

# Mengli Sun

## List of Publications by Year in descending order

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16  
papers

180  
citations

933447

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h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of irradiated sodium borosilicate glasses from experiment and atomistic simulations. Journal of the American Ceramic Society, 2021, 104, 4479-4491.	3.8	4
2	Radiation effects on structure and mechanical properties of borosilicate glasses. Journal of Nuclear Materials, 2021, 552, 153025.	2.7	23
3	Pyrochlore Compounds From Atomistic Simulations. Frontiers in Chemistry, 2021, 9, 733321.	3.6	4
4	$^{13}\text{C}$ -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
5	Modeling of Nuclear Waste Forms: State-of-the-Art and Perspectives. MRS Advances, 2020, 5, 213-222.	0.9	0
6	The +2 oxidation state of Cr incorporated into the crystal lattice of UO <sub>2</sub> . Communications Materials, 2020, 1, .	6.9	13
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	Radiation effects on borosilicate glass irradiated with ions. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 114610.	0.4	0
10	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
11	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
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	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
14	Structural origin of hardness decrease in irradiated sodium borosilicate glass. Journal of Chemical Physics, 2017, 147, 234502.	3.0	18
15	Effect of irradiation on hardness of borosilicate glass. Journal of Non-Crystalline Solids, 2016, 443, 143-147.	3.1	24
16	Raman spectroscopy of graphene irradiated with highly charged ions. Surface and Coatings Technology, 2016, 306, 171-175.	4.8	15