

Vadim Volotchaev

List of Publications by Year in descending order

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16
papers

311
citations

840776

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940533

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17
docs citations

17
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	High Gas Sensitivity to Nitrogen Dioxide of Nanocomposite ZnO-SnO ₂ Films Activated by a Surface Electric Field. <i>Nanomaterials</i> , 2022, 12, 2025.	4.1	4
2	Stability and activity of platinum nanoparticles in the oxygen electroreduction reaction: is size or uniformity of primary importance?. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 593-606.	2.8	18
3	Influence of Electrochemical Pretreatment Conditions of PtCu/C Alloy Electrocatalyst on Its Activity. <i>Nanomaterials</i> , 2021, 11, 1499.	4.1	14
4	Phase behavior of Pt-Cu nanoparticles with different architecture upon their thermal treatment. <i>Nanotechnologies in Russia</i> , 2017, 12, 147-155.	0.7	20
5	The relationship between activity and stability of deposited platinum-carbon electrocatalysts. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 531-539.	0.9	16
6	On the possibilities of recognizing the architecture of binary Pt-M nanoparticles. <i>Nanotechnologies in Russia</i> , 2017, 12, 227-235.	0.7	4
7	The effect of thermal treatment on the atomic structure of core-shell PtCu nanoparticles in PtCu/C electrocatalysts. <i>Physics of the Solid State</i> , 2017, 59, 1666-1673.	0.6	9
8	Synthesis of nanostructured Pt/C electrocatalysts and effects of ambient atmosphere composition and an intermediate support on their microstructure. <i>Inorganic Materials</i> , 2016, 52, 23-28.	0.8	12
9	Bimetallic PtCu core-shell nanoparticles in PtCu/C electrocatalysts: Structural and electrochemical characterization. <i>Applied Catalysis A: General</i> , 2016, 525, 226-236.	4.3	44
10	Effect of CO atmosphere on morphology and electrochemically active surface area in the synthesis of Pt/C and PtAg/C electrocatalysts. <i>Nanotechnologies in Russia</i> , 2016, 11, 287-296.	0.7	14
11	Microstructure Optimization of Pt/C Catalysts for PEMFC. <i>Springer Proceedings in Physics</i> , 2016, , 37-49.	0.2	4
12	Effect of ethylene glycol on electrochemical and morphological features of platinum electrodeposits from chloroplatinic acid. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 623-633.	2.9	9
13	Mixed oxides of sodium, antimony (5+) and divalent metals (Ni, Co, Zn or Mg). <i>Journal of Solid State Chemistry</i> , 2010, 183, 684-691.	2.9	69
14	Morphology and Surface Structure of Silver Carboxylates. <i>Crystal Growth and Design</i> , 2006, 6, 1027-1032.	3.0	16
15	Effect of ionic size on the orbital ordering transition in RMnO ₃ +δ. <i>New Journal of Physics</i> , 2004, 6, 153-153.	2.9	37
16	Crystal growth and crystal structures of the layered ionic conductors sodium lithium titanium oxides. <i>Solid State Sciences</i> , 2000, 2, 443-449.	0.7	21