

Vladimir Shayapov

List of Publications by Year in descending order

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27
papers

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citations

1307594

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all docs

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docs citations

27
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	MOCVD growth and characterization of vanadium dioxide films. <i>Journal of Materials Science</i> , 2017, 52, 4061-4069.	3.7	27
2	PECVD Synthesis of Silicon Carbonitride Layers Using Methyltris(diethylamino)silane as the New Single-Source Precursor. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, N3153-N3163.	1.8	25
3	Modeling of the Optical Properties of Black Silicon Passivated by Thin Films of Metal Oxides. <i>Journal of Contemporary Physics</i> , 2020, 55, 16-22.	0.6	16
4	Films of hydrogenated silicon oxycarbonitride. Part I. Chemical and phase composition. <i>Glass Physics and Chemistry</i> , 2014, 40, 570-577.	0.7	9
5	Mechanical properties and density of BC _x N _y films grown by low-pressure chemical vapor deposition from triethylamine borane. <i>Inorganic Materials</i> , 2011, 47, 262-266.	0.8	8
6	Structure and elemental composition of transparent nanocomposite silicon oxycarbonitride films. <i>Journal of Structural Chemistry</i> , 2017, 58, 119-125.	1.0	7
7	Synthesis and Properties of Thin Films Formed by Vapor Deposition from Tetramethylsilane in a Radio-Frequency Inductively Coupled Plasma Discharge. <i>Glass Physics and Chemistry</i> , 2018, 44, 174-182.	0.7	7
8	Tetranitratopalladate(II) Salts with Tetraalkylammonium Cations: Structural Aspects, Reactivity, and Applicability toward Palladium Deposition for Catalytic Applications. <i>Inorganic Chemistry</i> , 2021, 60, 2983-2995.	4.0	6
9	Features of determination of thickness of dielectric films obtained in searching experiments. <i>Journal of Surface Investigation</i> , 2010, 4, 452-457.	0.5	5
10	Optical and mechanical properties of films obtained by plasma decomposition of hexamethyldisilazane. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1716-1720.	0.6	4
11	Hydrogenated silicon oxycarbonitride films. Part II. Physicochemical and functional properties. <i>Glass Physics and Chemistry</i> , 2014, 40, 643-649.	0.7	4
12	Films of (Gd _{1-x} Tb _x) ₂ O ₃ Solid Solutions Produced by Oxide Sulfidation in NH ₄ SCN Vapor and Their Optical Properties. <i>Inorganic Materials</i> , 2020, 56, 836-846.	0.8	4
13	Chemical composition of an inductively coupled hexamethyldisilazane-argon plasma and properties of films grown in this plasma. <i>Inorganic Materials</i> , 2016, 52, 630-636.	0.8	3
14	Bismuth(III) Iodide Complexes with 1-Ethyl-4-Dimethylaminopyridinium: Structure, Thermal Stability, and Optical Properties. <i>Russian Journal of Inorganic Chemistry</i> , 2021, 66, 1482-1487.	1.3	3
15	Deposition of Films from a Mixture of Hexamethylcyclotrisilazane Vapor and Argon in Inductively Coupled Plasma. <i>Glass Physics and Chemistry</i> , 2019, 45, 525-531.	0.7	2
16	CHEMICAL STRUCTURE AND FUNCTIONAL PROPERTIES OF AMORPHOUS BORON CARBONITRIDE FILMS. <i>Journal of Structural Chemistry</i> , 2021, 62, 1309-1324.	1.0	2
17	SYNTHESIS OF MAGNETIC NANOCOMPOSITE FILMS Si _x C _x N _y Fe _z BY PLASMA-ENHANCED CHEMICAL DECOMPOSITION OF A GASEOUS MIXTURE OF 1,1,1,3,3,3-HEXAMETHYLDISILAZANE, FERROCENE, AND HELIUM. <i>Journal of Structural Chemistry</i> , 2020, 61, 1865-1875.	1.0	2
18	Structural defects in SiC _x N _y H _z films obtained by plasma-enhanced chemical deposition from hexamethyldisilazane vapor. <i>Journal of Structural Chemistry</i> , 2015, 56, 1070-1075.	1.0	1

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19	Chemical composition and properties of films produced from hexamethyldisilazane by plasma-enhanced chemical vapor deposition. High Energy Chemistry, 2016, 50, 213-218.	0.9	1
20	Temperature dependences of the optical properties and the phase composition of vanadium dioxide films obtained by chemical vapor deposition. Journal of Structural Chemistry, 2017, 58, 1515-1521.	1.0	1
21	Characteristics of the Phase Transition in Vanadium Dioxide Films Obtained via Chemical Vapor Deposition. Russian Journal of Physical Chemistry A, 2019, 93, 1449-1454.	0.6	1
22	Scanning probe microscopy and nanoindentation studies of silicon carbonitride films obtained by PECVD from hexamethyldisilazane. Letters on Materials, 2014, 4, 114-116.	0.7	1
23	Ð-METHOD OF EVALUATING THE ABSORPTION SPECTRUM OF WHEAT LEAF BY THE SPECTRUM OF DIFFUSE REFLECTION. Sibirskii Vestnik Sel'skokhoziaistvennoi Nauki, 2019, 48, 68-76.	0.4	1
24	Hardness and Strengthening Effect of Low-Pressure Chemical Vapor Deposition BCxNy Coatings Deposited on Ti-6Al-4V Alloy. Journal of Materials Engineering and Performance, 2022, 31, 3792-3798.	2.5	1
25	CRYSTAL TEXTURE AND MECHANICAL STRESSES IN VO2 FILMS OBTAINED BY MOCVD. Journal of Structural Chemistry, 2022, 63, 235-241.	1.0	1
26	Synthesis of Highly Transparent SiCxNyOz:H Films via Plasma-Chemical Decomposition of 1,1,3,3,5-Hexamethylcyclotrisilazane, Oxygen, and Nitrogen Gas Mixture. Russian Journal of General Chemistry, 2019, 89, 2290-2294.	0.8	0
27	Investigation of the phase composition and photoluminescence of CVD (YxGdyEuz)2O3 films on Si substrates after annealing in the air. Journal of Luminescence, 2021, 233, 117842.	3.1	0