

Alexander I Blesman

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

132
citations

1478505

6
h-index

1372567

10
g-index

34
all docs

34
docs citations

34
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Poorly crystallized hydroxyapatite and calcium silicate hydrate composites: Synthesis, characterization and soaking in simulated body fluid. <i>Materials Characterization</i> , 2020, 161, 110158.	4.4	12
2	Multicomponent semiconductors based on the system GaAs-CdSe. Receiving. Properties. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012064.	0.4	2
3	Investigation of the impact of WEDM modes on surface morphology, roughness and cracking of zirconium, niobium and vanadium. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012020.	0.4	0
4	Investigation of welding bridge occurrence and short circuit impact on wire breakages during WEDM. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012045.	0.4	0
5	Dimensionless Universal Parameters of the Kramers Problem. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012052.	0.4	7
6	Synthesis and physicochemical investigation of calcium silicate hydrate with different stoichiometric composition. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012132.	0.4	5
7	Thermal Decay of a Metastable State: the Quasistationary Rate and the Mean Lifetime. <i>Journal of Physics: Conference Series</i> , 2019, 1210, 012051.	0.4	0
8	Investigation of the impact of Rehbinder effect, electrical erosion and wire tension on wire breakages during WEDM. <i>Journal of Materials Processing Technology</i> , 2018, 256, 131-144.	6.3	22
9	Applicability of Kramers rate formulas in the energy diffusion regime. <i>Journal of Physics: Conference Series</i> , 2018, 1050, 012029.	0.4	0
10	Obtaining, bulk physical and chemical properties, certification of heterosystem InSb-ZnS solid solutions. <i>Journal of Physics: Conference Series</i> , 2018, 944, 012046.	0.4	0
11	Mass transfer of niobium and copper in binary systems obtained by magnetron sputtering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 387, 012060.	0.6	0
12	Synthesis of Calcium Phosphate and Calcium Silicate Composites. <i>Russian Journal of Inorganic Chemistry</i> , 2018, 63, 993-1000.	1.3	13
13	Research of AISI 321 steel microrelief after ultrasonic impact treatment with marker applying. <i>Journal of Physics: Conference Series</i> , 2018, 944, 012035.	0.4	3
14	Preparation and in vitro apatite-forming ability of hydroxyapatite and β -wollastonite composite materials. <i>Ceramics International</i> , 2018, 44, 17824-17834.	4.8	18
15	The Kramers problem in the energy diffusion regime: transient times. <i>Journal of Physics: Conference Series</i> , 2018, 1050, 012018.	0.4	4
16	Research of niobium thin films with a predetermined thickness produced by RF magnetron sputtering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 168, 012069.	0.6	1
17	Effect of sodium silicate on the nature of crystallization products in calcium phosphate systems. <i>Russian Journal of Inorganic Chemistry</i> , 2017, 62, 1286-1292.	1.3	1
18	Molybdenum protective coatings adhesion to steel substrate. <i>Journal of Physics: Conference Series</i> , 2017, 858, 012003.	0.4	2

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19	Peculiarities of the composition of solid phases formed in aqueous calcium-silicate systems with a medium of variable acidity. <i>Glass Physics and Chemistry</i> , 2017, 43, 452-458.	0.7	2
20	Wire electrical discharge machining of E110 zirconium alloy. <i>Journal of Physics: Conference Series</i> , 2017, 858, 012005.	0.4	6
21	Influence of microstructure and surface topography on the electrical conductivity of Cu and Ag thin films obtained by magnetron sputtering. <i>Journal of Physics: Conference Series</i> , 2017, 830, 012112.	0.4	1
22	Influence of ultrasonic impact treatment and morphology of solid lubricant particles on its attachment to surfaces with different roughness. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
23	Research of the temperature fields influence on the stress state of internal cylindrical surfaces modified by magnetron sputtering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 168, 012050.	0.6	1
24	Modeling a two-dimensional distorted stochastic harmonic oscillator. , 2017, , .		0
25	Research of metallic materials irradiation with high energy pulsed laser impact. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 110, 012007.	0.6	1
26	The model of calculation the adhesion force and energy for coatings deposited by magnetron sputtering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 110, 012009.	0.6	4
27	Diffusion Mechanisms in Binary "Steel" coating™ Systems Under Long-term High Temperature Exposures. <i>Procedia Engineering</i> , 2016, 152, 576-581.	1.2	1
28	Simulation of Internal Stresses at the Metals and Alloys Radiation with Charged Particle Beams. <i>Procedia Engineering</i> , 2016, 152, 589-593.	1.2	4
29	Opportunities of Searching New Materials of Ecological Application on the Basis of Structural Investigations of Semiconductors in the System CdTe-CdS. <i>Procedia Engineering</i> , 2016, 152, 647-654.	1.2	0
30	SPECTRAL METHOD OF CONTROL AFTER ULTRASONIC STRENGTHENING TREATMENT. PART 3. <i>Kontrol Diagnostika</i> , 2016, , 14-25.	0.1	1
31	The Influence of the High Temperature Annealing on the Small Impurities Segregation in J24056 Grain Steel. <i>Procedia Engineering</i> , 2015, 113, 413-417.	1.2	10
32	Research of the thermal-tension condition and the elemental composition gradient changes of binary systems produced by combined ion-plasma method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 81, 012031.	0.6	6
33	The combined ion-plasma method for the superficial modification of the products of constructional steel operating under the conditions of short-term extreme thermal conditions. , 2014, , .		1
34	Nanotechnology in compressor and pump engineering. <i>Chemical and Petroleum Engineering (English)</i> Tj ETQq0 0 0,rgBT /Overlock 10 T	0,8	2