

Sokolova Tatiana

List of Publications by Year in descending order

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13
papers

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1163117

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366
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-consistent pressure scales based on the equations of state for ruby, diamond, MgO, B ₂ NaCl, as well as Au, Pt, and other metals to 4 Mbar and 3000 K. Russian Geology and Geophysics, 2013, 54, 181-199.	0.7	71
2	Thermodynamics and Equations of State of Iron to 350 GPa and 6000 K. Scientific Reports, 2017, 7, 41863.	3.3	66
3	Thermal equation of state and thermodynamic properties of iron carbide Fe ₃ C to 31 GPa and 1473 K. Journal of Geophysical Research: Solid Earth, 2013, 118, 5274-5284.	3.4	44
4	Microsoft excel spreadsheets for calculation of P-V-T relations and thermodynamic properties from equations of state of MgO, diamond and nine metals as pressure markers in high-pressure and high-temperature experiments. Computers and Geosciences, 2016, 94, 162-169.	4.2	37
5	The equations of state of forsterite, wadsleyite, ringwoodite, akimotoite, MgSiO ₃ -perovskite, and postperovskite and phase diagram for the Mg ₂ SiO ₄ system at pressures of up to 130 GPa. Russian Geology and Geophysics, 2015, 56, 172-189.	0.7	28
6	THERMODYNAMIC PROPERTIES OF ROCK-FORMING OXIDES, \pm -Al ₂ O ₃ , Cr ₂ O ₃ , \pm -Fe ₂ O ₃ , AND Fe ₃ O ₄ AT HIGH TEMPERATURES AND PRESSURES. Geodinamika I Tektonofizika, 2016, 7, 459-476.	0.7	11
7	Spreadsheets to calculate P-V-T relations, thermodynamic and thermoelastic properties of silicates in the MgSiO ₃ -MgO system. High Pressure Research, 2018, 38, 193-211.	1.2	10
8	P-V-T equations of state for iron carbides Fe ₃ C and Fe ₇ C ₃ and their relationships under the conditions of the Earth's mantle and core. Doklady Earth Sciences, 2013, 453, 1269-1273.	0.7	9
9	Equations of State of Ca-Silicates and Phase Diagram of the CaSiO ₃ System under Upper Mantle Conditions. Minerals (Basel, Switzerland), 2021, 11, 322.	2.0	8
10	CHAROITE. EXPERIMENTAL STUDIES. Geodinamika I Tektonofizika, 2016, 7, 105-118.	0.7	3
11	Density Patterns of the Upper Mantle Under Asia and the Arctic: Comparison of Thermodynamic Modelling and Geophysical Data. Pure and Applied Geophysics, 2020, 177, 4289-4307.	1.9	2
12	All-Russia conference "Fluid regime of endogenic processes in the continental lithosphere", Irkutsk, Russia, October 6-9, 2015. Geodinamika I Tektonofizika, 2015, 6, 555-561.	0.7	0
13	ANALYSIS OF THE CHEMICAL COMPOSITION OF CHAROITE ROCKS. Geodinamika I Tektonofizika, 2017, 8, 511-513.	0.7	0