Nataliya A Sipyagina

List of Publications by Year
in descending order

17	169	1163117 8	1199594 12
papers	citations	h-index	g-index

17	17	17	145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalization of aerogels by the use of pre-constructed monomers: the case of trifluoroacetylated (3-aminopropyl) triethoxysilane. RSC Advances, 2014, 4, 52423-52429.	3.6	17
2	Methyltrimethoxysilane-based elastic aerogels: Effects of the supercritical medium on structure-sensitive properties. Russian Journal of Inorganic Chemistry, 2015, 60, 488-492.	1.3	17
3	Properties of highly porous aerogels prepared from ultra-high molecular weight polyethylene. Polymer, 2019, 182, 121824.	3.8	17
4	Facile synthesis of fluorinated resorcinol-formaldehyde aerogels. Journal of Fluorine Chemistry, 2017, 193, 1-7.	1.7	15
5	Electrochemical Properties of Carbon Aerogel Electrodes: Dependence on Synthesis Temperature. Molecules, 2019, 24, 3847.	3.8	12
6	Engineering SiO2â€“TiO2 binary aerogels for sun protection and cosmetic applications. Journal of Supercritical Fluids, 2021, 169, 105099.	3.2	12
7	Methyl tert-butyl ether as a new solvent for the preparation of SiO2â€“TiO2 binary aerogels. Inorganic Materials, 2016, 52, 163-169.	0.8	11
8	Hydrophobicity/hydrophilicity control for SiO2-based aerogels: The role of a supercritical solvent. Russian Journal of Inorganic Chemistry, 2015, 60, 1169-1172.	1.3	10
9	Effect of synthetic conditions on the properties of methyltrimethoxysilane-based aerogels. Russian Journal of Inorganic Chemistry, 2014, 59, 1392-1395.	1.3	8
10	SiO2â€“TiO2 binary aerogels: Synthesis in new supercritical fluids and study of thermal stability. Russian Journal of Inorganic Chemistry, 2016, 61, 1339-1346.	1.3	8
11	Chiral lactate-modified silica aerogels. Microporous and Mesoporous Materials, 2017, 237, 127-131.	4.4	8
12	Hydrophobization of organic resorcinol-formaldehyde aerogels by fluoroacylation. Journal of Fluorine Chemistry, 2021, 244, 109742.	1.7	8
13	Hexafluoroacetone: A new solvent for manufacturing SiO2-based aerogels. Russian Journal of Inorganic Chemistry, 2015, 60, 541-545.	1.3	7
14	SiO2 aerogels modified by perfluoro acid amides: a precisely controlled hydrophobicity. RSC Advances, 2016, 6, 80766-80772.	3.6	7
15	New aerogels chemically modified with amino complexes of bivalent copper. Russian Journal of Inorganic Chemistry, 2015, 60, 1459-1463.	1.3	4
16	Aerogels with hybrid organo-inorganic 3D network structure based on polyfluorinated diacids. Journal of Fluorine Chemistry, 2018, 207, 67-71.	1.7	4
17	Methyl trifluoropyruvate â€“ a new solvent for the production of fluorinated organic resorcinolâ€“formaldehyde aerogels. Mendeleev Communications, 2018, 28, 102-104.	1.6	4