Dmitrii Andreev

List of Publications by Year
in descending order

57	251	1040056 9	1125743 13
papers	citations	h-index	g-index

57	57	57	129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SHS metallurgy of high-entropy transition metal alloys. Doklady Physical Chemistry, 2016, 470, 145-149.	0.9	20
2	Cast NiAl/Ni20Al3B6 composites by centrifugal SHS. International Journal of Self-Propagating High-Temperature Synthesis, 2014, 23, 232-239.	0.5	18
3	Multicomponent metal catalysts for deep oxidation of carbon monoxide and hydrocarbons. Doklady Physical Chemistry, 2008, 419, 77-79.	0.9	15
4	Centrifugal SHS metallurgy of nickel aluminide-based eutectic alloys. Russian Journal of Non-Ferrous Metals, 2014, 55, 613-619.	0.6	14
5	NiAl-based electrodes by combined use of centrifugal SHS and induction remelting. International Journal of Self-Propagating High-Temperature Synthesis, 2016, 25, 186-199.	0.5	14
6	Reactive Niâ€“Al-Based Materials: Strength and Combustion Behavior. Metals, 2021, 11, 949.	2.3	14
7	Polymetallic catalysts for the Fischerâ€“Tropsch synthesis and hydrodesulfurization prepared using self-propagating high-temperature synthesis. Kinetics and Catalysis, 2015, 56, 681-688.	1.0	12
8	Cast alloy production on the basis of titanium aluminide with centrifugal SHS method. Inorganic Materials, 2009, 45, 867-872.	0.8	10
9	Self-propagating high-temperature synthesis metallurgy of pipes with wear-resistant protective coating with the use of industrial wastes of metallurgy production. Russian Journal of Non-Ferrous Metals, 2013, 54, 274-279.	0.6	10
10	A new class of polymetallic catalysts based on SHS-intermetallic compounds for the synthesis of hydrocarbons from CO and H2. Doklady Physical Chemistry, 2013, 451, 167-171.	0.9	10
11	Mill scale recycling by SHS metallurgy for production of cast ferrosilicon and ferrosilicoaluminium. IOP Conference Series: Materials Science and Engineering, 2019, 558, 012041.	0.6	9
12	Regular features of combustion of CaO2/Al/Ti/Cr/B hybrid mixtures. Combustion, Explosion and Shock Waves, 2011, 47, 671-676.	0.8	8
13	Self-propagating high-temperature synthesis of niobium silicide-based composite materials. Inorganic Materials, 2015, 51, 1251-1257.	0.8	7
14	Centrifugal Metallothermic SHS of Cast Coâ€“Crâ€“Feâ€“Niâ€“Mnâ€“(Đ¥) Alloys. Russian Journal of Non-Ferrous Metals, 2020, 61, 436-445.	0.6	7
15	Production of intermetallic catalysts of deep CO and hydrocarbon oxidation. Inorganic Materials, 2009, 45, 777-784.	0.8	6
16	Protective Mo2NiB2â€“Ni coatings by centrifugal metallothermic SHS. International Journal of Self-Propagating High-Temperature Synthesis, 2015, 24, 161-170.	0.5	6
17	Production of Al-Co-Ni Ternary Alloys by the SHS Method for Use in Nickel Based Superalloys Manufacturing. High Temperature Materials and Processes, 2015, 34, .	1.4	6
18	Fabrication of cast electrodes from nanomodified nickel aluminide-based high-boron alloy to fabricate spherical powders using the plasma rotating electrode process. Russian Journal of Non-Ferrous Metals, 2015, 56, 505-515.	0.6	6

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19	Centrifugal SHS-Metallurgy of Composite Materials Moâ€“Siâ€“B. Russian Journal of Physical Chemistry B, 2020, 14, 261-265.	1.3	6
20	Production of Mo2NiB2 Based Hard Alloys by Self-Propagating High-Temperature Synthesis. High Temperature Materials and Processes, 2019, 38, 683-691.	1.4	5
21	Features of formation and the structure, composition, and properties of electrospark coatings on the ZhS6U nickel alloy with the use of the KhTN-61 SHS-Ts alloy. Russian Journal of Non-Ferrous Metals, 2009, 50, 534-539.	0.6	4
22	SHS-produced intermetallides as catalysts for deep oxidation of carbon monoxide and hydrocarbons. International Journal of Self-Propagating High-Temperature Synthesis, 2010, 19, 65-69.	0.5	4
23	Iron-based polymetallic catalysts with a nanostructured surface for deep oxidation processes. Nanotechnologies in Russia, 2015, 10, 841-849.	0.7	4
24	Centrifugal SHS of cast Tiâ€“Alâ€“Nbâ€“Cr alloys. International Journal of Self-Propagating High-Temperature Synthesis, 2015, 24, 177-181.	0.5	4
25	Cermet-lined tubes from industrial wastes by centrifugal SHS. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 27-32.	0.5	3
26	Chemical transformations of multicomponent thermite-type mixtures in combustion waves. Doklady Physical Chemistry, 2015, 460, 6-9.	0.9	3
27	Deep oxidation catalysts based on SHS-produced complex intermetallics. International Journal of Self-Propagating High-Temperature Synthesis, 2017, 26, 124-128.	0.5	3
28	Combustion of a high-calorific thermite mixture on the surface of a titanium substrate. Combustion, Explosion and Shock Waves, 2017, 53, 574-579.	0.8	3
29	Autowave Synthesis of TiAl-Based Cast Composite Materials from Thermite-Type Mixtures. Inorganic Materials, 2019, 55, 417-422.	0.8	2
30	Mo-Based Composites Reinforced with Nb, Si, and B by Metallothermic SHS under Artificial Gravity. International Journal of Self-Propagating High-Temperature Synthesis, 2019, 28, 274-275.	0.5	2
31	Combustion of Titanium Oxide Based Thermite Systems with a Complex Reducing Agent and an Energy Additive under the Influence of Overload. Combustion, Explosion and Shock Waves, 2019, 55, 671-677.	0.8	2
32	Tailoring the Composition and Structure of Nb-, Si-, and B-Doped Mo-Based Composite Materials in the Self-Propagating High-Temperature Synthesis Metallurgy Process. Inorganic Materials, 2020, 56, 1265-1270.	0.8	2
33	Magnetic-Field-Assisted Preparation of Ferromagnetic Niâ€“Coâ€“Mn Catalyst for Deep Oxidation/Hydrogenation from a Mixture of SHS-Produced Intermetallics. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 106-110.	0.5	2
34	Moâ€“Nbâ€“Siâ€“B Alloy: Synthesis, Composition, and Structure. Metals, 2021, 11, 803.	2.3	2
35	Centrifugal SHS-metallurgy of nitrogen steels. Letters on Materials, 2018, 8, 499-503.	0.7	2
36	Reactive sintering of Ti-Al and Ti-Al-Nb consolidated elemental blocks for use as consumable electrodes in vacuum arc melting. International Journal of Self-Propagating High-Temperature Synthesis, 2008, 17, 136-143.	0.5	1

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37	Autowave chemical transformations of highly exothermic mixtures based on niobium oxide with aluminum. Combustion, Explosion and Shock Waves, 2017, 53, 580-584.	0.8	1
38	SHS Metallurgy of Composite Materials Based on the Nbâ€“Si System. Russian Journal of Non-Ferrous Metals, 2018, 59, 42-49.	0.6	1
39	Gravity-Assisted Metallothermic SHS of Titanium Aluminide with Alâ€“Ca Mixture as a Reducing Agent. International Journal of Self-Propagating High-Temperature Synthesis, 2018, 27, 89-91.	0.5	1
40	Synthesis and investigation of highly dispersed active phases of intermetallic and supported SHS-catalysts. IOP Conference Series: Materials Science and Engineering, 2019, 558, 012007.	0.6	1
41	SHS of Co and Coâ€“V Catalysts for Deep Oxidation/Hydrogenation Processes. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 231-235.	0.5	1
42	In-situ formation of cast granules in thermit-type SHS reactions. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 15-19.	0.5	0
43	Energy stimulation of autowave synthesis of hafnium aluminides. Russian Journal of Physical Chemistry B, 2017, 11, 815-819.	1.3	0
44	Metallothermic SHS in Conditions of Artificial Gravity: Mathematical Modeling. International Journal of Self-Propagating High-Temperature Synthesis, 2019, 28, 217-220.	0.5	0
45	Comparative Investigation of the Structure, Phase Composition, and Mechanical Properties of Ni-Based High-Temperature Alloys Manufactured by Different Methods. Inorganic Materials: Applied Research, 2020, 11, 713-720.	0.5	0
46	SHS Introduction of Nitrogen in the Composition of Alloy Steel under Gas Pressure. Russian Metallurgy (Metally), 2020, 2020, 1027-1031.	0.5	0
47	Dispersion Strengthened Mo-Based Cast Composite by Centrifugal SHS. International Journal of Self-Propagating High-Temperature Synthesis, 2020, 29, 49-51.	0.5	0
48	Co-Based Superalloys by Metallothermic SHS: Influence of Graphite Addition. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 125-126.	0.5	0
49	General Aspects of the Combustion Synthesis of a Cobalt Alloy with Dispersion and Precipitation Modification. Inorganic Materials, 2021, 57, 727-732.	0.8	0
50	Cast MoSiBTiC Composites by Metallothermic SHS: Influence of Ti and C Dopants. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 153-158.	0.5	0
51	SHS-Produced Polymetallic Coâ€“Cuâ€“La Catalysts for Deep Oxidation/Hydrogenation Processes. International Journal of Self-Propagating High-Temperature Synthesis, 2020, 29, 240-242.	0.5	0
52	Co-Based Composite by Centrifugal SHS: Impact of Alloying Agents. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 271-272.	0.5	0
53	Centrifugal SHS Surfacing of Titanium Substrate with MoSiB. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 269-270.	0.5	0
54	Effect of Carbon Content on the Combustion and Chemical Conversion of Thermite Mixtures Based on Co₃O₄/Cr₂O₃/Nb₂ with Al. Fizika Goreniya I Vzryva, 2022, 58, 70-75.	0.6	0

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55	Influence of Magnetic Fields Assisted for Preparation of Ferromagnetic Mono- and Bi-Metallic Co and Coâ€“V SHS Catalysts on Their Activity in Deep Oxidation and Hydrogenation of CO2. Metals, 2022, 12, 166.	2.3	0
56	Effect of Carbon Content on the Combustion and Chemical Transformation of Thermite Mixtures Based on Co3O4/Cr2O3/Nb2O5Âwith Al. Combustion, Explosion and Shock Waves, 2022, 58, 62-67.	0.8	0
57	Centrifugal SHS Metallurgy of Cast Co-Cr-Fe-Ni-Mn High-Entropy Alloys Strengthened by Precipitates Based on Mo and Nb Borides and Silicides. Physical Mesomechanics, 2021, 24, 692-700.	1.9	0