

# Maria Chromcikova

## List of Publications by Year in descending order

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46  
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Thermokinetic behavior of the Al <sub>2</sub> O <sub>3</sub> -PbO-B <sub>2</sub> O <sub>3</sub> glasses. Journal of Non-Crystalline Solids, 2022, 576, 121230.	1.5	3
2	Effect of lithium doping on the glass transition behavior of the Bioglass 45S5. Journal of Non-Crystalline Solids, 2022, 594, 121797.	1.5	2
3	Identification of surface active components in glass forming melts by thermodynamic model. Journal of Non-Crystalline Solids, 2021, 551, 120415.	1.5	2
4	Thermodynamic model of ZnO-Nb <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> glasses parameterization and validation. International Journal of Applied Glass Science, 2021, 12, 581-587.	1.0	1
5	Raman spectroscopic study of corroded historical glass. International Journal of Applied Glass Science, 2021, 12, 613-620.	1.0	2
6	Role of modifiers in the structural interpretation of the glass transition behavior in MgO/BaO-Al <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses. Journal of Non-Crystalline Solids, 2021, 573, 121114.	1.5	7
7	Structural relaxation and viscosity of Al <sub>2</sub> O <sub>3</sub> doped magnesium phosphate glasses. Journal of Non-Crystalline Solids, 2020, 550, 120323.	1.5	5
8	Thermodynamic modeling and Raman spectroscopy study of Na <sub>2</sub> O-TiO <sub>2</sub> -SiO <sub>2</sub> glasses. Vibrational Spectroscopy, 2020, 111, 103160.	1.2	8
9	Crystallization kinetics of binary Yb <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> glass. Journal of Thermal Analysis and Calorimetry, 2020, 142, 2141-2148.	2.0	2
10	Thermodynamic model and Raman spectra of MgO-P <sub>2</sub> O <sub>5</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2020, 142, 2025-2031.	2.0	4
11	Structure and Raman spectra of binary barium phosphate glasses. Journal of Thermal Analysis and Calorimetry, 2020, 142, 937-942.	2.0	5
12	Thermodynamic model and Raman spectra of binary barium borate glassforming melts. Journal of Thermal Analysis and Calorimetry, 2020, 142, 945-951.	2.0	3
13	Correlation between the activation energies of structural relaxation and viscous flow for BaO-P <sub>2</sub> O <sub>5</sub> -Al <sub>2</sub> O <sub>3</sub> glasses. Journal of Non-Crystalline Solids, 2020, 536, 119998.	1.5	13
14	Thermodynamic model and Raman spectra of BaO-B <sub>2</sub> O <sub>3</sub> glasses. Vibrational Spectroscopy, 2019, 105, 102970.	1.2	10
15	Thermodynamic model and high temperature Raman spectra of Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> glassforming melts. Journal of Alloys and Compounds, 2019, 798, 700-705.	2.8	2
16	High-temperature Raman study of K <sub>2</sub> ZrF <sub>6</sub> phase transitions. Journal of Alloys and Compounds, 2019, 791, 45-50.	2.8	2
17	Thermokinetic behavior of Ga-doped GeTe <sub>4</sub> glasses. Journal of Non-Crystalline Solids, 2019, 512, 7-14.	1.5	4
18	Optical microscopy, Raman spectroscopy, and AFM study of heavy weathered surface of barium crystal glass. Chemical Papers, 2018, 72, 2153-2158.	1.0	6

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19	Structural relaxation of lead and barium-free crystal glasses. Journal of Thermal Analysis and Calorimetry, 2018, 133, 371-377.	2.0	1
20	Thermodynamic model and high-temperature Raman spectra of 25Na <sub>2</sub> O-75B <sub>2</sub> O <sub>3</sub> glassforming melts. Journal of Thermal Analysis and Calorimetry, 2018, 133, 429-433.	2.0	8
21	Viscosity and configuration entropy of glasses for CHROMPIC vitrification. Journal of Thermal Analysis and Calorimetry, 2018, 133, 365-370.	2.0	1
22	Parameterization and Validation of Thermochemical Models of Glass by Advanced Statistical Analysis of Spectral Data. Hot Topics in Thermal Analysis and Calorimetry, 2017, , 257-278.	0.5	7
23	Se-doped GeTe <sub>4</sub> glasses for far-infrared optical fibers. Journal of Alloys and Compounds, 2017, 695, 2434-2443.	2.8	11
24	The Raman spectra and structure of PbO-WO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 32-36.	0.2	2
25	Chemical Durability of Gamma-Irradiated Glass Fibrous Insulation. Nuclear Technology, 2016, 193, 297-305.	0.7	2
26	Crystallization kinetics of borosilicate glasses for CHROMPIC nuclear waste vitrification. Journal of Commonwealth Law and Legal Education, 2015, 56, 49-52.	0.2	1
27	Thermodynamic model and structure of ZnO-MoO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses. Journal of Commonwealth Law and Legal Education, 2015, 56, 63-66.	0.2	3
28	Thermodynamic model and Raman spectra of ZnO-P <sub>2</sub> O <sub>5</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2015, 121, 85-91.	2.0	14
29	Thermodynamic model and Raman spectra of CaO-P <sub>2</sub> O <sub>5</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2015, 121, 269-274.	2.0	8
30	Thermodynamic model and viscosity of Ge-S glasses. Journal of Thermal Analysis and Calorimetry, 2014, 116, 581-588.	2.0	10
31	Structure of As <sub>2</sub> S <sub>3</sub> -Sb <sub>4</sub> S <sub>4</sub> glasses by combined Raman spectroscopy and thermodynamic modeling approach. Journal of Non-Crystalline Solids, 2014, 401, 115-118.	1.5	3
32	Magnetic and Surface Properties of High-Induction Nanocrystalline Fe-Nb-Cu-B/P-Si Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	4
33	Structure of Na <sub>2</sub> O-MgO-CaO-SiO <sub>2</sub> glasses by combined Raman spectroscopy and thermodynamic modeling approach. Journal of Thermal Analysis and Calorimetry, 2014, 118, 835-840.	2.0	9
34	Thermodynamic model and viscosity of Na <sub>2</sub> O-MgO-CaO-SiO <sub>2</sub> glasses. Journal of Non-Crystalline Solids, 2014, 401, 237-240.	1.5	8
35	Structural relaxation of PbO-WO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2013, 114, 947-954.	2.0	4
36	As <sub>2</sub> Se <sub>3</sub> melt crystallization studied by quadratic approximation of nucleation and growth rate temperature dependence. Journal of Thermal Analysis and Calorimetry, 2013, 114, 971-977.	2.0	7

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37	Thermodynamic model and structure of CaO-P <sub>2</sub> O <sub>5</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2013, 114, 785-789.	2.0	12
38	Thermodynamic model and physical properties of selected zirconia containing silicate glasses. Journal of Thermal Analysis and Calorimetry, 2012, 109, 831-840.	2.0	10
39	Thermal Properties and Related Structural Study of Oxide Glasses. Hot Topics in Thermal Analysis and Calorimetry, 2011, , 179-197.	0.5	11
40	New features of the glass transition revealed by the StepScan® DSC. Journal of Thermal Analysis and Calorimetry, 2010, 101, 189-194.	2.0	5
41	Stress Strain Testing of the Strand of E-Glass Fibers. Advanced Materials Research, 2008, 39-40, 165-168.	0.3	0
42	Chemical Durability of Glass Thermal Insulation Fibers in Borate and Phosphate Water Solutions. Advanced Materials Research, 2008, 39-40, 363-366.	0.3	1
43	Viscosity and structural relaxation of 15Na <sub>2</sub> O·xMgO·(10-x)CaO·75SiO <sub>2</sub> glasses. Journal of Thermal Analysis and Calorimetry, 2007, 90, 421-429.	2.0	8
44	Simple relaxation model of the reversible part of the StepScan® DSC record of glass transition. Journal of Thermal Analysis and Calorimetry, 2006, 84, 703-708.	2.0	25
45	Structure and Properties of Selected Zirconia Silicate Glasses. Advanced Materials Research, 0, 39-40, 173-176.	0.3	5
46	Application of Thermophysical Methods for Oxide/Silicate Glasses. Advanced Materials Research, 0, 1126, 99-104.	0.3	0