

Mengli Sun

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

180
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of irradiation on hardness of borosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2016, 443, 143-147.	3.1	24
2	Radiation effects on structure and mechanical properties of borosilicate glasses. <i>Journal of Nuclear Materials</i> , 2021, 552, 153025.	2.7	23
3	Structural origin of hardness decrease in irradiated sodium borosilicate glass. <i>Journal of Chemical Physics</i> , 2017, 147, 234502.	3.0	18
4	^{13}C -Irradiation effects in borosilicate glass studied by EPR and UV-Vis spectroscopies. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 464, 106-110.	1.4	17
5	Raman spectroscopy of graphene irradiated with highly charged ions. <i>Surface and Coatings Technology</i> , 2016, 306, 171-175.	4.8	15
6	Difference in radiation effects of sodium borosilicate glass and vitreous silica with ions. <i>Journal of Non-Crystalline Solids</i> , 2019, 518, 118-122.	3.1	15
7	Variation of hardness and modulus of borosilicate glass irradiated with Kr ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 406, 561-565.	1.4	13
8	Comparison of hardness variation of ion irradiated borosilicate glasses with different projected ranges. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 419, 8-13.	1.4	13
9	Variation of hardness and modulus of sodium borosilicate glass irradiated with different ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 435, 214-218.	1.4	13
10	The +2 oxidation state of Cr incorporated into the crystal lattice of UO_2 . <i>Communications Materials</i> , 2020, 1, .	6.9	13
11	Composition effects on mechanical properties of pristine sodium borosilicate glass. <i>International Journal of Applied Glass Science</i> , 2019, 10, 363-370.	2.0	5
12	Properties of irradiated sodium borosilicate glasses from experiment and atomistic simulations. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4479-4491.	3.8	4
13	Pyrochlore Compounds From Atomistic Simulations. <i>Frontiers in Chemistry</i> , 2021, 9, 733321.	3.6	4
14	Potential effect on the interaction of highly charged ion with graphene. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 407, 291-296.	1.4	3
15	Modeling of Nuclear Waste Forms: State-of-the-Art and Perspectives. <i>MRS Advances</i> , 2020, 5, 213-222.	0.9	0
16	Radiation effects on borosilicate glass irradiated with ions. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2019, 49, 114610.	0.4	0