

Rasmus Rosenlund Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

727
citations

623734

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888059

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g-index

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all docs

17
docs citations

17
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of highly insulating foam glass made from CRT panel glass. <i>Ceramics International</i> , 2015, 41, 9793-9800.	4.8	125
2	Influence of the glass-calcium carbonate mixture's characteristics on the foaming process and the properties of the foam glass. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1591-1598.	5.7	87
3	The mechanism of foaming and thermal conductivity of glasses foamed with MnO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2015, 425, 74-82.	3.1	76
4	The viscosity window of the silicate glass foam production. <i>Journal of Non-Crystalline Solids</i> , 2017, 456, 49-54.	3.1	73
5	Influence of the glass particle size on the foaming process and physical characteristics of foam glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 447, 190-197.	3.1	51
6	Synthesis and properties of open- and closed-porous foamed glass with a low density. <i>Construction and Building Materials</i> , 2020, 247, 118574.	7.2	48
7	Suppressing the effect of cullet composition on the formation and properties of foamed glass. <i>Ceramics International</i> , 2018, 44, 11143-11150.	4.8	47
8	Gas-releasing reactions in foam-glass formation using carbon and Mn _x O _y as the foaming agents. <i>Ceramics International</i> , 2017, 43, 4638-4646.	4.8	41
9	Influence of foaming agents on solid thermal conductivity of foam glasses prepared from CRT panel glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 465, 59-64.	3.1	34
10	Evaluation of the contributions to the effective thermal conductivity of an open-porous-type foamed glass. <i>Construction and Building Materials</i> , 2019, 214, 337-343.	7.2	34
11	Effect of alkali phosphate content on foaming of CRT panel glass using Mn ₃ O ₄ and carbon as foaming agents. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 217-222.	3.1	27
12	Evaluation of Foaming Behavior of Glass Melts by High-Temperature Microscopy. <i>International Journal of Applied Glass Science</i> , 2016, 7, 524-531.	2.0	21
13	Foam glass obtained through high-pressure sintering. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3917-3923.	3.8	20
14	High-speed synchrotron X-ray imaging of glass foaming and thermal conductivity simulation. <i>Acta Materialia</i> , 2020, 189, 85-92.	7.9	20
15	The foaming mechanism of glass foams prepared from the mixture of Mn ₃ O ₄ , carbon and CRT panel glass. <i>Ceramics International</i> , 2021, 47, 2839-2847.	4.8	12
16	Application of foaming agent-oxidizing agent couples to foamed-glass formation. <i>Journal of Non-Crystalline Solids</i> , 2021, 553, 120469.	3.1	6
17	Impact of gas composition on thermal conductivity of glass foams prepared via high-pressure sintering. <i>Journal of Non-Crystalline Solids: X</i> , 2019, 1, 100014.	1.2	5