# Katalin SinkÃ³

List of Publications by Year
in descending order

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| 46 | 753 | 759233 | 552781 |
|---|---|---|---|
| papers | citations | 12 h-index | 26 g-index |

| 46 | 46 | 46 | 898 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Various colloid systems for drawing of aluminum oxide fibers. Ceramics International, 2022, 48, 5499-5508. | 4.8 | 6 |
| 2 | Photocatalytic degradation of organic dyes and phenol by iron-silicate glass prepared by the solâ€“gel method. New Journal of Chemistry, 2021, 45, 19019-19031. | 2.8 | 8 |
| 3 | Structural characterization, electrical and photocatalytic properties of Î±â^'and Î³-Fe2O3 nanoparticles dispersed in iron aluminosilicate glass. Journal of Non-Crystalline Solids, 2021, 561, 120756. | 3.1 | 12 |
| 4 | Effect of various additives on aluminum oxide thin films prepared by dip coating, thermal behavior, kinetics and optical properties. Journal of the European Optical Society-Rapid Publications, 2021, 17, . | 1.9 | 4 |
| 5 | Solâ€“gel alumina coating on quartz substrate for environmental protection. Journal of Sol-Gel Science and Technology, 2020, 93, 262-272. | 2.4 | 3 |
| 6 | Photo-Fenton catalytic ability of iron-containing aluminosilicate glass prepared by sol-gel method. Journal of Alloys and Compounds, 2020, 816, 153227. | 5.5 | 12 |
| 7 | Structural characterization and magnetic properties of iron-phosphate glass prepared by sol-gel method. Journal of Non-Crystalline Solids, 2020, 543, 120158. | 3.1 | 5 |
| 8 | Visible light-activated photo-Fenton dye degradation ability of different FeOxÂ·SiO2 composite systems measured by 57Fe MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1307-1315. | 1.5 | 6 |
| 9 | Chemical tailoring of porous aluminum oxide xerogels. Journal of Non-Crystalline Solids, 2018, 499, 394-400. | 3.1 | 8 |
| 10 | Effect of phosphorus precursors on the structure of bioactive calcium phosphate silicate systems. Materials Science and Engineering C, 2017, 73, 767-777. | 7.3 | 6 |
| 11 | The relationship between SnII fraction and visible light activated photocatalytic activity of SnOxÂ·SiO2 glass studied by MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1859-1865. | 1.5 | 3 |
| 12 | Preparation and properties of a magnetic field responsive three-dimensional electrospun polymer scaffold. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 503, 79-87. | 4.7 | 25 |
| 13 | Synthesis of aluminosilicate monolithic system by a novel fast ambient drying process. Ceramics International, 2016, 42, 5100-5106. | 4.8 | 4 |
| 14 | A relationship between electrical conductivity and structural relaxation of 10SnO<sub>2</sub>·10Fe<sub>2</sub>O<sub>3</sub>·10P<sub>2&l heat-treatment. Journal of the Ceramic Society of Japan, 2015, 123, 121-128. | 1.1 | 5 |
| 15 | Photocatalytic effect and MÃ¶ssbauer study of iron titanium silicate glass prepared by sol-gel method. Hyperfine Interactions, 2015, 232, 51-58. | 0.5 | 3 |
| 16 | Influence of cryogenic drying conditions on hierarchical porous structure of aluminum oxide systems. Microporous and Mesoporous Materials, 2015, 218, 7-14. | 4.4 | 12 |
| 17 | Structural analysis and visible light-activated photocatalytic activity of iron-containing soda lime aluminosilicate glass. Journal of Alloys and Compounds, 2015, 645, 1-6. | 5.5 | 11 |
| 18 | Visible light activated photo-catalytic effect and local structure of iron silicate glass prepared by sol-gel method. Hyperfine Interactions, 2014, 226, 747-753. | 0.5 | 13 |

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|---|---|---|---|
| 19 | Electrospun poly(aspartic acid) gel scaffolds for artificial extracellular matrix. Polymer International, 2014, 63, 1608-1615. | 3.1 | 44 |
| 20 | Visible light activated catalytic effect of iron containing soda-lime silicate glass characterized by 57Fe-MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 1-7. | 1.5 | 12 |
| 21 | Gel-derived porous alumina systems. Materials Letters, 2013, 107, 344-347. | 2.6 | 7 |
| 22 | Catalysis, nanostructure and macroscopic property triangle in bioactive calcium-containing ceramic systems. Materials Science and Engineering C, 2013, 33, 1371-1379. | 7.3 | 3 |
| 23 | Enhancement of electrical conductivity and chemical durability of 20R2Oâ€¢10Fe2O3â€¢xWO3â€¢(70â^'x)V2O5 glass (R=Na, K) caused by structural relaxation. Journal of Non-Crystalline Solids, 2013, 378, 227-233. | 3.1 | 12 |
| 24 | Various Three-Dimensional Structures Connected by Alâ€“O/OH/Acetateâ€“Al Bonds. Inorganic Chemistry, 2013, 52, 13238-13243. | 4.0 | 8 |
| 25 | Liquid-phase syntheses of cobalt ferrite nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 30 |
| 26 | Liquid-Phase Synthesis of Cobalt Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2011, 11, 4127-4135. | 0.9 | 49 |
| 27 | Influence of Chemical Conditions on the Nanoporous Structure of Silicate Aerogels. Materials, 2010, 3, 704-740. | 2.9 | 130 |
| 28 | Structural Characterization of Gel-Derived Calcium Silicate Systems. Journal of Physical Chemistry A, 2010, 114, 10403-10411. | 2.5 | 87 |
| 29 | Dissolution behaviour of iron silicate glass. Hyperfine Interactions, 2009, 192, 31-36. | 0.5 | 2 |
| 30 | 57Fe-MÃ¶ssbauer study of electrically conducting barium iron vanadate glass after heat treatment. Hyperfine Interactions, 2008, 185, 115-121. | 0.5 | 0 |
| 31 | Reduction of iron(III) in annealed asbestos/chrysotile. Hyperfine Interactions, 2008, 186, 161-166. | 0.5 | 1 |
| 32 | Solâ€“gel derived calcium silicate ceramics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 143-148. | 4.7 | 65 |
| 33 | SAXS investigation of porous nanostructures. Journal of Non-Crystalline Solids, 2008, 354, 5466-5474. | 3.1 | 24 |
| 34 | Nanostructure of Gel-Derived Aluminosilicate Materials. Langmuir, 2008, 24, 949-956. | 3.5 | 12 |
| 35 | Crystallization and Structural Relaxation of xBaO (90-x)V2O5 10Fe2O3 Glasses Accompanying an Enhancement of the Elctric Conductivity. Journal of the Ceramic Society of Japan, 2007, 115, 776-779. | 1.1 | 23 |
| 36 | Preparation possibilities of aluminum and silicon-containing hybrid polymer systems. Polymers for Advanced Technologies, 2003, 14, 776-783. | 3.2 | 3 |

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|---|---|---|---|
| 37 | Transformation of Aluminosilicate Wet Gel to Solid State. Journal of Solid State Chemistry, 2002, 165, 111-118. | 2.9 | 7 |
| 38 | Chemical processing of new piezoelectric materials. Smart Materials and Structures, 2001, 10, 1078-1084. | 3.5 | 7 |
| 39 | Gelation of Aluminosilicate Systems Under Different Chemical Conditions. Journal of Sol-Gel Science and Technology, 2001, 21, 147-156. | 2.4 | 9 |
| 40 | Short- and intermediate-range structure in Al(III)-containing gels prepared from Al-nitrate in organic medium. Chemical Physics, 1999, 246, 295-305. | 1.9 | 0 |
| 41 | Gel Structures Containing Al(III). Langmuir, 1999, 15, 6631-6636. | 3.5 | 39 |
| 42 | Preparation effects on solâ€“gel aluminosilicate gels. Journal of Non-Crystalline Solids, 1998, 231, 1-9. | 3.1 | 15 |
| 43 | Chemical processes involved in the solâ€“gel preparation of an aluminium oxohydroxide gel from aluminium nitrate in organic medium. Journal of Materials Chemistry, 1998, 8, 2095. | 6.7 | 4 |
| 44 | Preparation of an aluminum oxo-hydroxide gel in organic medium. Colloid and Polymer Science, 1996, 274, 1054-1060. | 2.1 | 8 |
| 45 | Studies of the silicon dioxide-dolomite system by thermal analysis. Thermochimica Acta, 1989, 148, 473-478. | 2.7 | 1 |
| 46 | Study of the binary CaCO3-SiO2 system by quantatitative DTA. Journal of Thermal Analysis, 1988, 33, 1003-1011. | 0.6 | 5 |