

Stanislav Kurajica

List of Publications by Year in descending order

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65
papers

941
citations

516710

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501196

28
g-index

66
all docs

66
docs citations

66
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydration of a layered double hydroxideâ€™C2AH8. <i>Thermochimica Acta</i> , 2007, 464, 7-15.	2.7	133
2	The effect of annealing temperature on the structure and optical properties of solâ€™gel derived nanocrystalline cobalt aluminate spinel. <i>Materials Chemistry and Physics</i> , 2012, 135, 587-593.	4.0	61
3	Corrosion behavior of alumina ceramics in aqueous HCl and H2SO4 solutions. <i>Corrosion Science</i> , 2008, 50, 872-878.	6.6	54
4	Decationization and dealumination of clinoptilolite tuff and ammonium exchange on acid-modified tuff. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 48-56.	9.4	45
5	Diphasic aluminosilicate gels with two stage mullitization in temperature range of 1200â€™1300Å°C. <i>Journal of the European Ceramic Society</i> , 2005, 25, 613-626.	5.7	39
6	Inverse spinel structure of Co-doped gahnite. <i>American Mineralogist</i> , 2009, 94, 771-776.	1.9	38
7	Crystallization kinetics of mullite from single-phase gel determined by isothermal differential scanning calorimetry. <i>Journal of Non-Crystalline Solids</i> , 1998, 223, 57-72.	3.1	33
8	Crystallization behavior and microstructure of powdered and bulk ZnOâ€™Al2O3â€™SiO2 glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 149-157.	3.1	32
9	Photocatalytic degradation of imidacloprid in the flat-plate photoreactor under UVA and simulated solar irradiance conditionsâ€™The influence of operating conditions, kinetics and degradation pathway. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105611.	6.7	29
10	Grinding kinetics of amorphous powder obtained by solâ€™gel process. <i>Powder Technology</i> , 2010, 197, 165-169.	4.2	26
11	High Surface Area Ceria Nanoparticles via Hydrothermal Synthesis Experiment Design. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	25
12	Synthesis and characterization of nanocrystalline zinc aluminate spinel by solâ€™gel technique using modified alkoxide precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 46, 152-160.	2.4	23
13	The influence of solvents on solâ€™gel derived calcium aluminate. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 306-313.	4.0	21
14	Partial inverse spinel structure of manganese-doped gahnite: XRD and EPR spectroscopy studies. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8487-8492.	5.5	19
15	CoAl2O4â€™mullite composites prepared by solâ€™gel processes. <i>Journal of the European Ceramic Society</i> , 2007, 27, 951-958.	5.7	18
16	A spectroscopic study of calcium aluminate gels obtained from aluminium sec-butoxide chelated with ethyl acetoacetate in various ratios. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 58-68.	2.4	18
17	A comparative study of hydrothermally derived Mn, Fe, Co, Ni, Cu and Zn doped ceria nanocatalysts. <i>Materials Chemistry and Physics</i> , 2020, 244, 122689.	4.0	18
18	Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. <i>Materials Chemistry and Physics</i> , 2014, 147, 1058-1067.	4.0	17

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19	Crystallization of amorphous Al ₂ O ₃ -SiO ₂ precursors doped with nickel. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2837-2844.	3.1	16
20	Resolution of overlapping peaks and the determination of kinetic parameters for the crystallization of multicomponent system from DTA or DSC curves: I. Non-isothermal kinetics. <i>Thermochimica Acta</i> , 1996, 288, 123-135.	2.7	15
21	Mullite crystallization kinetics of lanthanum doped sol-gel derived precursors. <i>Journal of the European Ceramic Society</i> , 2011, 31, 377-383.	5.7	15
22	The correlation between compressive strength and ultrasonic parameters of calcium aluminate cement materials. <i>Cement and Concrete Research</i> , 2004, 34, 1451-1457.	11.0	14
23	Isothermal and non-isothermal crystallization kinetics of zinc-aluminosilicate glasses. <i>Thermochimica Acta</i> , 2001, 378, 135-144.	2.7	13
24	Cobalt incorporation in mullite. <i>American Mineralogist</i> , 2007, 92, 408-411.	1.9	11
25	Evolution of structural and optical properties in the course of thermal evolution of sol-gel derived cobalt-doped gahnite. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3223-3228.	5.5	11
26	Experimental and theoretical (ReaxFF) study of manganese-based catalysts for low-temperature toluene oxidation. <i>Ceramics International</i> , 2021, 47, 3108-3121.	4.8	11
27	A Brief Review on the Use of Chelation Agents in Sol-gel Synthesis with Emphasis on β -Diketones and β -Ketoesters. <i>Chemical and Biochemical Engineering Quarterly</i> , 2019, 33, 295-301.	0.9	11
28	Resolution of overlapping peaks and the determination of kinetic parameters for the crystallization of multicomponent system from DTA or DSC curves. <i>Thermochimica Acta</i> , 2000, 360, 63-70.	2.7	10
29	Nanocrystalline anatase derived from modified alkoxide mesostructured gel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 645-655.	3.6	10
30	Manganese-doped ceria nanoparticles grain growth kinetics. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121600.	2.9	9
31	ZnO-Al ₂ O ₃ -SiO ₂ glass ceramics: Influence of composition on crystal phases, crystallite size and appearance. <i>Journal of Non-Crystalline Solids</i> , 2021, 553, 120481.	3.1	9
32	True doping levels in hydrothermally derived copper-doped ceria. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	9
33	Manganese-doped, hydrothermally-derived ceria: The occurrence of birnessite and the distribution of manganese. <i>Ceramics International</i> , 2020, 46, 29451-29458.	4.8	9
34	Properties and Antimicrobial Activity of Nanosilver Deposited Cotton Fabric Coated with β -Methacryloxypropyl Trimethoxysilane. <i>Journal of Nano Research</i> , 2012, 20, 77-88.	0.8	8
35	From eggshells biowaste to hydroxyapatite biomaterial. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017, 48, 797-802.	0.9	8
36	Thermal and structural studies of sol-gel-derived yttria-doped ZrO ₂ nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 197-206.	3.6	8

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37	Reinforcing blade-cast photocatalytic-titania thin film by titanate nanotubes. <i>Materials Research Bulletin</i> , 2018, 105, 142-148.	5.2	8
38	Adsorption and Degradation Kinetics of Methylene Blue on As-prepared and Calcined Titanate Nanotubes. <i>Athens Journal of Sciences</i> , 2018, 5, 7-22.	0.2	8
39	A new approach to solid-state reactions kinetics analysis: the application of assisting functions to basic equations for isothermal conditions. <i>Thermochimica Acta</i> , 2002, 386, 81-90.	2.7	7
40	Method for induction time determination using data obtained from isothermal crystallization experiment monitored by DSC. <i>Journal of Applied Polymer Science</i> , 2004, 93, 2454-2458.	2.6	6
41	Acid Corrosion Behavior of Sol-Gel Prepared Mullite Ceramics With and Without Addition of Lanthanum. <i>Journal of the American Ceramic Society</i> , 2013, 96, 923-927.	3.8	6
42	Essential role of B metal species in perovskite type catalyst structure and activity on toluene oxidation. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 553-564.	3.5	6
43	Phase composition, morphology, properties and improved catalytic activity of hydrothermally-derived manganese-doped ceria nanoparticles. <i>Nanotechnology</i> , 2022, 33, 135709.	2.6	6
44	The utilization of modified alkoxide as a precursor for solvothermal synthesis of nanocrystalline titania. <i>Materials Chemistry and Physics</i> , 2017, 196, 194-204.	4.0	5
45	Rust layer growth and modification by a tannin-based mixture for lowering steel corrosion rates in neutral saline solution. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 372-380.	1.4	5
46	A structural investigation of tris(ethyl acetoacetate)aluminium (III). <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 217-223.	2.4	4
47	The Effect of La_2O_3 Addition on Sol-Gel Derived Mullitization. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2264-2271.	3.8	4
48	Multinuclear Magnetic Resonance Study on Aluminium Sec-butoxide Chelated with Ethyl Acetoacetate in Various Amounts. <i>Croatica Chemica Acta</i> , 2019, 92, 17-28.	0.4	4
49	Development of phases in the sol-gel derived mixed-metal-oxide ($\text{Al}_2\text{O}_3\text{-TiO}_2\text{-ZnO}$) functional sorbent material. <i>Ceramics International</i> , 2020, 46, 29388-29401.	4.8	4
50	Crystallization pathway of sol-gel derived zinc-doped mullite precursors. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1285-1292.	5.7	3
51	In-Operando Diffraction and Spectroscopic Evaluation of Pure, Zr-, and Ce-Doped Vanadium Dioxide Thermochromic Films Derived via Glycolate Synthesis. <i>Nanomaterials</i> , 2020, 10, 2537.	4.1	3
52	Tailoring microstructural, textural and thermal properties of γ -alumina by modifying aluminum sec-butoxide with ethyl acetoacetate within a sol-gel synthesis. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109783.	4.0	3
53	Drug-Drug Compatibility Evaluation of Sulfasalazine and Folic Acid for Fixed-Dose Combination Development Using Various Analytical Tools. <i>Pharmaceutics</i> , 2021, 13, 400.	4.5	3
54	Mechanochemical synthesis of zincite doped with cadmium in various amounts. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 482-490.	1.4	2

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55	Humidity Sensing Ceria Thin-Films. <i>Nanomaterials</i> , 2022, 12, 521.	4.1	2
56	Catalytic activity and properties of copper-doped ceria nanocatalyst for VOCs oxidation. <i>Journal of Materials Research</i> , 2022, 37, 1929-1940.	2.6	2
57	The Isothermal and Non-Isothermal Crystallization Kinetics La ₂ O ₃ Doped, Sol-Gel Derived Mullite. <i>Advances in Science and Technology</i> , 2010, 62, 107-112.	0.2	1
58	Microstructure of sol-gel derived Mn-doped gahnite: Correlation of TEM and XRD investigations. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1240-1244.	4.0	1
59	Sol-gel synthesis of manganese-doped ceria from acetylacetonate precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 256-268.	2.4	1
60	Sol-Gel Derived Mullite-Gahnite Composite. <i>Advances in Science and Technology</i> , 0, , .	0.2	0
61	Catalytic activity and related properties of sol-gel-derived manganese-doped gahnite. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	0
62	Thermoanalytical, Spectroscopic and Chromatographic Approach to Physicochemical Compatibility Investigation of 5-Aminosalicylates and Folic Acid. <i>Croatica Chemica Acta</i> , 2021, 94, .	0.4	0
63	Properties and Potential Applications of Manganese-doped Ceria Gained by Mechanochemical Synthesis. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
64	Thermal stability study of hydrothermally derived copper-doped cerium (IV) oxide nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , .	3.6	0
65	Thermal evolution of gels prepared by chelation of aluminum sec-butoxide with ethyl acetoacetate in various amounts. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , .	3.6	0