Petr Kostka

List of Publications by Year
in descending order

33	485	759233 12	677142 22
papers	citations	h-index	g-index

35	35	35	475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature sensing down to 4 K with erbium-doped tellurite glasses. Journal of Non-Crystalline Solids, 2022, 575, 121183.	3.1	3
2	Luminescence, up-conversion and temperature sensing in Er-doped TeO2-PbCl2-WO3 glasses. Journal of Non-Crystalline Solids, 2021, 553, 120287.	3.1	10
3	Electrical and Dielectric Properties of Sb2O3â€“PbCl2â€“AgCl Glass System. Russian Journal of Electrochemistry, 2021, 57, 681-687.	0.9	0
4	Experimental and Simulation of Electric Transport in Alkali Antimonite Glasses. Russian Journal of Electrochemistry, 2021, 57, 688-699.	0.9	0
5	Influence of NaI Additions on the Electrical, Dielectric, and Transport Properties in the GeS2â€“Ga2S3â€“NaI Glass System. Russian Journal of Electrochemistry, 2019, 55, 501-509.	0.9	2
6	Electro-optic glass for light modulators. Journal of Non-Crystalline Solids, 2019, 518, 51-56.	3.1	4
7	Er-doped antimonite Sb2O3â˜PbOâ˜ZnO/ZnS glasses studied by low-temperature photoluminescence spectroscopy. Journal of Alloys and Compounds, 2019, 780, 866-872.	5.5	11
8	Investigating the influence of transition metal oxides on temperature dependent optical properties of PbCl2â€“TeO2 glasses for their evaluation as transparent large band gap semiconductors. Journal of Alloys and Compounds, 2018, 748, 687-693.	5.5	12
9	Investigation of radiation shielding properties for MeO-PbCl 2 -TeO 2 (MeO = Bi 2 O 3 , MoO 3 , Sb 2 O 3 ,) Tj ETQq1 1 0.784314 rgBT	2.8	48
10	Investigation of Er doped zinc borate glasses by low-temperature photoluminescence. Journal of Luminescence, 2017, 192, 1104-1109.	3.1	11
11	Photoluminescence properties of Erâ€doped Geâ€“In(Ga)â€“S glasses modified by caesium halides. Physica Status Solidi (B): Basic Research, 2017, 254, 1600662.	1.5	1
12	Optical properties of As2S3 layers deposited from solutions. Journal of Non-Crystalline Solids, 2016, 431, 47-51.	3.1	11
13	Optical fibers of As₂S₃glasses: preparation and characterization. Proceedings of SPIE, 2015, , .	0.8	1
14	Low-temperature photoluminescence in chalcogenide glasses doped with rare-earth ions. Journal of Alloys and Compounds, 2015, 648, 237-243.	5.5	12
15	Photoluminescence of some chalcogenide glasses doped with rare-earth ions. , 2015, , .		0
16	Electrical, dielectric, and optical properties of Sb 2 O 3 â€“Li 2 Oâ€“MoO 3 glasses. Journal of Non-Crystalline Solids, 2015, 428, 42-48.	3.1	21
17	Local atomic structure and electrical properties of Ge20Se80â˜xTex (x=0, 5, 10, and 15) glasses doped with Ho. Journal of Alloys and Compounds, 2014, 586, 308-313.	5.5	5
18	Photoluminescence study of Er-doped zincâ€“sodiumâ€“antimonite glasses. Journal of Alloys and Compounds, 2014, 611, 111-116.	5.5	30

#	Article	IF	Citations
19	Investigation of electrical and optical properties of Geâ€“Gaâ€“Asâ€“S glasses doped with rare-earth ions. Journal of Non-Crystalline Solids, 2013, 377, 85-89.	3.1	9
20	Influence of composition and preparation conditions on some physical properties of TeO2â€“Sb2O3â€“PbCl2 Glasses. Journal of Non-Crystalline Solids, 2013, 377, 74-78.	3.1	14
21	Calculation and analysis of vibrational spectra of PbCl2â€“Sb2O3â€“TeO2 glass from first principles. Journal of Non-Crystalline Solids, 2011, 357, 2562-2570.	3.1	16
22	Preparation and optical characterization of PbCl₂â€“Sb₂O₃â€“TeO₂ glasses doped with rare earth elements. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1821-1826.	1.8	21
23	Investigation of Ge based chalcogenide glasses doped with Er, Pr and Ho. Journal of Non-Crystalline Solids, 2010, 356, 2355-2359.	3.1	18
24	Electro-optical characterization of Geâ€“Seâ€“Te glasses. Journal of Non-Crystalline Solids, 2009, 355, 2083-2087.	3.1	11
25	Etude de la devitrification des verres Sb2O3-PhI2. Annales De Chimie: Science Des Materiaux, 2009, 34, 249-266.	0.4	2
26	Synthesis and characterization of an amorphous precursor for leucite dental ceramics. Journal of Non-Crystalline Solids, 2008, 354, 741-748.	3.1	6
27	Preparation and characterization of telluride glasses. Journal of Non-Crystalline Solids, 2008, 354, 486-491.	3.1	13
28	Glass formation in the Sb2O3â€“ZnBr2 binary system. Journal of Physics and Chemistry of Solids, 2004, 65, 901-906.	4.0	19
29	Glasses based on TeO 2 and Pb 2+ : preparation and characterization. Journal of Non-Crystalline Solids, 2003, 326-327, 42-46.	3.1	8
30	Preparation and characterization of sulfide, selenide and telluride glasses. Journal of Non-Crystalline Solids, 2003, 326-327, 47-52.	3.1	22
31	Preparation of Leucite Based Materials. Solid State Phenomena, 2003, 90-91, 377-382.	0.3	9
32	Glass Formation in the PbCl₂-Sb₂O₃-TeO₂ System. Solid State Phenomena, 2003, 90-91, 235-240.	0.3	7
33	Heavy metal oxide glasses: preparation and physical properties. Journal of Non-Crystalline Solids, 2001, 284, 288-295.	3.1	128