

Haibo Peng

List of Publications by Year in descending order

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

Version: 2024-02-01

23
papers

334
citations

759233

12
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Raman spectra and nano-indentation of Ar-irradiated borosilicate glass. Nuclear Instruments & Methods in Physics Research B, 2013, 316, 218-221.	1.4	38
3	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
4	Effect of irradiation on hardness of borosilicate glass. Journal of Non-Crystalline Solids, 2016, 443, 143-147.	3.1	24
5	Radiation effects on structure and mechanical properties of borosilicate glasses. Journal of Nuclear Materials, 2021, 552, 153025.	2.7	23
6	Raman study of Kr ion irradiated sodium aluminoborosilicate glass. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 566-569.	1.4	18
7	Structural origin of hardness decrease in irradiated sodium borosilicate glass. Journal of Chemical Physics, 2017, 147, 234502.	3.0	18
8	^{13}C -Irradiation effects in borosilicate glass studied by EPR and UV-Vis spectroscopies. Nuclear Instruments & Methods in Physics Research B, 2020, 464, 106-110.	1.4	17
9	Morphological study of borosilicate glass surface irradiated by heavy ions. Surface and Coatings Technology, 2016, 306, 245-250.	4.8	16
10	Raman spectroscopy of graphene irradiated with highly charged ions. Surface and Coatings Technology, 2016, 306, 171-175.	4.8	15
11	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
12	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
13	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
14	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
15	Structural changes on the surfaces of borosilicate glasses induced by gamma-ray irradiation. Journal of the American Ceramic Society, 2022, 105, 5178-5189.	3.8	6
16	Composition effects on mechanical properties of pristine sodium borosilicate glass. International Journal of Applied Glass Science, 2019, 10, 363-370.	2.0	5
17	Simulation of beta decay effects in borosilicate glasses by changing composition. Journal of Non-Crystalline Solids, 2022, 583, 121483.	3.1	5
18	Properties of irradiated sodium borosilicate glasses from experiment and atomistic simulations. Journal of the American Ceramic Society, 2021, 104, 4479-4491.	3.8	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Irradiation-induced toughening of calcium aluminoborosilicate glasses. Materials Today Communications, 2022, 31, 103649.	1.9	2
22	Study of the interaction of highly charged ions with SiO ₂ surface. Surface and Coatings Technology, 2009, 203, 2387-2389.	4.8	1
23	Cross-sections of single & double electron capture in the interaction of highly charged ions with N ₂ gas. Journal of Physics: Conference Series, 2014, 488, 082008.	0.4	1