Dina V Dudina

List of Publications by Year
in descending order

143 papers	2,246 citations	304602 22 h-index	315616 38 g-index
146 all docs	146 docs citations	146 times ranked	1631 citing authors

#	ARTICLE	IF	CITATIONS
1	The absence of plasma in â€œspark plasma sinteringâ€. Journal of Applied Physics, 2008, 104, .	1.1	142
2	The synthesis and consolidation of hard materials by spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2009, 27, 367-375.	1.7	107
3	Fabrication of Porous Materials by Spark Plasma Sintering: A Review. Materials, 2019, 12, 541.	1.3	81
4	Microstructure and mechanical behavior of metallic glass fiber-reinforced Al alloy matrix composites. Scientific Reports, 2016, 6, 24384.	1.6	80
5	Field-Assisted Sintering. , 2018, , .		74
6	Cu-based metallic glass particle additions to significantly improve overall compressive properties of an Al alloy. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1551-1557.	3.8	70
7	Reactive Spark Plasma Sintering: Successes and Challenges of Nanomaterial Synthesis. Journal of Nanomaterials, 2013, 2013, 1-12.	1.5	69
8	A magnesium alloy matrix composite reinforced with metallic glass. Composites Science and Technology, 2009, 69, 2734-2736.	3.8	61
9	In situ boron carbideâ€“titanium diboride composites prepared by mechanical milling and subsequent Spark Plasma Sintering. Journal of Materials Science, 2008, 43, 3569-3576.	1.7	60
10	Electric pulse consolidation: an alternative to spark plasma sintering. Journal of Materials Science, 2014, 49, 952-985.	1.7	57
11	Cold spraying of in situ produced TiB2â€“Cu nanocomposite powders. Composites Science and Technology, 2007, 67, 2292-2296.	3.8	56
12	Carbon uptake during Spark Plasma Sintering: investigation through the analysis of the carbide â€œfootprintâ€in a Niâ€“W alloy. RSC Advances, 2015, 5, 80228-80237.	1.7	42
13	Application of self-propagating high-temperature synthesis and mechanical activation for obtaining nanocomposites. Combustion, Explosion and Shock Waves, 2007, 43, 176-187.	0.3	39
14	Outside Mainstream Electronic Databases: Review of Studies Conducted in the USSR and Post-Soviet Countries on Electric Current-Assisted Consolidation of Powder Materials. Materials, 2013, 6, 4375-4440.	1.3	37
15	Detonation spraying behaviour of refractory metals: Case studies for Mo and Ta-based powders. Advanced Powder Technology, 2018, 29, 1859-1864.	2.0	35
16	Interaction of calcium phosphates with calcium oxide or calcium hydroxide during the â€œsoftâ€ mechanochemical synthesis of hydroxyapatite. Ceramics International, 2019, 45, 16927-16933.	2.3	33
17	Phase evolution during early stages of mechanical alloying of Cuâ€“13 wt.% Al powder mixtures in a high-energy ball mill. Journal of Alloys and Compounds, 2015, 629, 343-350.	2.8	32
18	Microstructure changes in TiB₂-Cu nanocomposite under sintering. Journal of Materials Science, 2004, 39, 5325-5331.	1.7	31

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19	Computer-Controlled Detonation Spraying: Flexible Control of the Coating Chemistry and Microstructure. Metals, 2019, 9, 1244.	1.0	29
20	The influence of morphology and composition of metalâ€“carbide coatings deposited on the diamond surface on the properties of copperâ€“diamond composites. Surface and Coatings Technology, 2020, 401, 126272.	2.2	28
21	Detonation spraying of titanium and formation of coatings with spraying atmosphere-dependent phase composition. Surface and Coatings Technology, 2015, 261, 174-180.	2.2	27
22	Enhancing the properties of WC/Co detonation coatings using two-component fuels. Surface and Coatings Technology, 2017, 318, 244-249.	2.2	27
23	Possibilities of the Computer-Controlled Detonation Spraying method: A chemistry viewpoint. Ceramics International, 2014, 40, 3253-3260.	2.3	26
24	Strontium and silicate co-substituted hydroxyapatite: Mechanochemical synthesis and structural characterization. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114719.	1.7	24
25	Detonation spraying of TiO2â€“2.5vol.% Ag powders in a reducing atmosphere. Journal of the European Ceramic Society, 2012, 32, 815-821.	2.8	23
26	Elimination of oxide films during Spark Plasma Sintering of metallic powders: A case study using partially oxidized nickel. Advanced Powder Technology, 2017, 28, 641-647.	2.0	23
27	Compositional variations in the coatings formed by detonation spraying of Ti3Al at different O2/C2H2 ratios. Intermetallics, 2012, 29, 140-146.	1.8	22
28	Formation of self-supporting porous graphite structures by Spark Plasma Sintering of nickelâ€“amorphous carbon mixtures. Journal of Physics and Chemistry of Solids, 2015, 76, 192-202.	1.9	22
29	Reactivity of materials towards carbon of graphite foil during Spark Plasma Sintering: A case study using Niâ€“W powders. Materials Letters, 2016, 168, 62-67.	1.3	22
30	Smaller crystallites in sintered materials? A discussion of the possible mechanisms of crystallite size refinement during pulsed electric current-assisted sintering. Materials Letters, 2015, 144, 168-172.	1.3	21
31	The influence of the formation of Fe3C on graphitization in a carbon-rich iron-amorphous carbon mixture processed by Spark Plasma Sintering and annealing. Ceramics International, 2017, 43, 11902-11906.	2.3	21
32	Interaction between Fe66Cr10Nb5B19 metallic glass and aluminum during spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140165.	2.6	21
33	The influence of the in-situ formed and added carbon on the formation of metastable Ni-based phases during detonation spraying. Materials Letters, 2016, 181, 127-131.	1.3	20
34	Melting at the inter-particle contacts during Spark Plasma Sintering: Direct microstructural evidence and relation to particle morphology. Vacuum, 2020, 181, 109566.	1.6	20
35	Detonation spraying behavior of TiCxâ€“Ti powders and the role of reactive processes in the coating formation. Ceramics International, 2016, 42, 690-696.	2.3	18
36	Structural and mechanical characterization of porous iron aluminide FeAl obtained by pressureless Spark Plasma Sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 695, 309-314.	2.6	18

#	ARTICLE	IF	CITATIONS
37	Microstructure and mechanical properties of materials obtained by spark plasma sintering of Ni3Alâ€“Ni powder mixtures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 773, 138882.	2.6	18
38	Separating the reaction and spark plasma sintering effects during the formation of TiCâ€“Cu composites from mechanically milled Tiâ€“Câ€“3Cu mixtures. Ceramics International, 2021, 47, 12494-12504.	2.3	18
39	A synthetic route for metalâ€“ceramic interpenetrating phase composites. Materials Letters, 2006, 60, 3723-3726.	1.3	17
40	Towards a better understanding of nickel/diamond interactions: the interface formation at low temperatures. RSC Advances, 2015, 5, 51799-51806.	1.7	17
41	Fast synthesis of La-substituted apatite by the dry mechanochemical method and analysis of its structure. Journal of Solid State Chemistry, 2017, 252, 93-99.	1.4	17
42	Recrystallisation-accompanied phase separation in Agâ€“Fe and Agâ€“Ni nanocomposites: a route to structure tailoring of nanoporous silver. RSC Advances, 2013, 3, 12655.	1.7	16
43	Porous electrically conductive materials produced by Spark Plasma Sintering and hot pressing of nanodiamonds. Ceramics International, 2015, 41, 12459-12463.	2.3	16
44	Effect of the Surface Modification of Synthetic Diamond with Nickel or Tungsten on the Properties of Copperâ€“Diamond Composites. Inorganic Materials, 2018, 54, 426-433.	0.2	16
45	Formation of Metallic Glass Coatings by Detonation Spraying of a Fe66Cr10Nb5B19 Powder. Metals, 2019, 9, 846.	1.0	16
46	Spark Plasma Sintering of Nanoscale (Ni+Al) Powder Mixture. Solid State Phenomena, 2007, 119, 35-38.	0.3	15
47	Ti3SiC2-Cu composites by mechanical milling and spark plasma sintering: Possible microstructure formation scenarios. Metals and Materials International, 2013, 19, 1235-1241.	1.8	15
48	Interaction of a Tiâ€“Cu Alloy with Carbon: Synthesis of Composites and Model Experiments. Materials, 2019, 12, 1482.	1.3	15
49	Formation of Aluminum Particles with Shell Morphology during Pressureless Spark Plasma Sintering of Feâ€“Al Mixtures: Current-Related or Kirkendall Effect?. Materials, 2016, 9, 375.	1.3	14
50	Structural Investigations of TiCâ€“Cu Nanocomposites Prepared by Ball Milling and Spark Plasma Sintering. Metals, 2017, 7, 123.	1.0	14
51	Formation of TiC-Cu nanocomposites by a reaction between Ti25Cu75 melt-spun alloy and carbon. Materials Letters, 2019, 235, 104-106.	1.3	14
52	Progress in aluminium and magnesium matrix composites obtained by spark plasma, microwave and induction sintering. International Materials Reviews, 2023, 68, 225-246.	9.4	14
53	Nanocomposites TiB2-Cu: Consolidation and erosion behavior. Journal of Materials Science, 2005, 40, 3491-3495.	1.7	13
54	Detonation Spraying of Tiâ€“Al Intermetallics: Phase and Microstructure Development of the Coatings. Materials and Manufacturing Processes, 2015, 30, 724-729.	2.7	13

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55	Deposition of tungsten coatings by detonation spraying. Surface and Coatings Technology, 2021, 409, 126943.	2.2	13
56	A novel approach to the synthesis of silicocarnotite. Materials Letters, 2016, 164, 255-259.	1.3	12
57	Detonation spraying of copper: theoretical analysis and experimental studies. Materials Today: Proceedings, 2017, 4, 11346-11350.	0.9	12
58	Formation of ordered nanocrystalline CeO2 structures during thermal decomposition of cerium formate Ce(HCOO)3. Ceramics International, 2019, 45, 19684-19688.	2.3	12
59	Graphitization of synthetic diamond crystals: A morphological study. Diamond and Related Materials, 2021, 118, 108563.	1.8	12
60	Microstructure and properties of Cu-10Âwt% Al bronze obtained by high-energy mechanical milling and spark plasma sintering. Materials Letters, 2022, 312, 131671.	1.3	12
61	Materials Development Using High-Energy Ball Milling: A Review Dedicated to the Memory of M.A. Korchagin. Journal of Composites Science, 2022, 6, 188.	1.4	12
62	Structure and Phase Composition of a W-Ta-Mo-Nb-V-Cr-Zr-Ti Alloy Obtained by Ball Milling and Spark Plasma Sintering. Entropy, 2020, 22, 143.	1.1	11
63	Structure and composition of Fe-Co-Ni and Fe-Co-Ni-Cu coatings obtained by detonation spraying of powder mixtures. Materials Letters, 2021, 290, 129498.	1.3	11
64	Cold and Detonation Spraying of TiB₂-Cu Nanocomposites. Materials Science Forum, 2007, 534-536, 1373-1376.	0.3	10
65	Properties of Cu-Based Nanocomposites Produced by Mechanically-Activated Self-Propagating High-Temperature Synthesis and Spark-Plasma Sintering. Journal of Nanoscience and Nanotechnology, 2010, 10, 252-257.	0.9	10
66	Preparation of porous materials by Spark Plasma Sintering: Peculiarities of alloy formation during consolidation of Fe@Pt core-shell and hollow Pt(Fe) particles. Journal of Alloys and Compounds, 2017, 707, 233-237.	2.8	10
67	Synthesis of nickel boride by thermal explosion in ball-milled powder mixtures. Journal of Materials Science, 2018, 53, 13592-13599.	1.7	10
68	The Benefit of the Glassy State of Reinforcing Particles for the Densification of Aluminum Matrix Composites. Journal of Composites Science, 2022, 6, 135.	1.4	10
69	Crystallization Kinetics of Al-Fe and Al-Fe-Y Amorphous Alloys Produced by Mechanical Milling. Journal of Nanomaterials, 2016, 2016, 1-9.	1.5	9
70	Synthesis of ZrC and HfC nanoparticles encapsulated in graphitic shells from mechanically milled Zr-C and Hf-C powder mixtures. Ceramics International, 2017, 43, 14529-14532.	2.3	9
71	Detonation Spraying of Hydroxyapatite on a Titanium Alloy Implant. Materials, 2021, 14, 4852.	1.3	9
72	Nickel-graphite composites of variable architecture by graphitization-accompanied spark plasma sintering and hot pressing and their response to phase separation. Science of Sintering, 2015, 47, 237-248.	0.5	9

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73	Solid-State Synthesis of Titanium Diboride in Copper Matrix. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 253-258.	0.1	8
74	Control of interfacial interaction during detonation spraying of Ti3SiC2-Cu composites. Inorganic Materials, 2014, 50, 35-39.	0.2	8
75	Structural characterization and magnetic properties of Al 82 Fe 16 TM 2 (TM: Ti, Ni, Cu) alloys prepared by mechanical alloying. Journal of Non-Crystalline Solids, 2017, 468, 67-73.	1.5	8
76	Analysis of the formation of FeAl with a high open porosity during electric current-assisted sintering of loosely packed Fe-Al powder mixtures. Vacuum, 2017, 146, 74-78.	1.6	8
77	Pulsed current-assisted joining of copper to graphite using Ti-Cu brazing layers. Materials Today: Proceedings, 2020, 25, 377-380.	0.9	8
78	Detonation spraying of Ti-Cu mixtures in different atmospheres: Carbon, nitrogen and oxygen uptake by the powders. Surfaces and Interfaces, 2020, 21, 100676.	1.5	8
79	Microstructure and Mechanical Properties of Composites Obtained by Spark Plasma Sintering of Alâ€“Fe66Cr10Nb5B19 Metallic Glass Powder Mixtures. Metals, 2021, 11, 1457.	1.0	8
80	Manufacturing of TiC-Cu composites by mechanical milling and spark plasma sintering using different carbon sources. Surfaces and Interfaces, 2021, 27, 101445.	1.5	8
81	Coreâ€“Shell Particle Reinforcementsâ€"A New Trend in the Design and Development of Metal Matrix Composites. Materials, 2022, 15, 2629.	1.3	8
82	A Feasibility Study of High-Entropy Alloy Coating Deposition by Detonation Spraying Combined with Laser Melting. Materials, 2022, 15, 4532.	1.3	8
83	Properties of Dispersion Strengthened Cu-TiB₂ Nanocomposites Prepared by Spark Plasma Sintering. Solid State Phenomena, 2007, 119, 63-66.	0.3	7
84	Multiwalled carbon nanotube forests grown on the surface of synthetic diamond crystals. Ceramics International, 2017, 43, 10606-10609.	2.3	7
85	Application of a spark plasma sintering facility for the heat treatment of compact and powder materials. Inorganic Materials, 2017, 53, 658-663.	0.2	7
86	Phase formation during high-energy ball milling of the 33Al-45Cu-22Fe (at.%) powder mixture. Journal of Alloys and Compounds, 2018, 736, 289-296.	2.8	7
87	Structural and morphological transformations in cobalt-carbon mixtures during ball milling, annealing and Spark Plasma Sintering. Vacuum, 2018, 157, 210-215.	1.6	7
88	Detonation Spraying of Cr3C2-NiCr Coatings and Their Properties. Journal of Thermal Spray Technology, 2022, 31, 598-608.	1.6	7
89	Formation of intermetallic phases during mechanical alloying and annealing of Cr + 20 wt % al mixtures. Inorganic Materials, 2008, 44, 587-591.	0.2	6
90	Structural and Phase Transformations in Alloys during Spark Plasma Sintering of Ti + 23.5 at % Al + 21 at % Nb Powder Mixtures. Inorganic Materials, 2018, 54, 37-41.	0.2	6

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91	Elimination of Composition Segregation in 33Alâ€“45Cuâ€“22Fe (at.%) Powder by Two-Stage High-Energy Mechanical Alloying. Materials, 2022, 15, 2087.	1.3	6
92	Microstructure of Cu-TiB₂ Nanocomposite during Spark Plasma Sintering. Materials Science Forum, 2004, 449-452, 1113-1116.	0.3	5
93	Mechanochemical Synthesis of SiO₄^{4â€“}â€Substituted Hydroxyapatite, Part III â€“ Thermal Stability. European Journal of Inorganic Chemistry, 2016, 2016, 1866-1874.	1.0	5
94	Combustion characteristics and structure of carbon nanotube/titanium composites. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1903-1910.	2.0	5
95	Processing of Fe-Based Alloys by Detonation Spraying and Spark Plasma Sintering. Journal of Thermal Spray Technology, 2021, 30, 1692-1702.	1.6	5
96	Structural Features and Corrosion Resistance of Fe66Cr10Nb5B19 Metallic Glass Coatings Obtained by Detonation Spraying. Journal of Materials Engineering and Performance, 2022, 31, 622-630.	1.2	5
97	Spark plasma sintering treatment of cold sprayed materials for synthesis and structural modification: A case study using TiC-Cu composites. Materials Letters: X, 2022, 14, 100140.	0.3	5
98	Shock compression of Tiâ€“Bâ€“Cu powder mixtures: Microstructural aspects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 503, 41-44.	2.6	4
99	Glass formation in the Nbâ€“Si binary system. Journal of Alloys and Compounds, 2010, 504, S14-S17.	2.8	4
100	Crystallization of Ti33Cu67 metallic glass under high-current density electrical pulses. Nanoscale Research Letters, 2011, 6, 512.	3.1	4
101	Crystallization of Fe83B17 amorphous alloy by electric pulses produced by a capacitor discharge. Applied Physics A: Materials Science and Processing, 2015, 120, 1565-1572.	1.1	4
102	Sintering by Low-Voltage Electric Pulses (Including Spark Plasma Sintering (SPS)). , 2018, , 89-191.		4
103	FeCoNiCu Alloys Obtained by Detonation Spraying and Spark Plasma Sintering of High-Energy Ball-Milled Powders. Journal of Thermal Spray Technology, 2022, 31, 1067-1075.	1.6	4
104	Formation Routes of Nanocomposite Coatings in Detonation Spraying of Ti3SiC2-Cu Powders. Journal of Thermal Spray Technology, 2014, 23, 1116-1123.	1.6	3
105	Network distribution of reinforcements in composites produced by sintering: microstructure formation and influence on consolidation behavior and properties. Journal of the Ceramic Society of Japan, 2016, 124, 289-295.	0.5	3
106	Mechanical Characterization of Composite Coatings Formed by Reactive Detonation Spraying of Titanium. Metals, 2017, 7, 355.	1.0	3
107	Electric Current-Assisted Joining of Copper Plates Using Silver Formed by In-Situ Decomposition of Ag2C2O4. Metals, 2018, 8, 538.	1.0	3
108	Combustion of Titaniumâ€“Carbon Black High-Energy Ball-Milled Mixtures in Nitrogen: Formation of Titanium Carbonitrides at Atmospheric Pressure. Materials, 2020, 13, 1810.	1.3	3

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109	Metalâ€“Nanocarbon Composite Coatings Produced by Detonation Spraying with In Situ Carbon Generation. Journal of Thermal Spray Technology, 2021, 30, 1837-1849.	1.6	3
110	Synthesis of Ceramic Reinforcements in Metallic Matrices during Spark Plasma Sintering: Consideration of Reactant/Matrix Mutual Chemistry. Ceramics, 2021, 4, 592-599.	1.0	3
111	Electric current-assisted joining of similar/dissimilar materials. , 2022, , 151-176.		3
112	Fe-Ag pseudo-alloys obtained by wire electric explosion, ball milling and spark plasma sintering. Materials Letters, 2022, 323, 132536.	1.3	3
113	Preparation and electrical erosion resistance of TiB2/Cu nanocomposites. Inorganic Materials, 2006, 42, 739-743.	0.2	2
114	Surface modification of synthetic diamond with tungsten. , 2016, , .		2
115	Fast synthesis and consolidation of porous FeAl by pressureless Spark Plasma Sintering. IOP Conference Series: Materials Science and Engineering, 2017, 218, 012003.	0.3	2
116	Morphological features of W- and Ni-containing coatings on diamond crystals and properties of diamond-copper composites obtained by Spark Plasma Sintering. Materials Today: Proceedings, 2017, 4, 11396-11401.	0.9	2
117	Spark Plasma Sintering of Diamond- and Nanodiamond-Metal Composites. , 2019, , 441-457.		2
118	Selective deposition of platinum hemispheres on the {100} facets of synthetic diamond. Diamond and Related Materials, 2020, 101, 107620.	1.8	2
119	Structural transformations of a gas-atomized Al62.5Cu25Fe12.5 alloy during detonation spraying, spark plasma sintering and hot pressing. Science of Sintering, 2021, 53, 379-386.	0.5	2
120	4 Microstructure formation of particle-reinforced metal matrix composite coatings produced by thermal spraying. , 2014, , 103-122.		2
121	Preparation of nanoporous gold particles on diamond facets via galvanic replacement and dealloying. Diamond and Related Materials, 2022, 123, 108860.	1.8	2
122	Morphological and Structural Transformations of Fe-Pd Powder Alloys Formed by Galvanic Replacement, Annealing and Acid Treatment. Materials, 2022, 15, 3571.	1.3	2
123	Nanoscale TiB/sub 2/-dispersed Cu-matrix composite produced by a high-energy milling and self-propagating high-temperature synthesis process. , 0, , .		1
124	Production of Dispersion-Strengthened Cu-TiB₂ Alloys by Ball-Milling and Spark-Plasma Sintering. Materials Science Forum, 2007, 534-536, 1489-1492.	0.3	1
125	In situ formation of metal-ceramic composite coatings by detonation spraying of titanium. , 2014, , .		1
126	Inter-particle interactions in partially densified compacts of electrically conductive materials during spark plasma sintering. , 2016, , .		1

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127	Characterization of Sr-substituted hydroxyapatite synthesized by the mechanochemical method. Materials Today: Proceedings, 2019, 12, 57-60.	0.9	1
128	Synthesis of Nano-Sized TiB2 and TiC Particles During Spark Plasma Sintering of Ball-Milled Ti-Cu Alloy + B(C) and Ti+Cu+B mixtures. IOP Conference Series: Materials Science and Engineering, 2019, 678, 012012.	0.3	1
129	Spark Plasma Sintering of Nanoscale (Ni+Al) Powder Mixture. Solid State Phenomena, 0, , 35-38.	0.3	1
130	Properties of Dispersion Strengthened Cu-TiB₂ Nanocomposites Prepared by Spark Plasma Sintering. Solid State Phenomena, 0, , 63-66.	0.3	1
131	TiB₂-Cu Interpenetrating Phase Composites Produced by Spark-plasma Sintering. Journal of Korean Powder Metallurgy Institute, 2003, 10, 168-171.	0.2	1
132	On the choice of structure materials for high-temperature galvanic cells. , 0, , .		0
133	Electric Erosion Behavior of Nanocomposites. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 727-0.	0.1	0
134	Shock-Wave Synthesis of Titanium Diboride in Copper Matrix and Compaction of TiB₂-Cu Nanocomposites. Materials Science Forum, 2007, 534-536, 921-924.	0.3	0
135	Thermal Stability and Properties of Cu-TiB₂ Nanocomposites Prepared by Combustion Synthesis and Spark-Plasma Sintering. Materials Science Forum, 2007, 534-536, 1517-1520.	0.3	0
136	Structural and mechanical characterization of detonation coatings formed by reaction products of titanium with components of the spraying atmosphere. AIP Conference Proceedings, 2016, , .	0.3	0
137	Structure and mechanical properties of coatings formed by detonation spraying of titanium powder. AIP Conference Proceedings, 2017, , .	0.3	0
138	Structure and Properties of Coatings Formed by Detonation Spraying of Titanium Powder. IOP Conference Series: Materials Science and Engineering, 2017, 286, 012025.	0.3	0
139	Field Effects on Reacting Systems. , 2018, , 315-400.		0
140	Sintering by High-Voltage Electric Pulses. , 2018, , 37-87.		0
141	Fracture analysis in the area of contact stresses using the FEM and the gradient criteria of the limiting state. Materials Today: Proceedings, 2019, 16, 130-136.	0.9	0
142	SPARK PLASMA SINTERING OF Cu-TiB2 NANOCOMPOSITE. , 2005, , 293-296.		0
143	Spark Plasma Sintering of the mixtures of metallic powders and metal matrix composites: peculiarities of the structure formation and properties of the sintered materials. Metal Working and Material Science, 2017, , 45-54.	0.0	0