

Valery Yu Prokof'ev

List of Publications by Year in descending order

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24
papers

151
citations

1307594

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all docs

24
docs citations

24
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical synthesis of granulated LTA zeolite from metakaolin. <i>Journal of Materials Science</i> , 2012, 47, 5385-5392.	3.7	24
2	Effect of ultrasound on the synthesis of low-modulus zeolites from a metakaolin. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 210-219.	8.2	19
3	Synthesis of type A zeolite from mechanoactivated metakaolin mixtures. <i>Journal of Materials Science</i> , 2013, 48, 6276-6285.	3.7	15
4	Comminution and mechanochemical activation in oxide ceramics technology (review). <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2012, 69, 65-70.	0.6	13
5	Effect of ultrasound on the thermal behavior of the mixtures for the LTA zeolite synthesis based on metakaolin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1415-1427.	3.6	13
6	Investigation of mechanochemical synthesis of zeolite NaA made of metakaolin in the mills with shock-shear type of strain. <i>Russian Journal of Applied Chemistry</i> , 2012, 85, 1077-1082.	0.5	10
7	Natural Mechanisms of Mechanochemical Interactions in Oxide Powders. <i>Glass and Ceramics (English)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.6	9
8	Study of the kinetics of water desorption on binder-free pellets of SOD and LTA zeolites using model-free isoconversion analyzes. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 116-123.	4.4	7
9	Masses for catalyst extrusion: Measuring and optimization of molding properties. <i>Kinetics and Catalysis</i> , 2012, 53, 616-619.	1.0	6
10	A study of thermal treatment and hydrothermal crystallization stages in production of granulated NaA zeolite from mechanically activated metakaolin. <i>Russian Journal of Applied Chemistry</i> , 2013, 86, 332-338.	0.5	5
11	Synthesis of binder-free granulated low-modular zeolites using ultrasound. <i>Microporous and Mesoporous Materials</i> , 2017, 242, 63-73.	4.4	5
12	Use of Ultrasonic Processing at Early Stages of LTA Zeolite Synthesis from Metakaolin. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2017, 73, 334-337.	0.6	4
13	The kinetics of non-isothermal decomposition of the Z/Al(OH) ₃ mixtures (ZnO or ZnO) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.6	3
14	The study of the thermal behavior of solid mixtures of metakaolin and sodium hydroxide by isoconversional model-free analyzes. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 297-306.	4.0	3
15	Study of the Kinetics of Adsorption and Desorption of Water Vapor on Low-Silica Zeolites. <i>Petroleum Chemistry</i> , 2020, 60, 550-556.	1.4	3
16	Thermal Behavior of Mixtures Based on Metakaolin and Sodium Hydroxide. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2020, 77, 9-14.	0.6	3
17	Study of pore texture of sorbents based on kaolin clay. <i>Russian Journal of Applied Chemistry</i> , 2011, 84, 1866-1870.	0.5	2
18	The Study of Nonisothermal Kinetics of Dehydration of Gibbsite in a Mixture with Zinc Oxide. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 576-585.	1.6	2

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19	Use of Mechanochemical Activation and Ultrasonic Treatment for the Synthesis of LTA Zeolite. Russian Journal of General Chemistry, 2018, 88, 1981-1989.	0.8	2
20	Use of Combinations of Ultrasonic Treatment and Microwave Crystallization to Intensify the Synthesis of LTA Zeolite Membranes. Petroleum Chemistry, 2021, 61, 292-298.	1.4	2
21	Isoconversional Kinetics of Thermal Processes in Mixtures Based on Metakaolin and Sodium Hydroxide. International Journal of Chemical Kinetics, 2018, 50, 515-528.	1.6	1
22	Use of ultrasonic treatment for obtaining a sorbent based on zinc compounds and gibbsite. Russian Journal of Applied Chemistry, 2015, 88, 1009-1014.	0.5	0
23	Studying Solid-Phase Processes in Metakaoline-Sodium Hydroxide Mixtures by Means of Isoconversion Analysis. Russian Journal of Physical Chemistry A, 2018, 92, 992-998.	0.6	0
24	Production of Granulated NaP Zeolite without Binder. Russian Journal of Applied Chemistry, 2018, 91, 180-186.	0.5	0