Emily E Moore

List of Publications by Year
in descending order

21 papers	246 citations	1163117 8 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	269 citing authors

#	Article	IF	Citations
1	Versatile Uranyl Germanate Framework Hosting 12 Different Alkali Halide 1D Salt Inclusions. Inorganic Chemistry, 2018, 57, 11606-11615.	4.0	29
2	Diffusion model of the non-stoichiometric uranium dioxide. Journal of Solid State Chemistry, 2013, 203, 145-153.	2.9	28
3	Molecular dynamics simulation of Xe bubble nucleation in nanocrystalline UO2 nuclear fuel. Journal of Nuclear Materials, 2011, 419, 140-144.	2.7	27
4	Uranium nitride-silicide advanced nuclear fuel: higher efficiency and greater safety. Advances in Applied Ceramics, 2018, 117, s76-s81.	1.1	26
5	Observation of an Unusual Uranyl Cationâ€“Cation Interaction in the Strongly Fluorescent Layered Uranyl Phosphates Rb₆[(UO₂)₇O₄(PO₄)₄] and Cs₆[(UO₂)₇O₄(PO₄)₄].	4.0	24
6	A Family of Layered Phosphates Crystallizing in a Rare Geometrical Isomer of the Phosphuranylite Topology: Synthesis, Characterization, and Computational Modeling of A₄[(UO₂)₃O₂(PO₄)₂] (A =) Tj ETQq0 0 0 rgBT /Overlock	4.0	20
7	Development of a CALPHAD Thermodynamic Database for Pu-U-Fe-Ga Alloys. Applied Sciences (Switzerland), 2019, 9, 5040.	2.5	17
8	Oxygen diffusion model of the mixed (U,Pu)O2 Â± x: Assessment and application. Journal of Nuclear Materials, 2017, 485, 216-230.	2.7	11
9	Understanding the Stability of Salt-Inclusion Phases for Nuclear Waste-forms through Volume-based Thermodynamics. Scientific Reports, 2018, 8, 15294.	3.3	8
10	Formation of high purity uranium via laser induced thermal decomposition of uranium nitride. Materials and Design, 2020, 192, 108706.	7.0	8
11	Modeling and simulation of oxygen transport in high burnup LWR fuel. Journal of Nuclear Materials, 2020, 538, 152194.	2.7	7
12	Thermodynamics and Magnetism of SmFe12 Compound Doped with Co and Ni: An Ab Initio Study. Applied Sciences (Switzerland), 2022, 12, 4860.	2.5	7
13	Understanding the Polymorphism of A₄[(UO₂)₃(PO₄)₂O₂] (A =) Tj ETQq1 1 0.784314 rgBT /O	4.0	7
14	Thermodynamics and Magnetism of YCo5 Compound Doped with Fe and Ni: An Ab Initio Study. Applied Sciences (Switzerland), 2020, 10, 6037.	2.5	5
15	The Efficacy of Replacing Metallic Cerium in Aluminumâ€“Cerium Alloys with LREE Mischmetal. Minerals, Metals and Materials Series, 2020, , 216-221.	0.4	5
16	Thermodynamics Modeling for Actinide Monocarbides and Mononitrides from First Principles. Applied Sciences (Switzerland), 2022, 12, 728.	2.5	5
17	Thermodynamics of Plutonium Monocarbide from Anharmonic and Relativistic Theory. Applied Sciences (Switzerland), 2020, 10, 6524.	2.5	4
18	Laser-induced thermal decomposition of uranium triiodide and ammonium uranium fluoride. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 1427-1437.	1.5	4

#	Article	IF	Citations
19	Thermodynamics of Uranium Tri-Iodide from Density-Functional Theory. Applied Sciences (Switzerland), 2020, 10, 3914.	2.5	2
20	Laser modification of silica, simulating pulse shape and length. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3025-3027.	1.4	0
21	Correction to â€œUnderstanding the Polymorphism of A₄[(UO₂)₃(PO₄)₂O₂] (A =) Tj ETQq1 1 0.784314 rgBT /(4895-4895.	3.0	0