

# Petr Kostal

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Viscosity and fragility of selected glass-forming chalcogenides. Journal of Non-Crystalline Solids, 2022, 575, 121205.	3.1	5
2	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
3	Viscosity of chalcogenide glass-formers. International Materials Reviews, 2020, 65, 63-101.	19.3	23
4	Analysis of viscosity data in As <sub>2</sub> Se <sub>3</sub> , Se and Se <sub>95</sub> Te <sub>5</sub> chalcogenide melts using the pressure assisted melt filling technique. Journal of Non-Crystalline Solids, 2019, 511, 100-108.	3.1	6
5	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
6	Viscosity measurement by thermomechanical analyzer. Journal of Non-Crystalline Solids, 2018, 480, 118-122.	3.1	13
7	Crystal Growth Velocity in As <sub>2</sub> Se <sub>3</sub> Supercooled Liquid. Crystal Growth and Design, 2017, 17, 4990-4999.	3.0	11
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	General Approach to the Nucleation and Crystal Growth in Sb <sub>0.5</sub> Se <sub>99.5</sub> Glass Explaining the Shape of DSC Curves. Crystal Growth and Design, 2016, 16, 2904-2911.	3.0	6
10	Crystal Growth Kinetics and Viscous Behavior in Ge <sub>2</sub> Sb <sub>2</sub> Se <sub>5</sub> Undercooled Melt. Journal of Physical Chemistry B, 2016, 120, 7998-8006.	2.6	10
11	Viscosity of Se-Te glass-forming system. Pure and Applied Chemistry, 2015, 87, 239-247.	1.9	18
12	Crystallization behavior in Se <sub>90</sub> Te <sub>10</sub> and Se <sub>80</sub> Te <sub>20</sub> thin films. Journal of Applied Physics, 2014, 115, .	2.5	12
13	Impact of particle size reduction on glaze-melting behaviour. Journal of Thermal Analysis and Calorimetry, 2014, 116, 605-612.	3.6	2
14	Modified stepwise method for determining heat capacity by DSC. Journal of Thermal Analysis and Calorimetry, 2014, 118, 485-491.	3.6	14
15	Viscosity Measurements Applied to Chalcogenide Glass-Forming Systems. Hot Topics in Thermal Analysis and Calorimetry, 2011, , 165-178.	0.5	0
16	Viscosity of selenium melt. Journal of Non-Crystalline Solids, 2010, 356, 2803-2806.	3.1	49
17	Viscosity of (GeSe <sub>2</sub> ) <sub>1-x</sub> (Sb <sub>2</sub> Se <sub>3</sub> ) <sub>x</sub> undercooled melts. Journal of Non-Crystalline Solids, 2007, 353, 2803-2806.	3.1	18
18	Viscosity of (GeS <sub>2</sub> ) <sub>x</sub> (Sb <sub>2</sub> S <sub>3</sub> ) <sub>1-x</sub> supercooled melts. Journal of Non-Crystalline Solids, 2006, 352, 3952-3955.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Crystal growth kinetics in (GeS <sub>2</sub> ) <sub>0.2</sub> (Sb <sub>2</sub> S <sub>3</sub> ) <sub>0.8</sub> glass. <i>Thermochimica Acta</i> , 2006, 446, 121-127.	2.7	13
20	Viscosity of Cux(As <sub>2</sub> Se <sub>3</sub> ) <sub>100-x</sub> supercooled melts. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 3152-3155.	3.1	9