

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Silica-Coated Magnetic Nanocomposites for Pb <sup>2+</sup> Removal from Aqueous Solution. Applied Sciences (Switzerland), 2020, 10, 2726.	2.5	48
2	Gelatin content governs hydration induced structural changes in silica-gelatin hybrid aerogels “ Implications in drug delivery. Acta Biomaterialia, 2020, 105, 131-145.	8.3	47
3	Mesoporous silica obtained with methyltriethoxysilane as co-precursor in alkaline medium. Applied Surface Science, 2017, 424, 275-281.	6.1	40
4	Ultrasonic preparation of mesoporous silica using pyridinium ionic liquid. Korean Journal of Chemical Engineering, 2016, 33, 749-754.	2.7	28
5	Solute aggregation in dilute aqueous solutions of tetramethylurea. Fluid Phase Equilibria, 2007, 257, 114-119.	2.5	27
6	Functionalized silica materials synthesized via co-condensation and post-grafting methods. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 323-332.	2.1	24
7	Mechanism of hydration of biocompatible silica-casein aerogels probed by NMR and SANS reveal backbone rigidity. Applied Surface Science, 2020, 531, 147232.	6.1	23
8	Removal of cadmium from aqueous solutions using inorganic porous nanocomposites. Korean Journal of Chemical Engineering, 2019, 36, 688-700.	2.7	22
9	Structural modifications caused by the increasing MTES amount in hybrid MTES/TEOS-based silica xerogels. Materials Characterization, 2020, 167, 110519.	4.4	19
10	Structural characterization and electrical properties of carbon nanotubes/epoxy polymer composites. Journal of Applied Polymer Science, 2017, 134, .	2.6	17
11	Characterization of the microstructure of tin-silver lead free solder. Journal of Alloys and Compounds, 2016, 672, 13-19.	5.5	16
12	Mechanism of Hydration and Hydration Induced Structural Changes of Calcium Alginate Aerogel. ACS Applied Materials & Interfaces, 2021, 13, 2997-3010.	8.0	16
13	Assessment of firing conditions in old fired-clay bricks: The contribution of X-ray powder diffraction with the Rietveld method and small angle neutron scattering. Materials Characterization, 2016, 116, 33-43.	4.4	15
14	Notes on hydrated cement fractals investigated by SANS. Journal Physics D: Applied Physics, 2007, 40, 4055-4059.	2.8	13
15	Colloidal structure and stabilization mechanism of aqueous solutions of unmodified fullerene C <sub>60</sub> . Crystallography Reports, 2007, 52, 487-491.	0.6	13
16	Structure and magnetic properties of nickel nanoparticles prepared by selective leaching. Materials Letters, 2014, 137, 221-224.	2.6	13
17	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.	2.4	13
18	Fundamental Skeletal Nanostructure of Nanoporous Polymer-Cross-Linked Alginate Aerogels and Its Relevance To Environmental Remediation. ACS Applied Nano Materials, 2021, 4, 10575-10583.	5.0	13

#	ARTICLE	IF	CITATIONS
19	Improved Optical and Morphological Properties of Vinyl-Substituted Hybrid Silica Materials Incorporating a Zn-Metalloporphyrin. <i>Materials</i> , 2018, 11, 565.	2.9	12
20	Synthesis and characterization of a polyurethane carrier used for a prolonged transmembrane transfer of a chili pepper extract. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7155-7166.	6.7	11
21	Small angle neutron scattering study of nanostructural changes in microbial transglutaminase-treated low-fat yogurt during fermentation. <i>Food Science and Biotechnology</i> , 2015, 24, 2125-2128.	2.6	8
22	Physicochemical Characterization and Drug Release Properties of Methyl-Substituted Silica Xerogels Made Using Sol-Gel Process. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9197.	4.1	8
23	Fractal Approach to Alternating Current Impedance Spectroscopy Studies of Carbon Nanotubes/Epoxy Polymer Composites. <i>Applied Microscopy</i> , 2017, 47, 126-130.	1.4	8
24	Fracture surfaces of porous materials. <i>Europhysics Letters</i> , 2007, 80, 16002.	2.0	7
25	Molecular Aggregation in Binary Mixtures of Pyrrolidine, N-Methylpyrrolidine, Piperidine, and N-Methylpiperidine with Water: Thermodynamic, SANS, and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3070-3086.	2.6	7
26	Obtaining and Characterization of a Polydisperse System Used as a Transmembrane Carrier for Isosorbide Derivatives. <i>Frontiers in Chemistry</i> , 2020, 8, 492.	3.6	7
27	Synthesis and characterization of magnetic iron oxide-silica nanocomposites used for adsorptive recovery of palladium (II). <i>Soft Materials</i> , 2022, 20, S68-S75.	1.7	7
28	Fullerene - polymer complexes: fractal crossover in solutions. <i>Journal of Applied Crystallography</i> , 2003, 36, 646-648.	4.5	6
29	Nano-scale Morphology of Inclusions in Tungsten Wires - a Complex SANS Study. <i>Neutron News</i> , 2012, 23, 13-16.	0.2	6
30	A novel approach in the mineralogy of Carpathian mahogany obsidian using complementary methods. <i>Quaternary International</i> , 2018, 467, 332-341.	1.5	6
31	Is Supercritical So Critical? The Choice of Temperature to Synthesize SiO <sub>2</sub> Aerogels. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 255-262.	1.3	6
32	Multibeam focussing in SANS technique. <i>Physica B: Condensed Matter</i> , 2004, 350, E771-E773.	2.7	5
33	SiO <sub>2</sub> -PVA-Fe(acac) <sub>3</sub> Hybrid Based Superparamagnetic Nanocomposites for Nanomedicine: Morpho-textural Evaluation and In Vitro Cytotoxicity Assay. <i>Molecules</i> , 2020, 25, 653.	3.8	5
34	Small-angle scattering investigation of silica xerogels and sonogels prepared with ionic liquid pyridinium tetrafluoroborate. <i>Processing and Application of Ceramics</i> , 2017, 11, 229-233.	0.8	5
35	SANS investigation of potassium morphology in bubble inclusions of sintered tungsten. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1418-s1420.	2.3	4
36	Hybrid Silica Materials Applied for Fuchsine B Color Removal from Wastewaters. <i>Nanomaterials</i> , 2021, 11, 863.	4.1	4

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37	Regulation of nanoporous structure of detonation nanodiamond powders by pressure: SANS study. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 171-176.	2.1	4
38	Design and Assessment of a Polyurethane Carrier Used for the Transmembrane Transfer of Acyclovir. Nanomaterials, 2021, 11, 51.	4.1	4
39	Polyester/Graphite Percolating Composite: Structural and Dielectric Analyses. Journal of Electronic Materials, 2021, 50, 6920.	2.2	4
40	Analysis of potassium bubble inclusions in sintered tungsten wires. Journal of Applied Crystallography, 2003, 36, 621-623.	4.5	3
41	Small-angle neutron scattering study of aqueous solutions of 1,7-heptanediol. Journal of Molecular Liquids, 2005, 118, 141-143.	4.9	3
42	A Feasibility Study for a Sans Investigation of a Heat Cured and Laser Machined Organic Resin Microturbine as Used for Airflow Sensing. Multidiscipline Modeling in Materials and Structures, 2008, 4, 155-162.	1.3	3
43	Fractal structure and temperature-dependent electrical study of carbon nanotubes/epoxy polymer composites. Spectroscopy Letters, 2017, 50, 183-188.	1.0	3
44	Mechanistic explanation for differences between catalytic activities of dissolved and aerogel immobilized Cu(II) cyclen. Applied Surface Science, 2022, 579, 152210.	6.1	3
45	Investigation of the processing effects of UV, heat and laser ablation on SUâ€8 microturbines. Multidiscipline Modeling in Materials and Structures, 2010, 6, 364-372.	1.3	2
46	Assessing the reliability of single and combined diagnostic tools for testing the mechanical properties of historic masonry structures. Pollack Periodica, 2019, 14, 31-42.	0.4	2
47	Salt content analysis of historic masonries with SEM. Pollack Periodica, 2017, 12, 99-108.	0.4	2
48	Small-Angle Neutron Scattering for Cultural Heritage Studies. , 2022, , 189-210.		2
49	A remark on nano-particle stability of cement C-S-H gel. Open Physics, 2011, 9, .	1.7	1
50	Nanoscale investigation of polymer cement concretes by small angle neutron scattering. Science and Engineering of Composite Materials, 2017, 24, 67-72.	1.4	1
51	Imidazolium Ionic Liquids as Designer Solvents Confined in Silica Nanopores. Gels, 2022, 8, 388.	4.5	1
52	Recruiting New Neutron Users from the Region: Central European Training School. Neutron News, 2015, 26, 7-8.	0.2	0
53	Structure and properties of nanocrystalline nickel prepared by selective leaching at different temperatures. Pure and Applied Chemistry, 2017, 89, 545-552.	1.9	0
54	Moisture content changing of a historic roof structure in terms of climate effects. Pollack Periodica, 2022, , .	0.4	0