

Petr Kostal

List of Publications by Year in descending order

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papers

262
citations

840776

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20
all docs

20
docs citations

20
times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscosity of selenium melt. Journal of Non-Crystalline Solids, 2010, 356, 2803-2806.	3.1	49
2	Viscosity of chalcogenide glass-formers. International Materials Reviews, 2020, 65, 63-101.	19.3	23
3	Viscosity of $(\text{GeS}_2)_x(\text{Sb}_2\text{S}_3)_{1-x}$ supercooled melts. Journal of Non-Crystalline Solids, 2006, 352, 3952-3955.	3.1	21
4	Viscosity of $(\text{GeSe}_2)(\text{Sb}_2\text{Se}_3)_{1-x}$ undercooled melts. Journal of Non-Crystalline Solids, 2007, 353, 2803-2806.	3.1	18
5	Viscosity of Se-Te glass-forming system. Pure and Applied Chemistry, 2015, 87, 239-247.	1.9	18
6	Modified stepwise method for determining heat capacity by DSC. Journal of Thermal Analysis and Calorimetry, 2014, 118, 485-491.	3.6	14
7	Crystal growth kinetics in $(\text{GeS}_2)_{0.2}(\text{Sb}_2\text{S}_3)_{0.8}$ glass. Thermochimica Acta, 2006, 446, 121-127.	2.7	13
8	Extended Study on Crystal Growth and Viscosity in Ge-Sb-Se Bulk Glasses and Thin Films. Journal of Physical Chemistry B, 2017, 121, 7978-7986.	2.6	13
9	Viscosity measurement by thermomechanical analyzer. Journal of Non-Crystalline Solids, 2018, 480, 118-122.	3.1	13
10	Crystallization behavior in $\text{Se}_{90}\text{Te}_{10}$ and $\text{Se}_{80}\text{Te}_{20}$ thin films. Journal of Applied Physics, 2014, 115, .	2.5	12
11	Crystal Growth Velocity in As_2Se_3 Supercooled Liquid. Crystal Growth and Design, 2017, 17, 4990-4999.	3.0	11
12	Improvement of thermal energy accumulation by incorporation of carbon nanomaterial into magnesium chloride hexahydrate and magnesium nitrate hexahydrate. Renewable Energy, 2021, 168, 1015-1026.	8.9	11
13	Crystal Growth Kinetics and Viscous Behavior in $\text{Ge}_2\text{Sb}_2\text{Se}_5$ Undercooled Melt. Journal of Physical Chemistry B, 2016, 120, 7998-8006.	2.6	10
14	Viscosity of $\text{Cu}_x(\text{As}_2\text{Se}_3)_{100-x}$ supercooled melts. Journal of Non-Crystalline Solids, 2005, 351, 3152-3155.	3.1	9
15	Analysis of crystal growth and viscosity in Ge-Sb-Se-Te undercooled melts. Journal of Non-Crystalline Solids, 2019, 505, 1-8.	3.1	8
16	General Approach to the Nucleation and Crystal Growth in $\text{Sb}_{0.5}\text{Se}_{99.5}$ Glass Explaining the Shape of DSC Curves. Crystal Growth and Design, 2016, 16, 2904-2911.	3.0	6
17	Analysis of viscosity data in As_2Se_3 , Se and $\text{Se}_{95}\text{Te}_5$ chalcogenide melts using the pressure assisted melt filling technique. Journal of Non-Crystalline Solids, 2019, 511, 100-108.	3.1	6
18	Viscosity and fragility of selected glass-forming chalcogenides. Journal of Non-Crystalline Solids, 2022, 575, 121205.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Impact of particle size reduction on glaze-melting behaviour. Journal of Thermal Analysis and Calorimetry, 2014, 116, 605-612.	3.6	2
20	Viscosity Measurements Applied to Chalcogenide Glass-Forming Systems. Hot Topics in Thermal Analysis and Calorimetry, 2011, , 165-178.	0.5	0