

Thermal expansivity, heat capacity and bulk modulus o

Geophysical Journal International

228, 1119-1149

DOI: [10.1093/gji/ggab394](https://doi.org/10.1093/gji/ggab394)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Thermolab: A Thermodynamics Laboratory for Nonlinear Transport Processes in Open Systems. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	8
2	An anisotropic equation of state for high-pressure, high-temperature applications. <i>Geophysical Journal International</i> , 2022, 231, 230-242.	2.4	2
3	MAGEMin, an Efficient Gibbs Energy Minimizer: Application to Igneous Systems. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	9
4	An entropy method for geodynamic modelling of phase transitions: capturing sharp and broad transitions in a multiphase assemblage. <i>Geophysical Journal International</i> , 2022, 231, 1833-1849.	2.4	1
5	Compositional heterogeneity in the mantle transition zone. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 533-550.	29.7	4
6	On the Origin of Small-Scale Seismic Scatters at 660-km Depth. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	1
7	Basaltic reservoirs in the Earth's mantle transition zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
8	Geodynamic predictions of seismic structure and discontinuity topography of the mantle transition zone. <i>Geophysical Journal International</i> , 0, , .	2.4	0
9	Insights into magma ocean dynamics from the transport properties of basaltic melt. <i>Nature Communications</i> , 2022, 13, .	12.8	6
10	Synthesis and structural analysis of CaFe <sub>2</sub> O <sub>4</sub> -type single crystals in the NaAlSiO <sub>4</sub> -MgAl <sub>2</sub> O <sub>4</sub> -Fe <sub>3</sub> O <sub>4</sub> system. <i>American Mineralogist</i> , 2023, 108, 217-221.	1.9	3
11	Mantle mineralogy limits to rocky planet water inventories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 2535-2552.	4.4	2
12	The tectonics and volcanism of Venus: New modes facilitated by realistic crustal rheology and intrusive magmatism. <i>Icarus</i> , 2023, 399, 115539.	2.5	4
13	Elasticity of amorphous calcium carbonate at high pressure and its dependence on the H <sub>2</sub> O content: A Brillouin scattering study to 20 GPa. <i>Physics of the Earth and Planetary Interiors</i> , 2023, 336, 106984.	1.9	1
14	The Stability of Dense Oceanic Crust Near the Core-Mantle Boundary. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	3.4	0
15	Mantle Phase Changes Detected From Stochastic Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	3.4	0
16	Melting of $\text{MgSiO}_3$ determined by machine learning potentials. <i>Physical Review B</i> , 2023, 107, .	3.2	4
17	Plausible Constraints on the Range of Bulk Terrestrial Exoplanet Compositions in the Solar Neighborhood. <i>Astrophysical Journal</i> , 2023, 948, 53.	4.5	10
18	Mantle heterogeneity caused by trapped water in the Southwest Basin of the South China Sea. <i>Nature Communications</i> , 2023, 14, .	12.8	1

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20	BurnMan – a Python toolkit for planetary geophysics, geochemistry and thermodynamics. Journal of Open Source Software, 2023, 8, 5389.	4.6	2
21	Elasticity of mixtures and implications for piezobarometry of mixed-phase inclusions. European Journal of Mineralogy, 2023, 35, 461-478.	1.3	2
22	Compressibility of ferropiclasite at high-temperature: Evidence for the iron spin crossover in seismic tomography. Earth and Planetary Science Letters, 2023, 618, 118296.	4.4	1
23	Disproportionation of Iron in Almandine–Pyrope–Grossular Garnet From 25 to 65 GPa. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	0
24	A decrease in the Fe <sup>3+</sup> /Fe ratio of bridgmanite with temperature at the top of the lower mantle. Earth and Planetary Science Letters, 2023, 624, 118440.	4.4	0
25	How lowermost mantle viscosity controls the chemical structure of Earth's deep interior. Communications Earth & Environment, 2023, 4, .	6.8	0
27	Effects of Fe-Ca-Mg substitutions on the equation-of-state of pyrope-rich garnet from ab initio modeling and experiments: Insights and implications for the upper mantle. Physics of the Earth and Planetary Interiors, 2024, 350, 107171.	1.9	0