

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	Raman and photoluminescence evaluation of ion-induced damage uniformity in ThO ₂ . Nuclear Instruments & Methods in Physics Research B, 2022, 515, 69-79.	0.6	4
2	Thermal Energy Transport in Oxide Nuclear Fuel. Chemical Reviews, 2022, 122, 3711-3762.	23.0	37
3	The impact of feedstock size and composition on the hydrothermal growth of (U,Th)O ₂ . Journal of Crystal Growth, 2022, 592, 126732.	0.7	1
4	Point light detection with UO ₂ . Journal of Applied Physics, 2021, 130, 074503.	1.1	0
5	Identifying crystallographic faces of the fluorites urania and thoria with rotational polarized Raman spectroscopy. Journal of Raman Spectroscopy, 2021, 52, 1902-1909.	1.2	2
6	Nonlinear propagating modes beyond the phonons in fluorite-structured crystals. Communications Physics, 2020, 3, .	2.0	17
7	Inhibiting laser oxidation of UO ₂ via Th substitution. Journal of Nuclear Materials, 2019, 517, 254-262.	1.3	14
8	Assessing UO ₂ sample quality with $\frac{1}{4}$ -Raman spectroscopy. Journal of Nuclear Materials, 2019, 514, 1-11.	1.3	19
9	Transparent Conductors: Complex Coordination in Complex Metal Oxides. , 2019, , 131-155.		0
10	Novel primary amine diazeniumdiolatesâ€”Chemical and biological characterization. Drug Development Research, 2018, 79, 136-143.	1.4	8
11	Cover Image, Volume 79, Issue 3. Drug Development Research, 2018, 79, i-i.	1.4	0
12	Site Identity and Importance in Cosubstituted Bixbyite In ₂ O ₃ . Crystals, 2017, 7, 47.	1.0	3
13	When precession electron diffraction tomography goes dynamical. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s104-s105.	0.0	0
14	A Rutile Chevron Modulation in Delafossite-Like Ga ₃ â€”xIn ₃ Ti _x O _{9+x/2} . Inorganic Chemistry, 2016, 55, 4403-4409.	1.9	10
15	Site Dependency of the High Conductivity of Ga ₂ In ₆ Sn ₂ O ₁₆ : The Role of the 7-Coordinate Site. Chemistry of Materials, 2015, 27, 8084-8093.	3.2	4
16	Structural, Electrical, and Optical Properties of the Tetragonal, Fluorite-Related Zn _{0.456} In _{1.084} Ge _{0.460} O ₃ . Chemistry of Materials, 2015, 27, 5072-5079.	3.2	9
17	Selective Crystal Growth and Structural, Optical, and Electronic Studies of Mn ₃ Ta ₂ O ₈ . Inorganic Chemistry, 2015, 54, 6513-6519.	1.9	6
18	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the Ca ₂ (Al ₁ â€” _x Mg _x)(Al ₁ â€” _x Si _x) ₂ O ₇ Phosphor. Journal of the American Chemical Society, 2015, 137, 12494-12497.		

#	ARTICLE	IF	CITATIONS
19	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
20	Nonclassical oxygen atom transfer reactions of oxomolybdenum(vi) bis(catecholate). <i>Chemical Communications</i> , 2012, 48, 7826.	2.2	23
21	Hydrothermal Crystal Growth on Non-native Substrates: The Case of UO ₂ . <i>Crystal Growth and Design</i> , 0, , .	1.4	1