

Andrey Zhuk

List of Publications by Year in descending order

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14
papers

87
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1478505

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all docs

14
docs citations

14
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	2W power source based on air-hydrogen polymer electrolyte membrane fuel cells and water-aluminum hydrogen micro-generator. Journal of Power Sources, 2008, 185, 967-972.	7.8	33
2	Shock compressibility and shock-induced phase transitions of C60 fullerite. Diamond and Related Materials, 2005, 14, 1920-1923.	3.9	15
3	Shock-induced transformations of carbyne. Journal of Applied Physics, 1996, 80, 3757-3759.	2.5	10
4	Hybrid energy storage system based on supercapacitors and Li-ion batteries. Journal of Applied Electrochemistry, 2014, 44, 543-550.	2.9	8
5	Equation of state and physical-chemical transformations of C60 fullerite at high pressures and temperatures. Diamond and Related Materials, 2007, 16, 1204-1207.	3.9	7
6	Shock metamorphism of the graphite quasimonocrystal. High Pressure Research, 1997, 15, 245-254.	1.2	6
7	Shock-wave Carbyne synthesis from graphite. Doklady Physics, 2000, 45, 14-17.	0.7	5
8	Partial oxidation of aluminum powder for obtaining a controlled amount of aluminum oxide on the surface of aluminum. IOP Conference Series: Earth and Environmental Science, 2018, 168, 012021.	0.3	2
9	Hydrogen and aluminum-hydrogen storage in the power industry. ĀnergetičeskaĀ Politika, 2021, , 64-79.	0.3	1
10	Comparative analysis of the electric vehicles ownership cost according to types of their power units. Vestnik ObĒdinennogo Instituta Vysokih Temperatur, 2018, 1, 115-120.	0.0	0
11	Cleaning of micro-porous aluminium oxide of ferrous impurity by means of high temperature evaporation into vacuum. Vestnik ObĒdinennogo Instituta Vysokih Temperatur, 2018, 1, 61-68.	0.0	0
12	Assessment of competitiveness of the ĀgreenĀ-hydrogen technologies: ĀgreenĀ-aluminum and electrolysis of water. Vestnik ObĒdinennogo Instituta Vysokih Temperatur, 2021, 6, 21-26.	0.0	0
13	Optimization of the methanol synthesis from the gasification products of moist biomass. Vestnik ObĒdinennogo Instituta Vysokih Temperatur, 2021, 6, 16-20.	0.0	0
14	An approach to the modeling of the aluminum-water reaction. Vestnik ObĒdinennogo Instituta Vysokih Temperatur, 2021, 6, 11-15.	0.0	0