Haibo Peng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1972537/publications.pdf

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23	334	759233 12	839539 18
papers	citations	h-index	g-index

23	23	23	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of beta decay effects in borosilicate glasses by changing composition. Journal of Non-Crystalline Solids, 2022, 583, 121483.	3.1	5
2	Structural changes on the surfaces of borosilicate glasses induced by gammaâ€ray irradiation. Journal of the American Ceramic Society, 2022, 105, 5178-5189.	3.8	6
3	Irradiation-induced toughening of calcium aluminoborosilicate glasses. Materials Today Communications, 2022, 31, 103649.	1.9	2
4	Properties of irradiated sodium borosilicate glasses from experiment and atomistic simulations. Journal of the American Ceramic Society, 2021, 104, 4479-4491.	3.8	4
5	Radiation effects on structure and mechanical properties of borosilicate glasses. Journal of Nuclear Materials, 2021, 552, 153025.	2.7	23
6	Î³-Irradiation effects in borosilicate glass studied by EPR and UVâ€“Vis spectroscopies. Nuclear Instruments & Methods in Physics Research B, 2020, 464, 106-110.	1.4	17
7	Difference in radiation effects of sodium borosilicate glass and vitreous silica with ions. Journal of Non-Crystalline Solids, 2019, 518, 118-122.	3.1	15
8	Composition effects on mechanical properties of pristine sodium borosilicate glass. International Journal of Applied Glass Science, 2019, 10, 363-370.	2.0	5
9	Comparison of hardness variation of ion irradiated borosilicate glasses with different projected ranges. Nuclear Instruments & Methods in Physics Research B, 2018, 419, 8-13.	1.4	13
10	Variation of hardness and modulus of sodium borosilicate glass irradiated with different ions. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 214-218.	1.4	13
11	Variation of hardness and modulus of borosilicate glass irradiated with Kr ions. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 561-565.	1.4	13
12	Potential effect on the interaction of highly charged ion with graphene. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 291-296.	1.4	3
13	Structural origin of hardness decrease in irradiated sodium borosilicate glass. Journal of Chemical Physics, 2017, 147, 234502.	3.0	18
14	Effect of irradiation on hardness of borosilicate glass. Journal of Non-Crystalline Solids, 2016, 443, 143-147.	3.1	24
15	Study of modifications in the mechanical properties of sodium aluminoborosilicate glass induced by heavy ions and electrons. Nuclear Instruments & Methods in Physics Research B, 2016, 370, 42-48.	1.4	28
16	Morphological study of borosilicate glass surface irradiated by heavy ions. Surface and Coatings Technology, 2016, 306, 245-250.	4.8	16
17	Raman spectroscopy of graphene irradiated with highly charged ions. Surface and Coatings Technology, 2016, 306, 171-175.	4.8	15
18	Cross-sections of single & double electron capture in the interaction of highly charged ions with N2gas. Journal of Physics: Conference Series, 2014, 488, 082008.	0.4	1

#	Article	IF	Citations
19	Study of irradiation damage in borosilicate glass induced by He ions and electrons. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 541-544.	1.4	53
20	Raman spectra and nano-indentation of Ar-irradiated borosilicate glass. Nuclear Instruments & Methods in Physics Research B, 2013, 316, 218-221.	1.4	38
21	Formation of monolayer graphene on a basal HOPG surface irradiated with Xe ions. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 127-130.	1.4	3
22	Raman study of Kr ion irradiated sodium aluminoborosilicate glass. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 566-569.	1.4	18
23	Study of the interaction of highly charged ions with SiO2 surface. Surface and Coatings Technology, 2009, 203, 2387-2389.	4.8	1