G P Kopitsa

List of Publications by Year
in descending order

85	732	566801 15	713013 21
papers	citations	h-index	g-index

89	89	89	691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mesoporous silica obtained with methyltriethoxysilane as co-precursor in alkaline medium. Applied Surface Science, 2017, 424, 275-281.	3.1	40
2	One-stage synthesis of ceria colloid solutions for biomedical use. Doklady Chemistry, 2011, 437, 103-106.	0.2	29
3	Oxygen nonstoichiometry of nanocrystalline ceria. Russian Journal of Inorganic Chemistry, 2010, 55, 325-327.	0.3	27
4	Fluctuations of chemical composition of austenite and their consequence on shape memory effect in Feâ€“Mnâ€“(Si, Cr, Ni, C, N) alloys. Acta Materialia, 2004, 52, 4791-4799.	3.8	25
5	Effect of carbon and nitrogen on chemical homogeneity of fcc iron-based alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 2195-2199.	1.1	24
6	pH control of the structure, composition, and catalytic activity of sulfated zirconia. Journal of Solid State Chemistry, 2013, 198, 496-505.	1.4	24
7	Mesostructure, fractal properties and thermal decomposition of hydrous zirconia and hafnia. Russian Journal of Inorganic Chemistry, 2009, 54, 2091-2106.	0.3	22
8	Chemoresistive gas-sensitive ZnO/Pt nanocomposites films applied by microplotter printing with increased sensitivity to benzene and hydrogen. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115233.	1.7	22
9	Hydrothermal growth of ceria nanoparticles. Russian Journal of Inorganic Chemistry, 2009, 54, 1857-1861.	0.3	18
10	Combined SANS and SAXS study of the action of ultrasound on the structure of amorphous zirconia gels. Ultrasonics Sonochemistry, 2015, 24, 230-237.	3.8	18
11	Study of the effect of methods for liquid-phase synthesis of nanopowders on the structure and physicochemical properties of ceramics in the CeO2â€“Y2O3 system. Russian Journal of Inorganic Chemistry, 2017, 62, 1275-1285.	0.3	18
12	Spin correlations and magnetonuclear cross-correlation in Sm(Sr)-Mn-O perovskites in the low-temperature phase. JETP Letters, 1999, 69, 353-360.	0.4	16
13	Small-angle polarized neutron scattering in Sm1â^'xSrxMnO3 (x<0.5) perovskite. Physica B: Condensed Matter, 2000, 276-278, 795-796.	1.3	16
14	Specifics of high-temperature coarsening of ceria nanoparticles. Russian Journal of Inorganic Chemistry, 2009, 54, 1689-1696.	0.3	16
15	Calcifying Bacteria Flexibility in Induction of CaCO3 Mineralization. Life, 2020, 10, 317.	1.1	15
16	Fractal structure of ceria nanopowders. Inorganic Materials, 2008, 44, 272-277.	0.2	14
17	Hydrothermal microwave synthesis of nanocrystalline cerium dioxide. Doklady Chemistry, 2009, 426, 131-133.	0.2	14
18	Luminescence of Eu³⁺ ions in hybrid polymerâ€inorganic composites based on poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 1	1.5	14

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19	First rare-earth phosphate aerogel: solâ€“gel synthesis of monolithic ceric hydrogen phosphate aerogel. Journal of Sol-Gel Science and Technology, 2018, 85, 574-584.	1.1	13
20	Photoluminescent porous aerogel monoliths containing ZnEu-complex: the first example of aerogel modified with a heteronuclear metal complex. Journal of Sol-Gel Science and Technology, 2019, 92, 304-318.	1.1	13
21	Synthesis of Magnetic Nanopowders of Iron Oxide: Magnetite and Maghemite. Russian Journal of Inorganic Chemistry, 2020, 65, 426-430.	0.3	13
22	Mesostructure of xerogels of hydrated zirconium dioxide. JETP Letters, 2007, 85, 122-126.	0.4	12
23	Heat-Treatment-Induced Evolution of the Mesostructure of Finely Divided Y3Al5O12 Produced by the Solâ€“Gel Method. Russian Journal of Inorganic Chemistry, 2018, 63, 691-699.	0.3	12
24	A sol-gel synthesis and gas-sensing properties of finely dispersed ZrTiO4. Materials Chemistry and Physics, 2019, 225, 347-357.	2.0	12
25	Photochromic and Photocatalytic Properties of Ultra-Small PVP-Stabilized WO3 Nanoparticles. Molecules, 2020, 25, 154.	1.7	12
26	Engineering SiO2â€“TiO2 binary aerogels for sun protection and cosmetic applications. Journal of Supercritical Fluids, 2021, 169, 105099.	1.6	12
27	Morphological structure of Gluconacetobacter xylinus cellulose and cellulose-based organic-inorganic composite materials. Journal of Physics: Conference Series, 2017, 848, 012017.	0.3	10
28	Hybrid mesoporous silica with controlled drug release. Journal of the Serbian Chemical Society, 2019, 84, 1027-1039.	0.4	10
29	Evolution of composition and fractal structure of hydrous zirconia xerogels during thermal annealing. Russian Journal of Inorganic Chemistry, 2010, 55, 155-161.	0.3	9
30	Ultrasound-induced changes in mesostructure of amorphous iron (III) hydroxide xerogels: A small-angle neutron scattering study. Physical Review B, 2010, 81, .	1.1	9
31	Small-angle neutron scattering study of the mesostructure of bioactive coatings for stone materials based on nanodiamond-modified epoxy siloxane sols. Physics of the Solid State, 2014, 56, 105-113.	0.2	9
32	Comparative analysis of the physicochemical characteristics of SiO2 aerogels prepared by drying under subcritical and supercritical conditions. Inorganic Materials, 2017, 53, 1270-1278.	0.2	9
33	Structural Analysis of Aluminum Oxyhydroxide Aerogel by Small Angle X-Ray Scattering. Journal of Surface Investigation, 2018, 12, 296-305.	0.1	9
34	Aqueous chemical synthesis of iron oxides magnetic nanoparticles of different morphology and mesostructure. Ceramics International, 2021, 47, 28866-28873.	2.3	9
35	The investigation of Feâ€“Mn-based alloys with shape memory effect by small-angle scattering of polarized neutrons. Physica B: Condensed Matter, 2003, 335, 134-139.	1.3	8
36	How xerogel carbonization conditions affect the reactivity of highly disperse SiO2â€“C composites in the solâ€“gel synthesis of nanocrystalline silicon carbide. Russian Journal of Inorganic Chemistry, 2016, 61, 1347-1360.	0.3	8

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37	1D Ceric Hydrogen Phosphate Aerogels: Noncarbonaceous Ultraflyweight Monolithic Aerogels. ACS Omega, 2020, 5, 17592-17600.	1.6	8
38	Hydrophobization of organic resorcinol-formaldehyde aerogels by fluoroacylation. Journal of Fluorine Chemistry, 2021, 244, 109742.	0.9	8
39	Crystal and Supramolecular Structure of Bacterial Cellulose Hydrolyzed by Cellobiohydrolase from Scytalidium Candidum 3C: A Basis for Development of Biodegradable Wound Dressings. Materials, 2020, 13, 2087.	1.3	8
40	Spin correlations in YBa2(Cu1â^'x Fx)3O7+y ceramic. Physics of the Solid State, 1998, 40, 19-22.	0.2	7
41	Complete inheritance of fractal properties during first-order phase transition. Journal of Physics and Chemistry of Solids, 2014, 75, 296-299.	1.9	7
42	SiO2â€“TiO2 Binary Aerogels: A Small-Angle Scattering Study. Russian Journal of Inorganic Chemistry, 2021, 66, 874-882.	0.3	7
43	Novel biocompatible Cu2+-containing composite hydrogels based on bacterial cellulose and poly-1-vinyl-1,2,4-triazole. Smart Materials in Medicine, 2022, 3, 382-389.	3.7	7
44	Spatial spin resonance of polarized neutrons in amplitude-modulated magnetic fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 441-446.	0.7	6
45	On the size effect in nanocrystalline cerium dioxide: Is the Tsunekawa model correct?. Journal of Surface Investigation, 2014, 8, 997-1001.	0.1	6
46	Is Supercritical So Critical? The Choice of Temperature to Synthesize SiO2 Aerogels. Russian Journal of Inorganic Chemistry, 2020, 65, 255-262.	0.3	6
47	Study of the heavy-fermion compound CeRu2Si2 by the small-angle neutron scattering method. JETP Letters, 2005, 81, 556-560.	0.4	5
48	Investigation of the evolution of the hydrated zirconia mesostructure at different stages of heat treatment. Physics of the Solid State, 2010, 52, 957-963.	0.2	5
49	Effect of high intensity ultrasound on the mesostructure of hydrated zirconia. Journal of Physics: Conference Series, 2012, 340, 012057.	0.3	5
50	Structure and proton conductivity of a hydrated Nafion-115 membrane. Glass Physics and Chemistry, 2016, 42, 637-639.	0.2	5
51	Temperature-responsive star-shaped poly(2-ethyl-2-oxazoline) and poly(2-isopropyl-2-oxazoline) with central thiacalix[4]arene fragments: structure and properties in solutions. Colloid and Polymer Science, 2019, 297, 285-296.	1.0	5
52	The influence of chemical prehistory on the structure, photoluminescent properties, surface and biological characteristics of Zr0.98Eu0.02O1.99 nanophosphors. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 164-175.	0.2	5
53	Hydrothermal synthesis of CeO2 nanostructures and their electrochemical properties. Nanosystems: Physics, Chemistry, Mathematics, 2020, 11, 355-364.	0.2	5
54	Carbon cryogel preparation and characterization. Diamond and Related Materials, 2022, 121, 108727.	1.8	5

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55	The observation of the magnetic correlations in YBa2(Cu1â^'xFex)3O7+y ceramics by small-angle polarized neutron scattering. Physica B: Condensed Matter, 1997, 234-236, 839-840.	1.3	4
56	Structure of zirconium dioxide based porous glasses. Journal of Surface Investigation, 2014, 8, 967-975.	0.1	4
57	Influence of Stabilizing Ion Content on the Structure, Photoluminescence and Biological Properties of Zr1â€“xEuxO2â€“0.5x Nanoparticles. Crystals, 2020, 10, 1038.	1.0	4
58	The Structure and Properties of TiO2 Nanopowders for Use in Agricultural Technologies. Biointerface Research in Applied Chemistry, 2021, 11, 12285-12300.	1.0	4
59	Aqueous Chemical Co-Precipitation of Iron Oxide Magnetic Nanoparticles for Use in Agricultural Technologies. Letters in Applied NanoBioScience, 2020, 10, 2215-2239.	0.5	4
60	Structure and photoluminescent properties of TiO2:Eu3+ nanoparticles synthesized under hydro and solvothermal conditions from different precursors. Nanosystems: Physics, Chemistry, Mathematics, 2019, , 361-373.	0.2	4
61	Mesostructure of hydrated hafnia xerogels. Doklady Chemistry, 2009, 427, 160-163.	0.2	3
62	Effect of biocidal additives on the mesostructure of epoxyâ€“siloxane bioactive coatings. Journal of Surface Investigation, 2016, 10, 113-122.	0.1	3
63	The first amorphous and crystalline yttrium lactate: synthesis and structural features. RSC Advances, 2021, 11, 30195-30205.	1.7	3
64	The investigation of the spin correlations in YBa2(Cu1â^'xFex)3Oy ceramics by the small-angle scattering of polarized neutrons. Physica B: Condensed Matter, 2000, 276-278, 788-789.	1.3	2
65	Small-angle polarized neutron scattering in YBa 2 (Cu 0.9 Fe 0.1) 3 O 7-y ceramics at T =290-550 K. Applied Physics A: Materials Science and Processing, 2002, 74, s628-s630.	1.1	2
66	Effect of synthesis conditions of the micro- and mesostructure of monodisperse Y(OH)CO3 powders. Doklady Chemistry, 2012, 446, 207-211.	0.2	2
67	Mesostructure of yttrium and aluminum basic salts coprecipitated from aqueous solutions under ultrasonic treatment. Journal of Surface Investigation, 2016, 10, 177-186.	0.1	2
68	Mesostructure of Composite Materials Based on Segmented Poly(Urethane Imide) Containing Ferrite Nanoparticles. Russian Journal of Inorganic Chemistry, 2021, 66, 225-236.	0.3	2
69	Magnetic Neutron Scattering in Reduced Graphene Oxide. JETP Letters, 2021, 113, 384-388.	0.4	2
70	Application of Rock Weathering and Colonization by Biota for the Relative Dating of Moraines from the Arid Part of the Russian Altai Mountains. Geosciences (Switzerland), 2021, 11, 342.	1.0	2
71	Nanodiamond Batch Enriched with Boron: Properties and Prospects for Use in Agriculture. Biointerface Research in Applied Chemistry, 2021, 12, 6134-6147.	1.0	2
72	Sol-Gel Synthesis and Structure of Nanocomposites Based on Tetraethoxysilane and Boron Compounds. Glass Physics and Chemistry, 2021, 47, S48-S62.	0.2	2

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73	Synthesis of Iron Oxide Magnetic Nanoparticles and Their Effect on Growth, Productivity, and Quality of Tomato. Glass Physics and Chemistry, 2021, 47, S67-S74.	0.2	2
74	The spin correlations in YBa2(Cu1â^'xFex)3Oy ceramics at T=15â€“ investigated by the small-angle scattering of polarized neutrons. Physica B: Condensed Matter, 2001, 297, 245-249.	1.3	1
75	Determining the structural parameters of fractal and nonfractal objects in multiple small-angle neutron scattering experiments. Journal of Experimental and Theoretical Physics, 2005, 101, 427-436.	0.2	1
76	Synthesis and study of multiferroic and ferroelectric â€˜core-shellâ€™ powders for application in electronic devices for medicine and ecology. , 2019, , 183-207.		1
77	Model of Fractal Particles of Hydrated Zirconium Dioxide, Based on Small-Angle Neutron Scattering Data. Journal of Surface Investigation, 2019, 13, 908-913.	0.1	1
78	Investigating the Relationship between the Conditions of Polythiophene Electrosynthesis and the Pseudocapacitive Properties of Polythiophene-Based Electrodes. Glass Physics and Chemistry, 2019, 45, 281-290.	0.2	1
79	Application of BaTiO3/CoFe2O4â€“SiO2 Structure to Control the Electrical Properties of Composites. Glass Physics and Chemistry, 2019, 45, 513-517.	0.2	1
80	Morphology and Structure of a Charge of Detonation Nanodiamond Doped with Boron. Glass Physics and Chemistry, 2022, 48, 43-49.	0.2	1
81	Spatial spin-resonance of polarized neutrons in period-modulated static magnetic fields. Journal of Neutron Research, 1999, 8, 1-15.	0.4	0
82	Specific features of the mesostructure of amorphous iron(III) hydroxide xerogels synthesized in an ultrasonic field. Physics of the Solid State, 2010, 52, 979-984.	0.2	0
83	Effect of thermal treatment on characteristics nanodiamonds and diamond blend. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C557-C557.	0.3	0
84	Microstructure of Zirconia-Based Sol-Gel Glasses Studied by SANS. Acta Physica Polonica A, 2015, 128, 582-585.	0.2	0
85	Ferroelectric core/magnetic shell approach to control electric properties of composites. , 0, , .		0