

Oleksandr Kovalchuk

List of Publications by Year in descending order

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31
papers

389
citations

1040056

9
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of alkali activated cements and concrete mixture design with high volumes of red mud. Construction and Building Materials, 2017, 151, 819-826.	7.2	90
2	Radioactivity and Pb and Ni immobilization in SCM-bearing alkali-activated matrices. Construction and Building Materials, 2018, 159, 745-754.	7.2	31
3	Radiological characterization and evaluation of high volume bauxite residue alkali activated concretes. Journal of Environmental Radioactivity, 2017, 168, 21-29.	1.7	30
4	A comparative study on the influence of metakaolin and kaolin additives on properties and structure of the alkali-activated slag cement and concrete. Eastern-European Journal of Enterprise Technologies, 2018, 1, 33-39.	0.5	29
5	Research of the treatment of depleted nickel-plating electrolytes by the ferritization method. Eastern-European Journal of Enterprise Technologies, 2018, 3, 52-60.	0.5	28
6	Design of the composition of alkali activated portland cement using mineral additives of technogenic origin. Eastern-European Journal of Enterprise Technologies, 2018, 4, 6-15.	0.5	27
7	Alkali activated cements mix design for concretes application in high corrosive conditions. MATEC Web of Conferences, 2018, 230, 03007.	0.2	23
8	Enhancement of alkali-activated slag cement concretes crack resistance for mitigation of steel reinforcement corrosion. E3S Web of Conferences, 2020, 166, 06001.	0.5	19
9	Sulfate Resistance of Alkali Activated Cements. Materials Science Forum, 0, 865, 95-106.	0.3	18
10	The influence of porosity on radon emanation in alkali-activated mortars containing high volume bauxite residue. Construction and Building Materials, 2020, 230, 116982.	7.2	17
11	Utilization of Industrial Waste Water Treatment Residues in Alkali Activated Cement and Concretes. Key Engineering Materials, 0, 761, 35-38.	0.4	16
12	From NORM by-products to building materials. , 2017, , 183-252.		14
13	Applicability of alkali-activated cement for immobilization of low-level radioactive waste in ion-exchange resins. Eastern-European Journal of Enterprise Technologies, 2016, 1, 40.	0.5	9
14	Development of a technology for utilizing the electroplating wastes by applying a ferritization method to the alkaline-activated materials. Eastern-European Journal of Enterprise Technologies, 2019, 2, 27-34.	0.5	6
15	Development of ferritization processing of galvanic waste involving the energy-saving electromagnetic pulse activation of the process. Eastern-European Journal of Enterprise Technologies, 2019, 6, 6-14.	0.5	5
16	Alkali-aggregate reaction in alkali-activated cement concretes. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012002.	0.6	4
17	Influence of Type of Alkaline Activator on Durability of Alkali Activated Concrete Using Aggregates Capable to Alkali-Silica Reaction. Key Engineering Materials, 0, 864, 180-188.	0.4	4
18	Mix Design of Hybrid High-Volume Fly Ash Alkali Activated Cement. Advanced Materials Research, 2015, 1100, 36-43.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Practical experience of construction of concrete pavement using non-conditional aggregates. IOP Conference Series: Materials Science and Engineering, 2019, 708, 012089.	0.6	3
20	Efficiency of alkali activated hybrid cements for immobilization of low-level radioactive anion-exchange resins. Eastern-European Journal of Enterprise Technologies, 2016, 5, 38-43.	0.5	3
21	Studying the influence of metakaolin on self-healing processes in the contact-zone structure of concretes based on the alkali-activated Portland cement. Eastern-European Journal of Enterprise Technologies, 2019, 5, 33-40.	0.5	3
22	Efficiency of the Alkali-Activated Cement Concretes for Sea Construction. Materials Science Forum, 0, 968, 3-12.	0.3	2
23	Study of service properties of alkali-activated cement using wastewater treatment residues. IOP Conference Series: Materials Science and Engineering, 2019, 708, 012087.	0.6	2
24	Study of influence of alkaline component type on pH value and properties of alkali activated concretes containing basalt rock. E3S Web of Conferences, 2021, 280, 07001.	0.5	2
25	Development of technology of utilization of products of ferritization processing of galvanic waste in the composition of alkaline cements. Eastern-European Journal of Enterprise Technologies, 2020, 5, 6-13.	0.5	1
26	Design of Low Carbon Footprint Alkali Activated Slag Cement Concretes for Marine Engineering Application in China. Applied Mechanics and Materials, 0, 525, 556-563.	0.2	0
27	Modeling a Thermo-Stressed State of the Cast-in-Situ Low Carbon Footprint Alkali Activated Slag Cement Concrete Hardened under Hot Environment. Applied Mechanics and Materials, 2014, 525, 482-490.	0.2	0
28	On the Question of the Application of Basalt Microfiber for Reinforcement of Thermal Insulation AAC. Key Engineering Materials, 0, 864, 122-127.	0.4	0
29	Research of heavy metals leaching from sediments after ferritization processing of galvanic sludge. Environmental Safety and Natural Resources, 2021, 39, 76-87.	0.1	0
30	Influence of aeration rate and method of process activation on the degree of purification of zinc-containing waste water by ferritization. Eastern-European Journal of Enterprise Technologies, 2021, 6, 16-22.	0.5	0
31	Development of alkaline concrete on the basis of active aggregates. Technology Audit and Production Reserves, 2021, 6, 36-42.	0.2	0