

Emily E Moore

List of Publications by Year in descending order

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docs citations

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times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamics Modeling for Actinide Monocarbides and Mononitrides from First Principles. Applied Sciences (Switzerland), 2022, 12, 728.	2.5	5
2	Thermodynamics and Magnetism of SmFe ₁₂ Compound Doped with Co and Ni: An Ab Initio Study. Applied Sciences (Switzerland), 2022, 12, 4860.	2.5	7
3	Laser-induced thermal decomposition of uranium triiodide and ammonium uranium fluoride. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 1427-1437.	1.5	4
4	Thermodynamics of Plutonium Monocarbide from Anharmonic and Relativistic Theory. Applied Sciences (Switzerland), 2020, 10, 6524.	2.5	4
5	Thermodynamics and Magnetism of YCo ₅ Compound Doped with Fe and Ni: An Ab Initio Study. Applied Sciences (Switzerland), 2020, 10, 6037.	2.5	5
6	Thermodynamics of Uranium Tri-Iodide from Density-Functional Theory. Applied Sciences (Switzerland), 2020, 10, 3914.	2.5	2
7	Modeling and simulation of oxygen transport in high burnup LWR fuel. Journal of Nuclear Materials, 2020, 538, 152194.	2.7	7
8	Formation of high purity uranium via laser induced thermal decomposition of uranium nitride. Materials and Design, 2020, 192, 108706.	7.0	8
9	The Efficacy of Replacing Metallic Cerium in Aluminum-Cerium Alloys with LREE Mischmetal. Minerals, Metals and Materials Series, 2020, , 216-221.	0.4	5
10	Correction to "Understanding the Polymorphism of A ₄ [(UO ₂) ₂] ₃ (PO ₄) ₂ O ₂ (A =) Tj ETQq0.0 0 rgBT/Overlock 4895-4895.	3.0	0
11	Development of a CALPHAD Thermodynamic Database for Pu-U-Fe-Ga Alloys. Applied Sciences (Switzerland), 2019, 9, 5040.	2.5	17
12	Understanding the Polymorphism of A ₄ [(UO ₂) ₂] ₃ (PO ₄) ₂ O ₂ (A =) Tj ETQq0.0 0 rgBT/Overlock	3.0	0
13	A Family of Layered Phosphates Crystallizing in a Rare Geometrical Isomer of the Phosphuranylite Topology: Synthesis, Characterization, and Computational Modeling of A ₄ [(UO ₂) ₂] ₃ O ₂ (PO ₄) ₂ (A =) Tj ETQq1.1 0.784314 rgBT	4.0	29
14	Observation of an Unusual Uranyl Cation-Cation Interaction in the Strongly Fluorescent Layered Uranyl Phosphates Rb ₆ [(UO ₂) ₂] ₇ O ₄ (PO ₄) ₄ and Cs ₆ [(UO ₂) ₂] ₇ O ₄ (PO ₄) ₄ . Inorganic Chemistry, 2018, 57, 3675-3678.	4.0	24
15	Understanding the Stability of Salt-Inclusion Phases for Nuclear Waste-forms through Volume-based Thermodynamics. Scientific Reports, 2018, 8, 15294.	3.3	8
16	Uranium nitride-silicide advanced nuclear fuel: higher efficiency and greater safety. Advances in Applied Ceramics, 2018, 117, s76-s81.	1.1	26
17	Versatile Uranyl Germanate Framework Hosting 12 Different Alkali Halide 1D Salt Inclusions. Inorganic Chemistry, 2018, 57, 11606-11615.	4.0	29
18	Oxygen diffusion model of the mixed (U,Pu)O ₂ ± x: Assessment and application. Journal of Nuclear Materials, 2017, 485, 216-230.	2.7	11

#	ARTICLE	IF	CITATIONS
19	Diffusion model of the non-stoichiometric uranium dioxide. Journal of Solid State Chemistry, 2013, 203, 145-153.	2.9	28
20	Molecular dynamics simulation of Xe bubble nucleation in nanocrystalline UO ₂ nuclear fuel. Journal of Nuclear Materials, 2011, 419, 140-144.	2.7	27
21	Laser modification of silica, simulating pulse shape and length. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3025-3027.	1.4	0