Qi-Long Cao

List of Publications by Year
in descending order

19 papers	160 citations	1039880 9 h-index	1199470 12 g-index
19 all docs	19 docs citations	19 times ranked	141 citing authors

#	Article	IF	Citations
1	Transport coefficients and entropy-scaling law in liquid iron up to Earth-core pressures. Journal of Chemical Physics, 2014, 140, 114505.	1.2	23
2	Laser cooling of MgCl and MgBr in theoretical approach. Journal of Chemical Physics, 2015, 143, 024302.	1.2	22
3	Revisiting scaling laws for the diffusion coefficients in simple melts based on the structural deviation from hard-sphere-like case. Physica B: Condensed Matter, 2011, 406, 3114-3119.	1.3	13
4	Transport Properties and the Entropy-Scaling Law for Liquid Tantalum and Molybdenum under High Pressure. Chinese Physics Letters, 2014, 31, 066202.	1.3	13
5	Properties of Liquid Nickel along Melting Lines under High Pressure. Chinese Physics Letters, 2015, 32, 086201.	1.3	12
6	Correlations among residual multiparticle entropy, local atomic-level pressure, free volume and the phase-ordering rule in several liquids. Journal of Chemical Physics, 2011, 134, 044508.	1.2	10
7	Relationship between structure and cleavage behavior in the nonlinear optical crystal MnTeMoO 6. Journal of Crystal Growth, 2015, 419, 25-30.	0.7	10
8	Entropy-scaling laws for diffusion coefficients in liquid metals under high pressures. Journal of Applied Physics, 2015, 117, 135903.	1.1	9
9	Transport properties and entropy-scaling laws for diffusion coefficients in liquid Fe_{0.9}Ni_{0.1} up to 350 GPa. RSC Advances, 2016, 6, 84420-84425.	1.7	9
10	Assessing relationships between self-diffusion coefficient and viscosity in Ni-Al alloys based on the pair distribution function. Journal of Applied Physics, 2019, 126, .	1.1	7
11	Revisiting the Stokesâ€“Einstein relation for glass-forming melts. Physical Chemistry Chemical Physics, 2020, 22, 2557-2565.	1.3	7
12	Two-order-parameter description of liquid Al under five different pressures. Physical Review B, 2008, 78, .	1.1	6
13	Low-lying electronic states of BeH⁺with the effect of inner electrons. Molecular Physics, 2014, 112, 2184-2194.	0.8	5
14	Pressure Effects on the Transport and Structural Properties of Metallic Glass-Forming Liquid. Chinese Physics Letters, 2020, 37, 076201.	1.3	5
15	Stokesâ€Einstein relation in liquid ironâ€nickel alloy up to 300ÂGPa. Journal of Geophysical Research: Solid Earth, 2017, 122, 3351-3363.	1.4	4
16	Low-lying electronic states of LiF molecule with inner electrons correlation. Molecular Physics, 2015, 113, 1359-1367.	0.8	2
17	Melting properties of Pt and its transport coefficients in liquid states under high pressures. International Journal of Modern Physics B, 2016, 30, 1550250.	1.0	2
18	Investigation of physical properties for nonlinear optical crystal MnTeMoO6: Hardness, density, specific heat and chemical stability. European Physical Journal Plus, 2016, 131, 1.	1.2	1

#	Article	IF	Citations
19	Entropy and transport properties of liquid metals along the melting curve. AIP Advances, 2017, 7, 025115.	0.6	0