

Maria Chromcikova

List of Publications by Year in descending order

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46
papers

262
citations

1039880

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48
all docs

48
docs citations

48
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Thermodynamic model and Raman spectra of ZnO-P2O5 glasses. Journal of Thermal Analysis and Calorimetry, 2015, 121, 85-91.	2.0	14
3	Correlation between the activation energies of structural relaxation and viscous flow for BaO-P2O5-Al2O3 glasses. Journal of Non-Crystalline Solids, 2020, 536, 119998.	1.5	13
4	Thermodynamic model and structure of CaO-P2O5 glasses. Journal of Thermal Analysis and Calorimetry, 2013, 114, 785-789.	2.0	12
5	Thermal Properties and Related Structural Study of Oxide Glasses. Hot Topics in Thermal Analysis and Calorimetry, 2011, , 179-197.	0.5	11
6	Se-doped GeTe4 glasses for far-infrared optical fibers. Journal of Alloys and Compounds, 2017, 695, 2434-2443.	2.8	11
7	Thermodynamic model and physical properties of selected zirconia containing silicate glasses. Journal of Thermal Analysis and Calorimetry, 2012, 109, 831-840.	2.0	10
8	Thermodynamic model and viscosity of Ge-S glasses. Journal of Thermal Analysis and Calorimetry, 2014, 116, 581-588.	2.0	10
9	Thermodynamic model and Raman spectra of BaO-B2O3 glasses. Vibrational Spectroscopy, 2019, 105, 102970.	1.2	10
10	Structure of Na2O-MgO-CaO-SiO2 glasses by combined Raman spectroscopy and thermodynamic modeling approach. Journal of Thermal Analysis and Calorimetry, 2014, 118, 835-840.	2.0	9
11	Viscosity and structural relaxation of 15Na2O-xMgO-(10-x)CaO-75SiO2 glasses. Journal of Thermal Analysis and Calorimetry, 2007, 90, 421-429.	2.0	8
12	Thermodynamic model and viscosity of Na2O-MgO-CaO-SiO2 glasses. Journal of Non-Crystalline Solids, 2014, 401, 237-240.	1.5	8
13	Thermodynamic model and Raman spectra of CaO-P2O5 glasses. Journal of Thermal Analysis and Calorimetry, 2015, 121, 269-274.	2.0	8
14	Thermodynamic model and high-temperature Raman spectra of 25Na2O-75B2O3 glassforming melts. Journal of Thermal Analysis and Calorimetry, 2018, 133, 429-433.	2.0	8
15	Thermodynamic modeling and Raman spectroscopy study of Na2O-TiO2-SiO2 glasses. Vibrational Spectroscopy, 2020, 111, 103160.	1.2	8
16	As2Se3 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
17	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
18	Role of modifiers in the structural interpretation of the glass transition behavior in MgO/BaO-Al2O3-P2O5 glasses. Journal of Non-Crystalline Solids, 2021, 573, 121114.	1.5	7

#	ARTICLE	IF	CITATIONS
19	Optical microscopy, Raman spectroscopy, and AFM study of heavy weathered surface of barium crystal glass. <i>Chemical Papers</i> , 2018, 72, 2153-2158.	1.0	6
20	Structure and Properties of Selected Zirconia Silicate Glasses. <i>Advanced Materials Research</i> , 0, 39-40, 173-176.	0.3	5
21	New features of the glass transition revealed by the StepScan [®] DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 189-194.	2.0	5
22	Structural relaxation and viscosity of Al ₂ O ₃ doped magnesium phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120323.	1.5	5
23	Structure and Raman spectra of binary barium phosphate glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 937-942.	2.0	5
24	Structural relaxation of PbO-WO ₃ -P ₂ O ₅ glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 947-954.	2.0	4
25	Magnetic and Surface Properties of High-Induction Nanocrystalline Fe-Nb-Cu-B/P-Si Ribbons. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	4
26	Thermokinetic behavior of Ga-doped GeTe ₄ glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 512, 7-14.	1.5	4
27	Thermodynamic model and Raman spectra of MgO-P ₂ O ₅ glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 2025-2031.	2.0	4
28	Structure of As ₂ S ₃ -Sb ₄ S ₄ glasses by combined Raman spectroscopy and thermodynamic modeling approach. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 115-118.	1.5	3
29	Thermodynamic model and structure of ZnO-MoO ₃ -P ₂ O ₅ glasses. <i>Journal of Commonwealth Law and Legal Education</i> , 2015, 56, 63-66.	0.2	3
30	Thermodynamic model and Raman spectra of binary barium borate glassforming melts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 945-951.	2.0	3
31	Thermokinetic behavior of the Al ₂ O ₃ -PbO-B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2022, 576, 121230.	1.5	3
32	The Raman spectra and structure of PbO-WO ₃ -P ₂ O ₅ glasses. <i>Journal of Commonwealth Law and Legal Education</i> , 2016, 57, 32-36.	0.2	2
33	Chemical Durability of Gamma-Irradiated Glass Fibrous Insulation. <i>Nuclear Technology</i> , 2016, 193, 297-305.	0.7	2
34	Thermodynamic model and high temperature Raman spectra of Na ₂ O-B ₂ O ₃ glassforming melts. <i>Journal of Alloys and Compounds</i> , 2019, 798, 700-705.	2.8	2
35	High-temperature Raman study of K ₂ ZrF ₆ phase transitions. <i>Journal of Alloys and Compounds</i> , 2019, 791, 45-50.	2.8	2
36	Crystallization kinetics of binary Yb ₂ O ₃ -Al ₂ O ₃ glass. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 2141-2148.	2.0	2

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37	Identification of surface active components in glass forming melts by thermodynamic model. Journal of Non-Crystalline Solids, 2021, 551, 120415.	1.5	2
38	Raman spectroscopic study of corroded historical glass. International Journal of Applied Glass Science, 2021, 12, 613-620.	1.0	2
39	Effect of lithium doping on the glass transition behavior of the Bioglass 45S5. Journal of Non-Crystalline Solids, 2022, 594, 121797.	1.5	2
40	Chemical Durability of Glass Thermal Insulation Fibers in Borate and Phosphate Water Solutions. Advanced Materials Research, 2008, 39-40, 363-366.	0.3	1
41	Crystallization kinetics of borosilicate glasses for CHROMPIC nuclear waste vitrification. Journal of Commonwealth Law and Legal Education, 2015, 56, 49-52.	0.2	1
42	Structural relaxation of lead and barium-free crystal glasses. Journal of Thermal Analysis and Calorimetry, 2018, 133, 371-377.	2.0	1
43	Viscosity and configuration entropy of glasses for CHROMPIC vitrification. Journal of Thermal Analysis and Calorimetry, 2018, 133, 365-370.	2.0	1
44	Thermodynamic model of $ZnO-Nb_2O_5-P_2O_5$ glasses – parameterization and validation. International Journal of Applied Glass Science, 2021, 12, 581-587.	1.0	1
45	Stress Strain Testing of the Strand of E-Glass Fibers. Advanced Materials Research, 2008, 39-40, 165-168.	0.3	0
46	Application of Thermophysical Methods for Oxide/Silicate Glasses. Advanced Materials Research, 0, 1126, 99-104.	0.3	0