Olga Boyarchenko

List of Publications by Year
in descending order

29	148	1307594 7	1281871 11
papers	citations	h-index	g-index

29	29	29	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactivity of mechanically activated powder blends: Role of micro and nano structures. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 210-216.	0.5	31
2	Thermal explosion in various Ni-Al Systems: Effect of mechanical activation. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 60-64.	0.5	26
3	Synthesis of Ti-Al-based materials by thermal explosion. International Journal of Self-Propagating High-Temperature Synthesis, 2010, 19, 285-291.	0.5	10
4	SHS joining in the Ti-Si-C system: Structure of transition layer. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 46-51.	0.5	10
5	SHS welding by thermal explosion: Ti-Ti and Ti-NiAl joints. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 99-102.	0.5	8
6	Combustion of layered SHS systems: Thermal conditions at the interface. International Journal of Self-Propagating High-Temperature Synthesis, 2015, 24, 115-118.	0.5	7
7	SHS joining by thermal explosion in (Ni + Al)/Nb/(Ni + Al + Nb) sandwiches: Microstructure of transition zone. International Journal of Self-Propagating High-Temperature Synthesis, 2017, 26, 49-53.	0.5	7
8	SHS joining of intermetallics with metallic substrates. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 185-190.	0.5	5
9	NiAl intermetallics dispersion-strengthened with silica, alumina, and mullite: Synthesis and characterization. International Journal of Self-Propagating High-Temperature Synthesis, 2014, 23, 83-88.	0.5	5
10	Structure and properties of a composite material obtained by thermal explosion in a mixture of Ni + Al + Cr2O3. Combustion, Explosion and Shock Waves, 2017, 53, 41-48.	0.8	5
11	Ni3Đ‰/C Composites by Thermal Explosion. International Journal of Self-Propagating High-Temperature Synthesis, 2018, 27, 64-65.	0.5	5
12	Self-Propagating High-Temperature Synthesis in the Tiâ€“Alâ€“Si System. Inorganic Materials, 2021, 57, 1201-1207.	0.8	4
13	SHS of graded Ti-Al-C ceramics: Composition of transition layers. International Journal of Self-Propagating High-Temperature Synthesis, 2012, 21, 231-235.	0.5	3
14	Deposition of Ni-Al coatings onto copper by mechanical/heat treatment. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 103-109.	0.5	3
15	SHS-based fabrication of inorganic materials with desired structure and porosity. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 20-26.	0.5	2
16	Peculiar features of interaction of intermetallic compounds based on Ti-Al, Ni-Al with Ti and Ni metallic substrates in the mode of self-propagating high-temperature synthesis. Inorganic Materials: Applied Research, 2012, 3, 376-380.	0.5	2
17	Production, electrical conductivity, and gas-sensing properties of thin nickel ferrite films. Doklady Physical Chemistry, 2012, 444, 83-87.	0.9	2
18	Load-assisted SHS joining of NiAl to Ni. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 52-55.	0.5	2

#	Article	IF	Citations
19	Formation of the structure and phase composition of the Tiâ€“Alâ€“Ta-based materials. Russian Journal of Non-Ferrous Metals, 2016, 57, 489-496.	0.6	2
20	Burning Velocity of Double-Layer Ti + 2B Strips: Influence of Clearance Space. International Journal of Self-Propagating High-Temperature Synthesis, 2018, 27, 103-106.	0.5	2
21	Preparation of Dense TiB2 by Forced Self-Propagating High-Temperature Synthesis Compaction with Mechanical Activation of Reagents. Inorganic Materials, 2021, 57, 1061-1066.	0.8	2
22	High-Temperature Synthesis of Crâ€“Moâ€“Alâ€“C Materials. Inorganic Materials, 2021, 57, 1300-1306.	0.8	2
23	High-Temperature Interaction of Carbon Fibers with a Nickel Melt. Russian Journal of Physical Chemistry B, 2022, 16, 167-174.	1.3	2
24	SHS in Ternary Niâ€“Alâ€“Ti System. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 94-99.	0.5	1
25	SHS in microgravity: Analysis of combustion products formed in the Ti-Al-C system. International Journal of Self-Propagating High-Temperature Synthesis, 2012, 21, 224-230.	0.5	0
26	FEATURES OF STRUCTURE FORMATION IN NI-C, AL-C AND NI-AL-C SYSTEMS UNDER HIGH-TEMPERATURE HEATING. Materialovedenie, 2021, 21, 3-8.	0.1	0
27	Interaction of Carbon Fiber with a Tiâ€“Al Melt during Self-Propagating High-Temperature Synthesis. Inorganic Materials, 2021, 57, 683-686.	0.8	0
28	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
29	Peculiarities of Structure Formation in Niâ€“C, Alâ€“C, and Niâ€“Alâ€“C Systems at High-Temperature Heating. Inorganic Materials: Applied Research, 2022, 13, 1-6.	0.5	0