

Alexander Smirnov

List of Publications by Year in descending order

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17
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687363

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times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	A petrogenetic model for the comagmatic origin of chassignites and nakhlites: Inferences from chlorine-rich minerals, petrology, and geochemistry. <i>Meteoritics and Planetary Science</i> , 2013, 48, 819-853.	1.6	116
2	A Perspective on the Role of Minerals in Prebiotic Synthesis. <i>Ambio</i> , 2004, 33, 539-551.	5.5	108
3	Hydrous magmatism on Mars: A source of water for the surface and subsurface during the Amazonian. <i>Earth and Planetary Science Letters</i> , 2010, 292, 132-138.	4.4	104
4	Hydrothermal jarosite and hematite in a pyroxene-hosted melt inclusion in martian meteorite Miller Range (MIL) 03346: Implications for magmatic-hydrothermal fluids on Mars. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4907-4917.	3.9	102
5	Abiotic ammonium formation in the presence of Ni-Fe metals and alloys and its implications for the Hadean nitrogen cycle. <i>Geochemical Transactions</i> , 2008, 9, 5.	0.7	91
6	Synthesis and Structural Characterization of Magnesium Based Coordination Networks in Different Solvents. <i>Crystal Growth and Design</i> , 2011, 11, 2572-2579.	3.0	90
7	Solid-state NMR and IR spectroscopic investigation of the role of structural water and F in carbonate-rich fluorapatite. <i>American Mineralogist</i> , 2009, 94, 507-516.	1.9	63
8	Reduction of Nitrite and Nitrate to Ammonium on Pyrite. <i>Origins of Life and Evolution of Biospheres</i> , 2012, 42, 275-294.	1.9	34
9	Ferrihydrite phase transformation in the presence of aqueous sulfide and supercritical CO ₂ . <i>Chemical Geology</i> , 2010, 271, 26-30.	3.3	31
10	Application of the Pitzer ion interaction model to isopiestic data for the Fe ₂ (SO ₄) ₃ -H ₂ SO ₄ -H ₂ O system at 298.15 and 323.15K. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2680-2698.	3.9	27
11	CO ₂ Sequestration through Mineral Carbonation of Iron Oxyhydroxides. <i>Environmental Science & Technology</i> , 2011, 45, 10422-10428.	10.0	26
12	Reduction of Nitrite and Nitrate on Nano-dimensioned FeS. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 305-322.	1.9	26
13	Hematite reactivity with supercritical CO ₂ and aqueous sulfide. <i>Chemical Geology</i> , 2011, 283, 210-217.	3.3	25
14	Evaluating experimental artifacts in hydrothermal prebiotic synthesis experiments. <i>Origins of Life and Evolution of Biospheres</i> , 2003, 33, 117-127.	1.9	8
15	Carbonate-bearing phosphohedyphane and Hydroxylphosphohedyphane and cerussite: Supergene products of galena alteration in Permian aplite (Western Carpathians, Slovakia). <i>Canadian Mineralogist</i> , 2020, 58, 347-365.	1.0	3
16	Ammonia. , 2014, , 1-3.		0
17	Ammonia. , 2015, , 86-87.		0