41	Analysis of the Tyre Loads of the Truck Tatra 815 in Interaction with the Ground. Civil and Environmental Engineering, 2016, 12, 78-83.	1.2	2
42	Analytical and Numerical Evaluation of Limit States of MSE Wall Structure. Civil and Environmental Engineering, 2016, 12, 145-152.	1.2	8
43	Numerical modeling of batch formation in waste incineration plants. Polish Journal of Chemical Technology, 2015, 17, 1-6.	0.5	2
44	Evaluation of Dynamic Methods for Earthwork Assessment. Civil and Environmental Engineering, 2015, 11, 38-44.	1.2	9
45	Piled Embankment Design Comparison. Civil and Environmental Engineering, 2015, 11, 76-82.	1.2	4
46	CPT Profiling and Laboratory Data Correlations for Deriving of Selected Geotechnical Parameter. Civil and Environmental Engineering, 2015, 11, 152-157.	1.2	4
47	Internal Stability Analyses of Geosynthetic Reinforced Retaining Walls. Procedia Engineering, 2014, 91, 346-351.	1.2	5
48	Structural variability of high purity cordierite/steatite ceramics sintered from mixtures with various vermiculites. Ceramics International, 2014, 40, 8489-8498.	4.8	25
49	Metakaolinite/TiO2 composite: Photoactive admixture for building materials based on Portland cement binder. Construction and Building Materials, 2012, 35, 38-44.	7.2	30
50	Cordierite composites reinforced with zircon arising from zirconiumâ€™vermiculite precursor. Materials Letters, 2012, 80, 158-161.	2.6	16
51	MATHEMATICAL MODEL FOR OPTIMIZATION OF INPUT BATCH OF POLYMERIC WASTES INTO GASIFICATION UNITS., 2011, , .		0
52	On Experimental Thermal Analysis of BMC Mensolite 3100 Aging. Defect and Diffusion Forum, 0, 399, 129-136.	0.4	0