

Katalin SinkÃ³

List of Publications by Year in descending order

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46
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46
docs citations

46
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Chemical Conditions on the Nanoporous Structure of Silicate Aerogels. <i>Materials</i> , 2010, 3, 704-740.	2.9	130
2	Structural Characterization of Gel-Derived Calcium Silicate Systems. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10403-10411.	2.5	87
3	Sol-gel derived calcium silicate ceramics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 319, 143-148.	4.7	65
4	Liquid-Phase Synthesis of Cobalt Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 4127-4135.	0.9	49
5	Electrospun poly(aspartic acid) gel scaffolds for artificial extracellular matrix. <i>Polymer International</i> , 2014, 63, 1608-1615.	3.1	44
6	Gel Structures Containing Al(III). <i>Langmuir</i> , 1999, 15, 6631-6636.	3.5	39
7	Liquid-phase syntheses of cobalt ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	30
8	Preparation and properties of a magnetic field responsive three-dimensional electrospun polymer scaffold. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 503, 79-87.	4.7	25
9	SAXS investigation of porous nanostructures. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5466-5474.	3.1	24
10	Crystallization and Structural Relaxation of $x\text{BaO} (90-x)\text{V}_2\text{O}_5$ $10\text{Fe}_2\text{O}_3$ Glasses Accompanying an Enhancement of the Electric Conductivity. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 776-779.	1.1	23
11	Preparation effects on sol-gel aluminosilicate gels. <i>Journal of Non-Crystalline Solids</i> , 1998, 231, 1-9.	3.1	15
12	Visible light activated photo-catalytic effect and local structure of iron silicate glass prepared by sol-gel method. <i>Hyperfine Interactions</i> , 2014, 226, 747-753.	0.5	13
13	Nanostructure of Gel-Derived Aluminosilicate Materials. <i>Langmuir</i> , 2008, 24, 949-956.	3.5	12
14	Enhancement of electrical conductivity and chemical durability of $20\text{R}_2\text{O} \cdot 10\text{Fe}_2\text{O}_3 \cdot x\text{WO}_3 \cdot (70-x)\text{V}_2\text{O}_5$ glass (R=Na, K) caused by structural relaxation. <i>Journal of Non-Crystalline Solids</i> , 2013, 378, 227-233.	3.1	12
15	Visible light activated catalytic effect of iron containing soda-lime silicate glass characterized by ^{57}Fe -Mössbauer spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 1-7.	1.5	12
16	Influence of cryogenic drying conditions on hierarchical porous structure of aluminum oxide systems. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 7-14.	4.4	12
17	Photo-Fenton catalytic ability of iron-containing aluminosilicate glass prepared by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2020, 816, 153227.	5.5	12
18	Structural characterization, electrical and photocatalytic properties of ^{57}Fe and ^{59}Fe - Fe_2O_3 nanoparticles dispersed in iron aluminosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2021, 561, 120756.	3.1	12

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19	Structural analysis and visible light-activated photocatalytic activity of iron-containing soda lime aluminosilicate glass. <i>Journal of Alloys and Compounds</i> , 2015, 645, 1-6.	5.5	11
20	Gelation of Aluminosilicate Systems Under Different Chemical Conditions. <i>Journal of Sol-Gel Science and Technology</i> , 2001, 21, 147-156.	2.4	9
21	Preparation of an aluminum oxo-hydroxide gel in organic medium. <i>Colloid and Polymer Science</i> , 1996, 274, 1054-1060.	2.1	8
22	Various Three-Dimensional Structures Connected by Al ^{IV} -O/OH/Acetate ⁻ -Al Bonds. <i>Inorganic Chemistry</i> , 2013, 52, 13238-13243.	4.0	8
23	Chemical tailoring of porous aluminum oxide xerogels. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 394-400.	3.1	8
24	Photocatalytic degradation of organic dyes and phenol by iron-silicate glass prepared by the sol-gel method. <i>New Journal of Chemistry</i> , 2021, 45, 19019-19031.	2.8	8
25	Chemical processing of new piezoelectric materials. <i>Smart Materials and Structures</i> , 2001, 10, 1078-1084.	3.5	7
26	Transformation of Aluminosilicate Wet Gel to Solid State. <i>Journal of Solid State Chemistry</i> , 2002, 165, 111-118.	2.9	7
27	Gel-derived porous alumina systems. <i>Materials Letters</i> , 2013, 107, 344-347.	2.6	7
28	Effect of phosphorus precursors on the structure of bioactive calcium phosphate silicate systems. <i>Materials Science and Engineering C</i> , 2017, 73, 767-777.	7.3	6
29	Visible light-activated photo-Fenton dye degradation ability of different FeOx-SiO ₂ composite systems measured by ⁵⁷ Fe Mössbauer spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1307-1315.	1.5	6
30	Various colloid systems for drawing of aluminum oxide fibers. <i>Ceramics International</i> , 2022, 48, 5499-5508.	4.8	6
31	Study of the binary CaCO ₃ -SiO ₂ system by quantitative DTA. <i>Journal of Thermal Analysis</i> , 1988, 33, 1003-1011.	0.6	5
32	A relationship between electrical conductivity and structural relaxation of 10SnO ₂ ·10Fe ₂ O ₃ ·10P ₂ O ₅ heat-treatment. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 121-128.	1.1	5
33	Structural characterization and magnetic properties of iron-phosphate glass prepared by sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2020, 543, 120158.	3.1	5
34	Chemical processes involved in the sol-gel preparation of an aluminium oxohydroxide gel from aluminium nitrate in organic medium. <i>Journal of Materials Chemistry</i> , 1998, 8, 2095.	6.7	4
35	Synthesis of aluminosilicate monolithic system by a novel fast ambient drying process. <i>Ceramics International</i> , 2016, 42, 5100-5106.	4.8	4
36	Effect of various additives on aluminum oxide thin films prepared by dip coating, thermal behavior, kinetics and optical properties. <i>Journal of the European Optical Society-Rapid Publications</i> , 2021, 17, .	1.9	4

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37	Preparation possibilities of aluminum and silicon-containing hybrid polymer systems. <i>Polymers for Advanced Technologies</i> , 2003, 14, 776-783.	3.2	3
38	Catalysis, nanostructure and macroscopic property triangle in bioactive calcium-containing ceramic systems. <i>Materials Science and Engineering C</i> , 2013, 33, 1371-1379.	7.3	3
39	Photocatalytic effect and Mössbauer study of iron titanium silicate glass prepared by sol-gel method. <i>Hyperfine Interactions</i> , 2015, 232, 51-58.	0.5	3
40	The relationship between SnII fraction and visible light activated photocatalytic activity of SnO _x -SiO ₂ glass studied by Mössbauer spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 1859-1865.	1.5	3
41	Sol-gel alumina coating on quartz substrate for environmental protection. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 262-272.	2.4	3
42	Dissolution behaviour of iron silicate glass. <i>Hyperfine Interactions</i> , 2009, 192, 31-36.	0.5	2
43	Studies of the silicon dioxide-dolomite system by thermal analysis. <i>Thermochimica Acta</i> , 1989, 148, 473-478.	2.7	1
44	Reduction of iron(III) in annealed asbestos/chrysotile. <i>Hyperfine Interactions</i> , 2008, 186, 161-166.	0.5	1
45	Short- and intermediate-range structure in Al(III)-containing gels prepared from Al-nitrate in organic medium. <i>Chemical Physics</i> , 1999, 246, 295-305.	1.9	0
46	⁵⁷ Fe-Mössbauer study of electrically conducting barium iron vanadate glass after heat treatment. <i>Hyperfine Interactions</i> , 2008, 185, 115-121.	0.5	0