

Karl Rickert

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

498
citations

1162889

8
h-index

940416

16
g-index

23
all docs

23
docs citations

23
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the $\text{Ca}_2(\text{Al}_x\text{Mg}_x)(\text{Al}_x\text{Si}_{1+x}\text{O}_3)\text{O}_7$ Phosphor. <i>Journal of the American Chemical Society</i> , 2015, 137, 12494-12497.		7
2	Thermal Energy Transport in Oxide Nuclear Fuel. <i>Chemical Reviews</i> , 2022, 122, 3711-3762.	23.0	37
3	Tris(3,5-di- <i>tert</i> -butylcatecholato)molybdenum(VI): Lewis Acidity and Nonclassical Oxygen Atom Transfer Reactions. <i>Inorganic Chemistry</i> , 2013, 52, 12587-12598.	1.9	29
4	Nonclassical oxygen atom transfer reactions of oxomolybdenum(vi) bis(catecholate). <i>Chemical Communications</i> , 2012, 48, 7826.	2.2	23
5	Assessing UO ₂ sample quality with $\frac{1}{4}$ -Raman spectroscopy. <i>Journal of Nuclear Materials</i> , 2019, 514, 1-11.	1.3	19
6	Nonlinear propagating modes beyond the phonons in fluorite-structured crystals. <i>Communications Physics</i> , 2020, 3, .	2.0	17
7	Inhibiting laser oxidation of UO ₂ via Th substitution. <i>Journal of Nuclear Materials</i> , 2019, 517, 254-262.	1.3	14
8	A Rutile Chevron Modulation in Delafossite-Like $\text{Ga}_3\text{In}_3\text{Ti}_x\text{O}_9+x/2$. <i>Inorganic Chemistry</i> , 2016, 55, 4403-4409.	1.9	10
9	Structural, Electrical, and Optical Properties of the Tetragonal, Fluorite-Related $\text{Zn}_{0.456}\text{In}_{1.084}\text{Ge}_{0.460}\text{O}_3$. <i>Chemistry of Materials</i> , 2015, 27, 5072-5079.	3.2	9
10	Novel primary amine diazeniumdiolates—Chemical and biological characterization. <i>Drug Development Research</i> , 2018, 79, 136-143.	1.4	8
11	Selective Crystal Growth and Structural, Optical, and Electronic Studies of $\text{Mn}_3\text{Ta}_2\text{O}_8$. <i>Inorganic Chemistry</i> , 2015, 54, 6513-6519.	1.9	6
12	Site Dependency of the High Conductivity of $\text{Ga}_2\text{In}_6\text{Sn}_2\text{O}_{16}$: The Role of the 7-Coordinate Site. <i>Chemistry of Materials</i> , 2015, 27, 8084-8093.	3.2	4
13	Raman and photoluminescence evaluation of ion-induced damage uniformity in ThO ₂ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2022, 515, 69-79.	0.6	4
14	Site Identity and Importance in Cosubstituted Bixbyite In_2O_3 . <i>Crystals</i> , 2017, 7, 47.	1.0	3
15	Identifying crystallographic faces of the fluorites urania and thoria with rotational polarized Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1902-1909.	1.2	2
16	Hydrothermal Crystal Growth on Non-native Substrates: The Case of UO ₂ . <i>Crystal Growth and Design</i> , 0, , .	1.4	1
17	The impact of feedstock size and composition on the hydrothermal growth of (U,Th)O ₂ . <i>Journal of Crystal Growth</i> , 2022, 592, 126732.	0.7	1
18	When precession electron diffraction tomography goes dynamical. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s104-s105.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Cover Image, Volume 79, Issue 3. Drug Development Research, 2018, 79, i-i.	1.4	0
20	Point light detection with UO ₂ . Journal of Applied Physics, 2021, 130, 074503.	1.1	0
21	Transparent Conductors: Complex Coordination in Complex Metal Oxides. , 2019, , 131-155.		0