Dinara N Sagatova

List of Publications by Year
in descending order

16	150	1163117 8	1199594 12
papers	citations	h-index	g-index

16	16	16	48
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Î³-BaB₂O₄: High-Pressure High-Temperature Polymorph of Barium Borate with Edge-Sharing BO₄ Tetrahedra. Inorganic Chemistry, 2022, 61, 2340-2350.	4.0	7
2	Novel Calcium sp³ Carbonate CaC₂O₅-I4Ì…2d May Be a Carbon Host in Earthâ€™s Lower Mantle. ACS Earth and Space Chemistry, 2022, 6, 73-80.	2.7	13
3	Metastable structures of CaCO₃ and their role in transformation of calcite to aragonite and postaragonite. Crystal Growth and Design, 2021, 21, 65-74.	3.0	16
4	Formation of Mg-Orthocarbonate through the Reaction MgCO₃ + MgO = Mg₂CO₄ at Earthâ€™s Lower Mantle Pâ€“T Conditions. Crystal Growth and Design, 2021, 21, 2986-2992.	3.0	19
5	Stability of Ca₂CO₄-Pnma against the Main Mantle Minerals from Ab Initio Computations. ACS Earth and Space Chemistry, 2021, 5, 1709-1715.	2.7	14
6	Orthocarbonates of Ca, Sr, and Baâ€”The Appearance of sp³-Hybridized Carbon at a Low Pressure of 5 GPa and Dynamic Stability at Ambient Pressure. ACS Earth and Space Chemistry, 2021, 5, 1948-1957.	2.7	18
7	Phase Relations in CaSiO3 System up to 100 GPa and 2500 K. Geochemistry International, 2021, 59, 791-800.	0.7	2
8	Phase relations, and mechanical and electronic properties of nickel borides, carbides, and nitrides from ab initio calculations. RSC Advances, 2021, 11, 33781-33787.	3.6	0
9	Alkali Metal (Li, Na, and K) Orthocarbonates: Stabilization of sp³-Bonded Carbon at Pressures above 20 GPa. Crystal Growth and Design, 2021, 21, 6744-6751.	3.0	7
10	The search for the new superconductors in the Ni-N system. Journal of Physics: Conference Series, 2020, 1590, 012010.	0.4	1
11	Phase Stability in Nickel Phosphides at High Pressures. ACS Earth and Space Chemistry, 2020, 4, 1978-1984.	2.7	4
12	Calcium orthocarbonate, Ca2CO4-Pnma: A potential host for subducting carbon in the transition zone and lower mantle. Lithos, 2020, 370-371, 105637.	1.4	23
13	Phase Diagrams of Iron Hydrides at Pressures of 100â€“400 GPa and Temperatures of 0â€“5000 K. JETP Letters, 2020, 111, 145-150.	1.4	10
14	High-Pressure Phase Diagrams of Na2CO3 and K2CO3. Minerals (Basel, Switzerland), 2019, 9, 599.	2.0	11
15	Feâ€“N System at High Pressures and Its Relevance to the Earthâ€™s Core Composition. Crystal Growth and Design, 0, , .	3.0	2
16	High-Pressure Synthesis and Ambient-Pressure Tem Investigation of Mg-Orthocarbonate. SSRN Electronic Journal, 0, , .	0.4	3