

Herbert R Schober

List of Publications by Year in descending order

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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 in metallic glasses and supercooled melts. <i>Reviews of Modern Physics</i> , 2003, 75, 237-280.	45.6	553
2	Localized low-frequency vibrational modes in a simple model glass. <i>Physical Review Letters</i> , 1991, 66, 636-639.	7.8	240
3	Localized low-frequency vibrational modes in glasses. <i>Physical Review B</i> , 1991, 44, 6746-6754.	3.2	187
4	Transport properties and Stokes-Einstein relation in a computer-simulated glass-forming Cu ₃₃ Zr ₆₇ melt. <i>Journal of Chemical Physics</i> , 2016, 144, 124505.	3.0	35
5	Model interatomic potential for simulations in selenium. <i>Physical Review B</i> , 1996, 53, 6165-6173.	3.2	79
6	Dynamic Heterogeneity of Relaxations in Glasses and Liquids. <i>Physical Review Letters</i> , 2000, 85, 4293-4296.	7.8	70
7	Structure and relaxation in liquid and amorphous selenium. <i>Physical Review B</i> , 2000, 62, 3709-3716.	3.2	69
8	Diffusion and jump-length distribution in liquid and amorphous Cu ₃₃ Zr ₆₇ . <i>Physical Review B</i> , 2004, 70, .	3.2	50
9	Low Energy Excitations in Glasses and Melts. <i>Progress of Theoretical Physics Supplement</i> , 1997, 126, 67-74.	0.1	47
10	High temperature breakdown of the Stokes-Einstein relation in a computer simulated Cu-Zr melt. <i>Journal of Chemical Physics</i> , 2016, 144, 124505.	3.0	35
11	Heterogeneous diffusion, viscosity, and the Stokes-Einstein relation in binary liquids. <i>Physical Review E</i> , 2016, 93, 052607.	2.1	32
12	Pressure Dependence of Diffusion in Simple Glasses and Supercooled Liquids. <i>Physical Review Letters</i> , 2002, 88, 145901.	7.8	28
13	Diffusion in a model metallic glass: Heterogeneity and ageing. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3654-3658.	2.8	20
14	Influence of the quench rate and the pressure on the glass transition temperature in selenium. <i>Journal of Chemical Physics</i> , 2002, 117, 2814-2818.	3.0	19
15	Isotope effect of diffusion in a simple liquid. <i>Physical Review E</i> , 2000, 62, 597-600.	2.1	17
16	Modeling aging rates in a simple glass and its melt. <i>Physical Review B</i> , 2012, 85, .	3.2	10
17	Vibrational density of states of selenium through the glass transition. <i>Journal of Chemical Physics</i> , 2001, 114, 3236-3242.	3.0	7
18	Diffusion, relaxation, and aging of liquid and amorphous selenium. <i>Physical Review B</i> , 2021, 103, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Density functional and classical simulations of liquid and glassy selenium. Physical Review B, 2020, 102, .	3.2	4