Amy S Gandy

List of Publications by Year
in descending order

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24 papers	425 citations	933447 10 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	392 citing authors

#	Article	IF	Citations
1	Design principles of low-activation high entropy alloys. Journal of Alloys and Compounds, 2022, 907, 164526.	5.5	12
2	High-Entropy Alloys for Advanced Nuclear Applications. Entropy, 2021, 23, 98.	2.2	131
3	Finite element modeling of resistive surface layers by microâ€contact impedance spectroscopy. Journal of the American Ceramic Society, 2020, 103, 2702-2714.	3.8	0
4	Radiation damage tolerance of a novel metastable refractory high entropy alloy V2.5Cr1.2WMoCo0.04. Journal of Nuclear Materials, 2020, 531, 152005.	2.7	48
5	Phase Distribution, Composition, and Disorder in Y₂(Hf,Sn)₂O₇ Ceramics: Insights from Solid-State NMR Spectroscopy and First-Principles Calculations. Journal of Physical Chemistry C, 2020, 124, 17073-17084.	3.1	7
6	Resistance to amorphisation in Ca1-xLa2x/3TiO3 perovskites â€“ a bulk ion-irradiation study. Acta Materialia, 2019, 180, 180-188.	7.9	10
7	High Temperature and Ion Implantation-Induced Phase Transformations in Novel Reduced Activation Si-Fe-V-Cr (-Mo) High Entropy Alloys. Frontiers in Materials, 2019, 6, .	2.4	13
8	Modeling the influence of two terminal electrode contact geometry and sample dimensions in electroâ€materials. Journal of the American Ceramic Society, 2019, 102, 3609-3622.	3.8	4
9	Transformation of Cs-IONSIVÂ® into a ceramic wasteform by hot isostatic pressing. Journal of Nuclear Materials, 2018, 498, 33-43.	2.7	7
10	Formation of F6V2 complexes in F-implanted Ge determined by x-ray absorption near edge structure spectroscopy. Materials Science in Semiconductor Processing, 2017, 62, 205-208.	4.0	2
11	Iron phosphate glasses: Bulk properties and atomic scale structure. Journal of Nuclear Materials, 2017, 494, 342-353.	2.7	28
12	Simulation of alpha decay of actinides in iron phosphate glasses by ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 424-428.	1.4	12
13	Ion Beam Irradiation Induced Structural Modifications in Iron Phosphate Glasses: A Model System for Understanding Radiation Damage in Nuclear Waste Glasses. Materials Research Society Symposia Proceedings, 2015, 1757, 65.	0.1	1
14	The durability of iodide sodalite. Journal of Nuclear Materials, 2014, 449, 168-172.	2.7	40
15	The effect of uranium oxide additions on the structure of alkali borosilicate glasses. Journal of Non-Crystalline Solids, 2013, 378, 282-289.	3.1	19
16	Surface Sensitive Spectroscopy Study of Ion Beam Irradiation Induced Structural Modifications in Borosilicate Glasses. Materials Research Society Symposia Proceedings, 2013, 1514, 75-80.	0.1	2
17	Thermal Conversion of Cs-exchanged IONSIV IE-911 into a Novel Caesium Ceramic Wasteform by Hot Isostatic Pressing. Materials Research Society Symposia Proceedings, 2013, 1518, 67-72.	0.1	4
18	The Effect of Î³-radiation on Mechanical Properties of Model UK Nuclear Waste Glasses. Materials Research Society Symposia Proceedings, 2013, 1518, 41-46.	0.1	3

#	Article	IF	Citations
19	Positron annihilation studies of fluorine-vacancy complexes in Si and SiGe. Journal of Applied Physics, 2012, 111, 073510.	2.5	3
20	Crystal structure and non-stoichiometry of cerium brannerite: Ce0.975Ti2O5.95. Journal of Solid State Chemistry, 2012, 192, 172-178.	2.9	25
21	The effects of Î³-radiation on model vitreous wasteforms intended for the disposal of intermediate and high level radioactive wastes in the United Kingdom. Journal of Nuclear Materials, 2012, 429, 353-367.	2.7	34
22	Solid-phase epitaxial regrowth of amorphous silicon containing helium bubbles. Journal of Applied Physics, 2008, 104, .	2.5	14
23	The interaction of cavities in silicon with moving amorphousâ€“crystalline interfaces. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 177-180.	1.4	2
24	The effect of ion-beam specimen preparation techniques on vacancy-type defects in silicon. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 610-613.	1.4	4