

# Alexander Karamanov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

1,575  
citations

25  
h-index

39  
g-index

52  
ext. papers

1,749  
ext. citations

5.1  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
49	Sintered Glass-Ceramics, Self-Glazed Materials and Foams from Metallurgical Waste Slag. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
48	Sintering and phase formation of ceramics based on pre-treated municipal incinerator bottom ash. <i>Open Ceramics</i> , <b>2021</b> , 5, 100044	3.3	2
47	Sintering, crystallization and foaming of La <sub>2</sub> O <sub>3</sub> BrOBB <sub>2</sub> O <sub>3</sub> glass powders: effect of the holding time. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 544, 120168	3.9	2
46	Sintered glass-ceramics and foams by metallurgical slag with addition of CaF <sub>2</sub> . <i>Ceramics International</i> , <b>2020</b> , 46, 6507-6516	5.1	7
45	The SariĖk howardite fall in Turkey: Source crater of HED meteorites on Vesta and impact risk of Vestoids. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 953-1008	2.8	17
44	Toxicological analysis of ceramic building materials - Tiles and glasses - Obtained from post-treated bottom ashes. <i>Waste Management</i> , <b>2019</b> , 98, 50-57	8.6	15
43	Structure of glass-ceramic from Fe-Ni wastes. <i>Materials Letters</i> , <b>2018</b> , 223, 86-89	3.3	7
42	Sintering, crystallization and foaming of La <sub>2</sub> O <sub>3</sub> BrOBB <sub>2</sub> O <sub>3</sub> glass powders - effect of the holding temperature and the heating rate. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 481, 375-382	3.9	8
41	Vitrification of hazardous Fe-Ni wastes into glass-ceramic with fine crystalline structure and elevated exploitation characteristics. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 432-441	6.8	23
40	New fired bricks based on municipal solid waste incinerator bottom ash. <i>Waste Management and Research</i> , <b>2017</b> , 35, 1055-1063	4	20
39	New ceramic materials from MSWI bottom ash obtained by an innovative microwave-assisted sintering process. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 323-331	6	25
38	Optimal thermal cycle for production of glassceramic based on wastes from ferronickel manufacture. <i>Ceramics International</i> , <b>2015</b> , 41, 11379-11386	5.1	24
37	Variations in non-isothermal surface crystallization kinetics due to minor composition changes. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 428, 49-53	3.9	1
36	Sinter-crystallization in air and inert atmospheres of a glass from pre-treated municipal solid waste bottom ashes. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 389, 50-59	3.9	18
35	Vitrification and Sinter-Crystallization of Iron-Rich Industrial Wastes. <i>Advances in Science and Technology</i> , <b>2014</b> , 92, 174-183	0.1	5
34	Glass transition temperature and activation energy of sintering by optical dilatometry. <i>Thermochimica Acta</i> , <b>2013</b> , 553, 1-7	2.9	17
33	Post-treated incinerator bottom ash as alternative raw material for ceramic manufacturing. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 2843-2852	6	46

32	Variation of Avrami parameter during non-isothermal surface crystallization of glass powders with different sizes. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 1486-1490	3.9	29
31	Integrated approach to establish the sinter-crystallization ability of glasses from secondary raw material. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 10-17	3.9	26
30	Ceramics from blast furnace slag, kaolin and quartz. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 989-998	6	57
29	Pore formation in glass-ceramics: Influence of the stress energy distribution. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 117-119	3.9	8
28	Glass-ceramic frits from fly ash in terracotta production. <i>Waste Management and Research</i> , <b>2009</b> , 27, 87-92	4	9
27	Sintered material from alkaline basaltic tuffs. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 595-6016		15
26	Characterization of basaltic tuffs and their applications for the production of ceramic and glass-ceramic materials. <i>Ceramics International</i> , <b>2009</b> , 35, 2789-2795	5.1	14
25	Sinter-crystallization of a glass obtained from basaltic tuffs. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 290-295	3.9	25
24	Structure, chemical durability and crystallization behavior of incinerator-based glassy systems. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 521-528	3.9	26
23	Induced crystallization porosity and properties of sintered diopside and wollastonite glass-ceramics. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 555-562	6	78
22	Vitrification of copper flotation waste. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 140, 333-9	12.8	39
21	The effect of fired scrap addition on the sintering behaviour of hard porcelain. <i>Ceramics International</i> , <b>2006</b> , 32, 727-732	5.1	27
20	Sinter-crystallisation in the diopside- $\beta$ -lbite system. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 2511-2517	6	33
19	Sinter-crystallization in the diopside- $\beta$ -lbite system: Part II. Kinetics of crystallization and sintering. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 2519-2526	6	24
18	Sintered glass ceramic composites from vitrified municipal solid waste bottom ashes. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 137, 138-43	12.8	30
17	Sintering behaviour of a glass obtained from MSWI ash. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 1531-1540	6	34
16	Iron-Rich Sintered Glass-Ceramics from Industrial Wastes. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 3012-3016	3.8	60
15	Sintering in Nitrogen Atmosphere of Iron-Rich Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1354-1357	3.8	17

14	Sintering Behavior and Properties of Iron-Rich Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1571-1574	3.8	17
13	Properties of sintered glass-ceramics in the diopside–bite system. <i>Ceramics International</i> , <b>2004</b> , 30, 2129-2135	5.1	49
12	Sintered glass-ceramics from Municipal Solid Waste-incinerator fly ashes—Part I: the influence of the heating rate on the sinter-crystallisation. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 827-832	6	83
11	Sintered glass-ceramics from incinerator fly ashes. Part II. The influence of the particle size and heat-treatment on the properties. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 1609-1615	6	47
10	Vitrification of electric arc furnace dusts. <i>Waste Management</i> , <b>2002</b> , 22, 945-9	8.6	88
9	Chemical durability of glasses obtained by vitrification of industrial wastes. <i>Waste Management</i> , <b>2001</b> , 21, 1-9	8.6	103
8	Reply to 'Comment on Influence of Fe <sup>3+</sup> /Fe <sup>2+</sup> Ratio on the Crystallization of Iron-Rich Glasses Made with Industrial Wastes' <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 2742-2743	3.8	4
7	Crystallization phenomena in iron-rich glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 281, 139-151	3.9	97
6	Influence of the nucleation time-lag on the activation energy in non-isothermal crystallization. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 290, 173-179	3.9	16
5	The crystallisation kinetics of iron rich glass in different atmospheres. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2233-2237	6	43
4	Influence of Fe <sup>3+</sup> /Fe <sup>2+</sup> Ratio on the Crystallization of Iron-Rich Glasses Made with Industrial Wastes. <i>Journal of the American Ceramic Society</i> , <b>2000</b> , 83, 3153-3157	3.8	85
3	Evaluation of the degree of crystallisation in glass-ceramics by density measurements. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 649-654	6	70
2	Kinetics of phase formation in jarosite glass-ceramic. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 527-533	6	30
1	The effect of Cr <sub>2</sub> O <sub>3</sub> as a nucleating agent in iron-rich glass-ceramics. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 2641-2645	6	53