

Linggen Kong

List of Publications by Year in descending order

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32
papers

818
citations

430874

18
h-index

501196

28
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32
all docs

32
docs citations

32
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	Current advances on titanate glass-ceramic composite materials as waste forms for actinide immobilization: A technical review. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1852-1876.	5.7	32
2	Synthesis of hierarchical mesoporous Ln ₂ Ti ₂ O ₇ (Ln=ÅY, Tb, Yb) pyrochlores and uranyl sorption properties. <i>Journal of Materials Science and Technology</i> , 2022, 113, 22-32.	10.7	2
3	The incorporation of Nd or Ce in CaZrTi ₂ O ₇ zirconolite: Ceramic versus glass-ceramic. <i>Journal of Nuclear Materials</i> , 2021, 543, 152583.	2.7	12
4	Phase assemblage and microstructures of Gd ₂ Ti _{2-x} Zr _x O ₇ (x = 0.1-0.3) pyrochlore glass-ceramics as potential waste forms for actinide immobilization. <i>Materials Chemistry and Physics</i> , 2021, 273, 125058.	4.0	9
5	One-pot synthesis of Ln ₂ Sn ₂ O ₇ pyrochlore and MgAl ₂ O ₄ spinel by soft chemistry route as potential inert matrix fuel system, and the microstructural analysis. <i>Journal of Nuclear Materials</i> , 2020, 531, 152037.	2.7	7
6	Pyrochlore glass-ceramics fabricated via both sintering and hot isostatic pressing for minor actinide immobilization. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5470-5479.	3.8	22
7	Surface evolution and radiation damage of a zirconolite glass-ceramic by Au ion implantation. <i>Applied Surface Science</i> , 2019, 478, 373-382.	6.1	9
8	Uranium brannerite with Tb(III)/Dy(III) ions: Phase formation, structures, and crystallizations in glass. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7699-7709.	3.8	31
9	CaZrTi ₂ O ₇ zirconolite synthesis: From ceramic to glass-ceramic. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1460-1470.	2.1	12
10	Hot isostatically pressed Y ₂ Ti ₂ O ₇ and Gd ₂ Ti ₂ O ₇ pyrochlore glass-ceramics as potential waste forms for actinide immobilization. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1546-1554.	5.7	37
11	Phase evolution and microstructure analysis of CaZrTi ₂ O ₇ zirconolite in glass. <i>Ceramics International</i> , 2018, 44, 6285-6292.	4.8	19
12	Structural and spectroscopic investigations on the crystallization of uranium brannerite phases in glass. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5219-5228.	3.8	28
13	Zirconolite glass-ceramics for plutonium immobilization: The effects of processing redox conditions on charge compensation and durability. <i>Journal of Nuclear Materials</i> , 2017, 490, 238-241.	2.7	35
14	Phase evolution from Ln ₂ Ti ₂ O ₇ (Ln=Y and Gd) pyrochlores to brannerites in glass with uranium incorporation. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5335-5346.	3.8	26
15	Preparation of Y ₂ Ti ₂ O ₇ pyrochlore glass-ceramics as potential waste forms for actinides: The effects of processing conditions. <i>Journal of Nuclear Materials</i> , 2017, 494, 29-36.	2.7	35
16	Development of brannerite glass-ceramics for the immobilization of actinide-rich radioactive wastes. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4341-4351.	3.8	38
17	A new method for production of glass-Ln ₂ Ti ₂ O ₇ pyrochlore (Ln = Gd, Tb, Er, Yb). <i>Journal of the European Ceramic Society</i> , 2017, 37, 4963-4972.	5.7	27
18	Novel synthesis and thermal property analysis of MgO-Nd ₂ Zr ₂ O ₇ composite. <i>Ceramics International</i> , 2016, 42, 16888-16896.	4.8	11

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19	New synthesis route for lead zirconate titanate powder. <i>Ceramics International</i> , 2016, 42, 6782-6790.	4.8	6
20	Soft chemical synthesis and structural characterization of $Y_2Hf_xTi_{2-x}O_7$. <i>Ceramics International</i> , 2015, 41, 5309-5317.	4.8	20
21	New pathway for the preparation of pyrochlore $Nd_2Zr_2O_7$ nanoparticles. <i>Ceramics International</i> , 2015, 41, 7618-7625.	4.8	17
22	Novel Chemical Synthesis and Characterization of $CeTi_2O_6$ Brannerite. <i>Inorganic Chemistry</i> , 2014, 53, 6761-6768.	4.0	30
23	Theoretical and experimental Raman spectroscopic studies of synthetic thorutite ($ThTi_2O_6$). <i>Journal of Nuclear Materials</i> , 2014, 446, 68-72.	2.7	19
24	Synthesis and characterization of $Nd_2Sn_xZr_{2-x}O_7$ pyrochlore ceramics. <i>Ceramics International</i> , 2014, 40, 651-657.	4.8	31
25	Synthesis of hexa aza cages, SarAr-NCS and AmBaSar and a study of their metal complexation, conjugation to nanomaterials and proteins for application in radioimaging and therapy. <i>Dalton Transactions</i> , 2013, 42, 14402.	3.3	16
26	$Gd_2Zr_2O_7$ and $Nd_2Zr_2O_7$ pyrochlore prepared by aqueous chemical synthesis. <i>Journal of the European Ceramic Society</i> , 2013, 33, 3273-3285.	5.7	116
27	Optimizing Radiolabeling Amine-Functionalized Silica Nanoparticles Using SarAr-NCS for Applications in Imaging and Radiotherapy. <i>Langmuir</i> , 2013, 29, 5609-5616.	3.5	15
28	A Novel Chemical Route to Prepare $La_2Zr_2O_7$ Pyrochlore. <i>Journal of the American Ceramic Society</i> , 2013, 96, 935-941.	3.8	19
29	Aqueous Chemical Synthesis of $Ln_2Sn_2O_7$ Pyrochlore-Structured Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2994-3000.	3.8	17
30	Synthesis of silica nanoparticles using oil-in-water emulsion and the porosity analysis. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 309-314.	2.4	5
31	Synthesis and Characterization of Rutile Nanocrystals Prepared in Aqueous Media at Low Temperature. <i>Journal of the American Ceramic Society</i> , 2012, 95, 816-822.	3.8	13
32	Crystal chemistry and ion-irradiation resistance of Ln_2ZrO_5 compounds with $Ln = Sm, Eu, Gd, \text{ and } Tb$. <i>Journal of the American Ceramic Society</i> , 0, , .	3.8	2