

Herbert R Schober

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,560
citations

567281

15
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion, relaxation, and aging of liquid and amorphous selenium. Physical Review B, 2021, 103, .	3.2	6
2	Density functional and classical simulations of liquid and glassy selenium. Physical Review B, 2020, 102, .	3.2	4
3	High temperature breakdown of the Stokes-Einstein relation in a computer simulated Cu-Zr melt. Journal of Chemical Physics, 2016, 144, 124505.	3.0	35
4	Heterogeneous diffusion, viscosity, and the Stokes-Einstein relation in binary liquids. Physical Review E, 2016, 93, 052607.	2.1	32
5	Modeling aging rates in a simple glass and its melt. Physical Review B, 2012, 85, .	3.2	10
6	Transport properties and Stokes-Einstein relation in a computer-simulated glass-forming Cu $\text{Cu}_{33}\text{Zr}_{66}$	3.2	50
7	Diffusion and jump-length distribution in liquid and amorphous Cu $\text{Cu}_{33}\text{Zr}_{66}$. Physical Review B, 2004, 70, .	3.2	50
8	Diffusion in a model metallic glass: Heterogeneity and ageing. Physical Chemistry Chemical Physics, 2004, 6, 3654-3658.	2.8	20
9	Diffusion in metallic glasses and supercooled melts. Reviews of Modern Physics, 2003, 75, 237-280.	45.6	553
10	Influence of the quench rate and the pressure on the glass transition temperature in selenium. Journal of Chemical Physics, 2002, 117, 2814-2818.	3.0	19
11	Pressure Dependence of Diffusion in Simple Glasses and Supercooled Liquids. Physical Review Letters, 2002, 88, 145901.	7.8	28
12	Vibrational density of states of selenium through the glass transition. Journal of Chemical Physics, 2001, 114, 3236-3242.	3.0	7
13	Structure and relaxation in liquid and amorphous selenium. Physical Review B, 2000, 62, 3709-3716.	3.2	69
14	Dynamic Heterogeneity of Relaxations in Glasses and Liquids. Physical Review Letters, 2000, 85, 4293-4296.	7.8	70
15	Isotope effect of diffusion in a simple liquid. Physical Review E, 2000, 62, 597-600.	2.1	17
16	Low Energy Excitations in Glasses and Melts. Progress of Theoretical Physics Supplement, 1997, 126, 67-74.	0.1	47
17	Model interatomic potential for simulations in selenium. Physical Review B, 1996, 53, 6165-6173.	3.2	79
18	Localized low-frequency vibrational modes in glasses. Physical Review B, 1991, 44, 6746-6754.	3.2	187

#	ARTICLE	IF	CITATIONS
19	Localized low-frequency vibrational modes in a simple model glass. Physical Review Letters, 1991, 66, 636-639.	7.8	240