Alexey S Vishnevskiy

List of Publications by Year
in descending order

22	209	1040056 9	1058476 14
papers	citations	h-index	g-index

22	22	22	176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Leakage currents in ferroelectric thin films. Phase Transitions, 2013, 86, 1141-1151.	1.3	31
2	Effect of Bridging and Terminal Alkyl Groups on Structural and Mechanical Properties of Porous Organosilicate Films. ECS Journal of Solid State Science and Technology, 2017, 6, N182-N188.	1.8	22
3	Effect of terminal methyl groups concentration on properties of organosilicate glass low dielectric constant films. Japanese Journal of Applied Physics, 2018, 57, 07MC01.	1.5	20
4	Cryogenic etching of porous low-k dielectrics in CF3Br and CF4 plasmas. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	1.2	19
5	Effects of Methyl Terminal and Carbon Bridging Groups Ratio on Critical Properties of Porous Organosilicate Glass Films. Materials, 2020, 13, 4484.	2.9	17
6	Effect of water content on the structural properties of porous methyl-modified silicate films. Journal of Sol-Gel Science and Technology, 2019, 92, 273-281.	2.4	15
7	Effect of terminal methyl group concentration on critical properties and plasma resistance of organosilicate low-k dielectrics. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	12
8	Simulation of Negative Differential Resistivity in Thin Ferroelectric Films. Ferroelectrics, 2014, 465, 28-35.	0.6	10
9	Effect of methyltrimethoxysilane hydrolysis and condensation conditions on the properties of thin polymethylsilsesquioxane films. Inorganic Materials, 2016, 52, 625-629.	0.8	10
10	Effect of the C-bridge on UV properties of organosilicate films. Thin Solid Films, 2019, 685, 329-334.	1.8	10
11	Effect of Lanthanum Doping on Leakage Currents of Sol-Gel PZT Thin Films. Ferroelectrics, 2014, 465, 54-59.	0.6	8
12	Formation and properties of porous films of lead zirconate titanate. Physics of the Solid State, 2015, 57, 499-502.	0.6	8
13	Effect of the Brij 30 porogen on the properties of solâ€“gel derived thin polymethylsilsesquioxane films. Inorganic Materials, 2016, 52, 968-972.	0.8	5
14	Dielectric contribution of the IR absorption bands of porous organosilicate glass thin films on a platinum sublayer. Journal Physics D: Applied Physics, 2021, 54, 215304.	2.8	5
15	Properties of Solâ€“Gel Derived Thin Organoalkylenesiloxane Films. Inorganic Materials, 2018, 54, 405-411.	0.8	4
16	Optical characteristics of LaNiO3 thin films in the terahertzâ€“infrared frequency range. Journal of Applied Physics, 2022, 131, 025305.	2.5	3
17	In-Situ Imaging of a Light-Induced Modification Process in Organo-Silica Films via Time-Domain Brillouin Scattering. Nanomaterials, 2022, 12, 1600.	4.1	3
18	Mechanical properties of nanoporous organo silicate glass films for the use in integrated circuits interconnects. AIP Conference Proceedings, 2020, , .	0.4	2

#	Article	IF	Citations
19	Effect of surface hydrophobisation on the properties of a microporous phenylene-bridged organosilicate film. Journal of Non-Crystalline Solids, 2022, 576, 121258.	3.1	2
20	Electrophysical properties of lead zirconate titanate films doped with lanthanum. Russian Microelectronics, 2014, 43, 438-444.	0.5	1
21	Low-damage plasma etching of porous low-k films in CF3Br and CF4 plasmas under low-temperature conditions. , 2016, , .		1
22	Dielectric permittivity of organosilicate glass thin films on a sapphire substrate determined using time-domain THz and Fourier IR spectroscopy. Journal Physics D: Applied Physics, 0, , .	2.8	1