

Alexander Sytschev

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Publications

PUBLICATION METRICS

For manuscripts published from date range January 1987 - January 2023

12

H-index

554

Sum of Times Cited

120

Publications

120

Publications in Web of Science

For all time

12

H-index

559

Sum of Times Cited

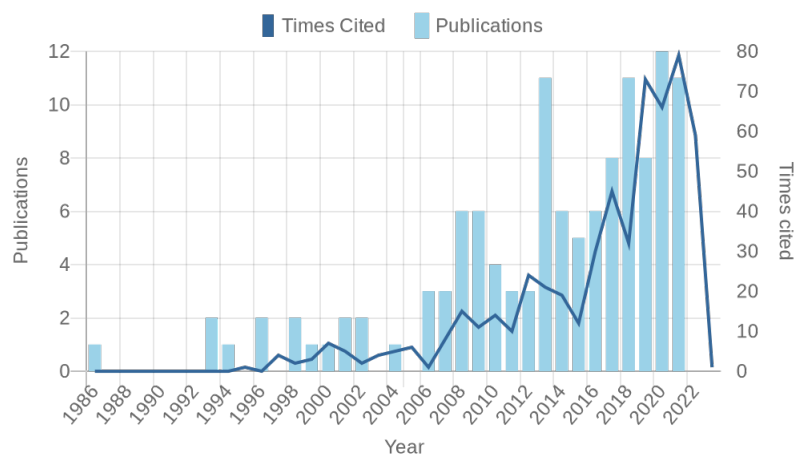
121

Publications

121

Publications in Web of Science

PUBLICATION IMPACT OVER TIME



PUBLISHING SUMMARY

For manuscripts published from date range January 1987 - January 2023

(40) International Journal of Self-Propagating Hig...	(10) Combustion, Explosion, and Shock Waves
(9) Inorganic Materials	(7) Russian Journal of Non-Ferrous Metals
(4) Eurasian Chemico-Technological Journal	(4) Physics of Metals and Metallography
(3) Journal of Physics: Conference Series	(2) Kovove Materialy
(2) Microgravity Science and Technology	(2) Doklady Akademii Nauk
(2) Letters on Materials-pis Ma O Materialakh	(2) Materials Chemistry and Physics
(1) Journal of Catalysis	(1) Combustion and Flame
(1) Intermetallics	(1) Key Engineering Materials
(1) Cosmic Research (English Translation of Kosi...	(1) Doklady Physical Chemistry
(1) Journal of Inorganic Materials	(1) Nanotechnologies in Russia
(1) Mendeleev Communications	(1) Results in Physics
(1) Advances in Space Research	(1) Journal of Materials Processing Technology
(1) Combustion Science and Technology	(1) Bulletin of Experimental Biology and Medicine
(1) The International Journal of Artificial Organs	(1) Advanced Engineering Materials
(1) High Temperature	(1) Russian Metallurgy (Metally)
(1) IOP Conference Series: Materials Science and ...	(1) Metal Science and Heat Treatment
(1) Powder Metallurgy and Metal Ceramics	(1) AIChE Journal
(1) Uspekhi Khimii	(1) Processing By Centrifugation
(1) Refractories and Industrial Ceramics	(1) Industrial & Engineering Chemistry Research
(1) Technical Physics Letters	(1) Journal of Friction and Wear
(1) Glass and Ceramics (English Translation of St...	(1) Russian Journal of Physical Chemistry B

(1) Journal of Alloys and Compounds

(1) Inorganic Materials: Applied Research

(1) Concise Encyclopedia of Self-propagating Hig...

MANUSCRIPTS PUBLISHED (120)

From date range January 1987 - January 2023

**TIMES CITED
(ALL TIME)**

Self-Propagating High-Temperature Synthesis in the Ti-Al-Si System

1

Authors (4): Lazarev, P. A.; Sytschev, A. E. ... Aborkin, A., V
Published: Nov 2021 in Inorganic Materials
DOI: 10.1134/S002016852111008X
Web of Science accession number: WOS:000723998800015

Effect of Carbon on the Electrical Resistivity of Ni-Al Intermetallic Alloy Synthesized by an Electrothermal Explosion under Pressure

0

Authors (3): Sytschev, A. E.; Karpov, A., V; Shcherbakov, A., V
Published: Sep 2021 in Inorganic Materials: Applied Research
DOI: 10.1134/S2075113321050403
Web of Science accession number: WOS:000707035200025

Thermal expansion of aluminum matrix composites reinforced by carbon nanotubes with in-situ and ex-situ designed interfaces ceramics layers

9

Authors (8): Aborkin, A. V.; Elkin, A. I. ... Alymov, M. I.
Published: Aug 2021 in Journal of Alloys and Compounds
DOI: 10.1016/J.JALLCOM.2021.159593
Web of Science accession number: WOS:000652810800001

Interaction of Carbon Fiber with a Ti-Al Melt during Self-Propagating High-Temperature Synthesis

0

Authors (4): Sytschev, A. E.; Vadchenko, S. G. ... Boyarchenko, O. D.
Published: Jul 2021 in Inorganic Materials
DOI: 10.1134/S0020168521070153
Web of Science accession number: WOS:000674635000005

Synthesis of the Ni-Al-C Composite with Multilayer Carbon Nanostructures by an Electrothermal Explosion under Pressure

0

Authors (2): Shcherbakov, A. V.; Sychev, A. E.
Published: Mar 2021 in Combustion, Explosion, and Shock Waves
DOI: 10.1134/S0010508221020088
Web of Science accession number: WOS:000640790300008

Synthesis and Properties of the Composite Material Based on a (V,Cr)AlC Solid Solution

1

Authors (6): Sychev, A. E.; Gorshkov, V. A. ... Belikova, A. F.
Published: Mar 2021 in Physics of Metals and Metallography
DOI: 10.1134/S0031918X21030145
Web of Science accession number: WOS:000646949300010

Preparation of an Al-Ti-Mg Composite by Self-Propagating High-Temperature Synthesis	2
Authors (4): Lazarev, P. A.; Sychev, A. E. ... Sachkova, N., V Published: Mar 2021 in Inorganic Materials DOI: 10.1134/S0020168521030079 Web of Science accession number: WOS:000636600700015	
Effects of magnesium on initial temperature and mechanical activation on combustion synthesis in Ti-Al-Mg system	13
Authors (2): Kochetov, N. A.; Sytshev, A. E. Published: Jan 2021 in Materials Chemistry and Physics DOI: 10.1016/J.MATCHEMPHYS.2020.123727 Web of Science accession number: WOS:000583335900029	
Lightweight Al-Ti-Mg Alloy by SHS Method	0
Authors (4): Lazarev, P. A.; Sytshev, A. E. ... Kovalev, I. D. Published: Jan 2021 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386221010064 Web of Science accession number: WOS:000639840500011	
Self-Propagating High-Temperature Synthesis of Mechanically Activated Mixtures in Co-Ti-Al	0
Authors (6): Vadchenko, S. G.; Busurina, M. L. ... Sychev, A. E. Published: Jan 2021 in Combustion, Explosion, and Shock Waves DOI: 10.1134/S0010508221010068 Web of Science accession number: WOS:000618242800006	
Synthesis of an Intermetallic Alloy Based on 2Cu-Ti-Al: Structure Analysis and Electrophysical Properties	0
Authors (5): Busurina, M. L.; Sytshev, A. E. ... Kovalev, I. D. Published: Jan 2021 in Russian Journal of Non-Ferrous Metals DOI: 10.3103/S1067821221010053 Web of Science accession number: WOS:000625939600009	
Peculiarities of the Structure and Phase Formation of the Fe ₂ TiAl Heusler Alloy during Self-Propagating High-Temperature Synthesis (SHS)	0
Authors (5): Busurina, M. L.; Sytshev, A. E. ... Kovalev, I. D. Published: Nov 2020 in Russian Journal of Physical Chemistry B DOI: 10.1134/S1990793120060020 Web of Science accession number: WOS:000610900300018	
Effect of SiO ₂ Content and Mechanical Activation on Ni-Al-SiO ₂ Combustion	2
Authors (2): Kochetov, N. A.; Sychev, A. E. Published: Sep 2020 in Combustion, Explosion, and Shock Waves DOI: 10.1134/S0010508220050020 Web of Science accession number: WOS:000588714400002	
Synthesis, Structure and Properties of Material Based on V ₂ AlC MAX Phase	7
Authors (4): Gorshkov, V. A.; Karpov, A., V ... Sychev, A. E. Published: Aug 2020 in Physics of Metals and Metallography DOI: 10.1134/S0031918X20080037 Web of Science accession number: WOS:000576572600006	

Self-Propagating High-Temperature Synthesis of TiC plus xC Composites 1

Authors (5): Shcherbakov, V. A.; Gryadunov, A. N. ... Sychev, A. E.

Published: Jun 2020 in Inorganic Materials

DOI: 10.1134/S0020168520060102

Web of Science accession number: WOS:000543128000003

Thermal Explosion in a 2Co-Ti-Al System: Combustion, Phase Formation, and Properties 0

Authors (5): Busurina, M. L.; Sychev, A. E. ... Sachkova, N., V

Published: Jun 2020 in Combustion, Explosion, and Shock Waves

DOI: 10.1134/S0010508220030089

Web of Science accession number: WOS:000552068900008

Wear under Conditions of Dry Friction of a Composite Material Based on an Aluminum Alloy Reinforced with Nanocrystalline Graphite 2

Authors (4): Aborkin, A. V.; Elkin, A. I. ... Alymov, M. I.

Published: May 2020 in Journal of Friction and Wear

DOI: 10.3103/S1068366620030022

Web of Science accession number: WOS:000543202600008

Composition and Crystalline Structure of Ternary Phases in the Ta-Ni-Al System 1

Authors (4): Shchukin, A. S.; Konovalikhin, S. V. ... Sytschev, A. E.

Published: May 2020 in Russian Journal of Non-Ferrous Metals

DOI: 10.3103/S1067821220030141

Web of Science accession number: WOS:000545674700009

The Use of Gas Extrusion for the Synthesis of a High-Strength Composite Based on a 5xxx Series Aluminum Alloy Strengthened with Carbon Nanostructures 2

Authors (6): Aborkin, A. V.; Saikov, I. V. ... Alymov, M. I.

Published: Apr 2020 in Technical Physics Letters

DOI: 10.1134/S1063785020030025

Web of Science accession number: WOS:000529352900002

SHS Joining of Ta with NiAl: Structure of Transition Zone 0

Authors (2): Shchukin, A. S.; Sytschev, A. E.

Published: Apr 2020 in International Journal of Self-Propagating High-Temperature Synthesis

DOI: 10.3103/S1061386220020120

Web of Science accession number: WOS:000544972900014

Ni-Al-SiO₂-Based Cermet Produced by Self-Propagating High-Temperature Synthesis 1

Authors (5): Sychev, A. E.; Kochetov, N. A. ... Busurina, M. L.

Published: Mar 2020 in Glass and Ceramics (English Translation of Steklo I Keramika)

DOI: 10.1007/S10717-020-00225-4

Web of Science accession number: WOS:000521696200002

<p>Temperature Dependence of Electrical Resistivity of the TiN/TiAl₃/Ti₂AlN Composite Material</p> <p>Authors (4): Kondakov, A. A.; Karpov, A., V ... Sytschev, A. E. Published: Mar 2020 in Russian Journal of Non-Ferrous Metals DOI: 10.3103/S106782122002008X Web of Science accession number: WOS:000532728600009</p>	0
<p>Structure and Properties of SPS-produced Carbon-Containing NiAl</p> <p>Authors (5): Sytschev, A. E.; Kochetov, N. A. ... Aborkin, A. V. Published: Jan 2020 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386220010124 Web of Science accession number: WOS:000524237400013</p>	1
<p>Processing of Ni-Al intermetallic with 2D carbonyl components</p> <p>Authors (5): Sytschev, A. E.; Kochetov, N. A. ... Shchukin, A. S. Published: Dec 2019 in Materials Chemistry and Physics DOI: 10.1016/J.MATCHEMPHYS.2019.121898 Web of Science accession number: WOS:000490046000015</p>	7
<p>Investigation of the Composition and Properties of a Cr₂AlC MAX Phase-Based Material Prepared by Metallothermic SHS</p> <p>Authors (5): Gorshkov, V. A.; Miloserdov, P. A. ... Sytschev, A. E. Published: Jun 2019 in Physics of Metals and Metallography DOI: 10.1134/S0031918X19050041 Web of Science accession number: WOS:000471977300010</p>	7
<p>Effect of type of ceramic particles on efficiency of gas dynamic spraying and hardness of hybrid coatings AlMg₆/C₆O</p> <p>Authors (5): Aborkin, A. V.; Elkin, A. I. ... Sytschev, A. E. Published: Apr 2019 in IOP Conference Series: Materials Science and Engineering DOI: 10.1088/1757-899X/525/1/012001 Web of Science accession number: WOS:000490925000001</p>	0
<p>Peculiarities of a NiAl/Mo Transition Zone Formed during Self-Propagating High-Temperature Synthesis</p> <p>Authors (2): Shchukin, A. S.; Sytschev, A. E. Published: 2019 in Physics of Metals and Metallography DOI: 10.1134/S0031918X19090138 Web of Science accession number: WOS:000489051000005</p>	4
<p>d(0)-Ferromagnetism in SHS Titanium Nitride Treated by Ball Milling</p> <p>Authors (4): Busurina, M. L.; Belousova, O., V ... Sytschev, A. E. Published: 2019 in Eurasian Chemico-Technological Journal DOI: 10.18321/ECTJ892 Web of Science accession number: WOS:000505618100008</p>	0
<p>Effect of Al₂O₃ on the Microhardness of AlMg₂/Graphite Nanocomposite Powder Gas Dynamic Coatings on Aluminum Alloys</p> <p>Authors (5): Aborkin, A. V.; Arkhipov, V. E. ... Alymov, M. I. Published: 2019 in Metal Science and Heat Treatment DOI: 10.1007/S11041-019-00430-1 Web of Science accession number: WOS:000495288700004</p>	0

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- Effect of Content and Mechanical Activation on the Combustion of a Ni-Al-C System** **8**
Authors (2): Kochetov, N. A.; Sychev, A. E.
Published: 2019 in Combustion, Explosion, and Shock Waves
DOI: 10.1134/S001050821906008X
Web of Science accession number: WOS:000504614400008
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- Interaction of Graphite with a Ti-Al Melt during Self-Propagating High-Temperature Synthesis** **3**
Authors (4): Sychev, A. E.; Busurina, M. L. ... Vrel, D.
Published: 2019 in Inorganic Materials
DOI: 10.1134/S002016851908017X
Web of Science accession number: WOS:000483703300005
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- Production of the micron powders by the electric explosion of metallic fibers** **3**
Authors (6): Skryabin, A. S.; Pavlov, A. V. ... Sytchev, A. E.
Published: Nov 2018 in Journal of Physics: Conference Series
DOI: 10.1088/1742-6596/1115/4/042017
Web of Science accession number: WOS:000546577800154
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- Conductive TiB₂-AlN-BN-Based Composite SHS Ceramics** **1**
Authors (6): Karpov, A. V.; Konovalikhin, S. V. ... Sytschev, A. E.
Published: Nov 2018 in Russian Journal of Non-Ferrous Metals
DOI: 10.3103/S1067821218060081
Web of Science accession number: WOS:000457227300011
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- Electrically Conducting Ceramics Based on Al-AlN-TiB₂** **1**
Authors (4): Karpov, A. V.; Kovalev, D. Yu. ... Sytschev, A. E.
Published: Sep 2018 in High Temperature
DOI: 10.1134/S0018151X18040089
Web of Science accession number: WOS:000445372400009
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- Solution combustion synthesis of nano-catalysts with a hierarchical structure** **25**
Authors (9): Xanthopoulou, G.; Thoda, O. ... Chroneos, A.
Published: Aug 2018 in Journal of Catalysis
DOI: 10.1016/J.JCAT.2018.04.003
Web of Science accession number: WOS:000440391600012
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- Ni(3)DI/C Composites by Thermal Explosion** **5**
Authors (4): Sytschev, A. E.; Vadchenko, S. G. ... Shchukin, A. S.
Published: Apr 2018 in International Journal of Self-Propagating High-Temperature Synthesis
DOI: 10.3103/S1061386218010090
Web of Science accession number: WOS:000429031400011
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- Effect of iron pentacarbonyl additives on the nucleation of soot particles during the pyrolysis of ethylene in shock waves** **2**
Authors (9): Vlasov, P. A.; Smirnov, V. N. ... Borunova, A. B.
Published: Feb 2018 in Journal of Physics: Conference Series
DOI: 10.1088/1742-6596/946/1/012072
Web of Science accession number: WOS:000446782200072
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Morphology, granulometric and structural phase composition of mechanically synthesized composite powder Al-Mg plus Al/MWCNTs	2
Authors (7): Aborkin, A. V.; Sobol'kov, A. V. ... Sytschev, A. E. Published: Jan 2018 in Journal of Physics: Conference Series DOI: 10.1088/1742-6596/951/1/012008 Web of Science accession number: WOS:000446239900008	
Interaction of NiAl Intermetallic During SHS Synthesis with Ta Substrate	5
Authors (3): Shchukin, Alexander S.; Vrel, Dominique; Sytschev, Alexander E. Published: 2018 in Advanced Engineering Materials DOI: 10.1002/ADEM.201701077 Web of Science accession number: WOS:000440898100010	
Features of Microstructure Formation in the Ni-Al-W System during SHS	1
Authors (3): Shchukin, A. S.; Vadchenko, S. G.; Sytschev, A. E. Published: 2018 in Russian Journal of Non-Ferrous Metals DOI: 10.3103/S1067821218050164 Web of Science accession number: WOS:000448533700017	
Synthesis of composite based on W Ni-Al system by the electro-thermal explosion under pressure	4
Authors (4): Shchukin, A. S.; Scherbakov, A., V ... Shcherbakov, V. A. Published: 2018 in Letters on Materials-pis Ma O Materialakh DOI: 10.22226/2410-3535-2018-3-274-277 Web of Science accession number: WOS:000442955200008	
Effect of a NiO Additive on Interaction in a Ni-Al-W System in Self-Propagating High-Temperature Synthesis	1
Authors (2): Shchukin, A. S.; Sytschev, A. E. Published: 2018 in Combustion, Explosion, and Shock Waves DOI: 10.1134/S001050821804007X Web of Science accession number: WOS:000441745400007	
Reaction Synthesis of the Ti ₂ AlN MAX-Phase	11
Authors (3): Kovalev, D. Yu.; Luginina, M. A.; Sytschev, A. E. Published: Jul 2017 in Russian Journal of Non-Ferrous Metals DOI: 10.3103/S1067821217030087 Web of Science accession number: WOS:000405702300018	
SHS Joining by Thermal Explosion in (Ni	7
Authors (6): Sytschev, A. E.; Vrel, D. ... Kovalev, I. D. Published: Mar 2017 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386217010137 Web of Science accession number: WOS:000400300400008	
Synthesis of a new MAX phase in the Ti-Zr-Al-C system	4
Authors (6): Kovalev, Dmitry Yu.; Luginina, Marina A. ... Shchukin, Aleksandr S. Published: Jan 2017 in Mendeleev Communications DOI: 10.1016/J.MENCOM.2017.01.018 Web of Science accession number: WOS:000393539000018	

Combustion synthesis in bi-layered (Ti-Al)/(Ni-Al) system 14

Authors (5): Sytschev, A. E.; Vrel, Dominique ... Sachkova, N. V.
Published: 2017 in Journal of Materials Processing Technology
DOI: 10.1016/J.JMATPROTEC.2016.09.010
Web of Science accession number: WOS:000389088200007

Structure and Properties of a Composite Material Obtained by Thermal
Explosion in a Mixture of Ni + Al + Cr₂O₃ 3

Authors (6): Boyarchenko, O. D.; Sychev, A. E. ... Sichinava, M. A.
Published: 2017 in Combustion, Explosion, and Shock Waves
DOI: 10.1134/S0010508217010075
Web of Science accession number: WOS:000398061500007

International Journal of Self-Propagating High-Temperature Synthesis 1

Authors (2): Scheck, Yury B.; Sytschev, Alexander E.
Published: 2017 in Concise Encyclopedia of Self-propagating High-temperature Synthesis: History, Theory,
Technology, and Products
DOI: 10.1016/B978-0-12-804173-4.00079-X
Web of Science accession number: WOS:000656044900072

Combustion synthesis in the Ni-Al-Nb ternary system: A Time-Resolved X-ray
Diffraction study 3

Authors (4): Sytschev, Alexander E.; Kovalev, Dmitry Yu. ... Vadchenko, Sergey G.
Published: 2017 in Results in Physics
DOI: 10.1016/J.RINP.2017.05.030
Web of Science accession number: WOS:000417531500256

Fine structure of transition layer formed between NiAl melt and W substrate
during self-propagating high-temperature synthesis 7

Authors (2): Shchukin, A. S.; Sytschev, A. E.
Published: 2017 in Letters on Materials-pis Ma O Materialakh
DOI: 10.22226/2410-3535-2017-3-244-248
Web of Science accession number: WOS:000410950000007

Structure and phase formation in the Ti-Al-Nb system in the thermal explosion
mode 2

Authors (7): Busurina, M. L.; Umarov, L. M. ... Sychev, A. E.
Published: Nov 2016 in Combustion, Explosion, and Shock Waves
DOI: 10.1134/S0010508216060058
Web of Science accession number: WOS:000391821700005

Preparation of Ti₂AlN by Reactive Sintering 2

Authors (3): Luginina, M. A.; Kovalev, D. Yu.; Sytschev, A. E.
Published: Jan 2016 in International Journal of Self-Propagating High-Temperature Synthesis
DOI: 10.3103/S1061386216010088
Web of Science accession number: WOS:000373273200007

SHS Joining in the Ti-C-Si System 4

Authors (5): Kamynina, O. K.; Vadchenko, S. G. ... Sytschev, A. E.
Published: Jan 2016 in International Journal of Self-Propagating High-Temperature Synthesis
DOI: 10.3103/S1061386216010064
Web of Science accession number: WOS:000373273200012

Si-Filled Ceramic Composite by Thermal Explosion in the Al-SiO₂ System	1
Authors (6): Karpov, A. V.; Vadchenko, S. G. ... Sachkova, N. V. Published: 2016 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386216020072 Web of Science accession number: WOS:000378942000008	
Ti-Al-Nb Alloys by Thermal Explosion: Synthesis and Characterization	5
Authors (7): Busurina, M. L.; Umarov, L. M. ... Sytshev, A. E. Published: 2016 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386216020059 Web of Science accession number: WOS:000463754300001	
Low-Weight TiAl₃ Composites by Thermal Explosion	0
Authors (4): Kamynina, O. K.; Vadchenko, S. G. ... Kovalev, I. D. Published: 2016 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386216020060 Web of Science accession number: WOS:000378942000006	
Influence of synthesis conditions on the structure and phase formation during the SHS hydration of titanium	1
Authors (8): Prokudina, V. K.; Kovalev, D. Yu. ... Sachkova, N. V. Published: Mar 2015 in Russian Journal of Non-Ferrous Metals DOI: 10.3103/S1067821215010150 Web of Science accession number: WOS:000351447400015	
Self-Propagating High-Temperature Synthesis in the Ti-Si-C System: Features of Product Patterning	12
Authors (5): Vadchenko, S. G.; Sytshev, A. E. ... Konovalikhin, S. V. Published: Jan 2015 in Nanotechnologies in Russia DOI: 10.1134/S1995078015010206 Web of Science accession number: WOS:000428883000009	
Porous Ti-Co Alloys and Their Joining with Titanium by SHS cladding	3
Authors (5): Sytshev, A. E.; Kamynina, O. K. ... Vadchenko, S. G. Published: 2015 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386215030127 Web of Science accession number: WOS:000371142100011	
Combustion of Layered SHS Systems: Thermal Conditions at the Interface	6
Authors (5): Boyarchenko, O. D.; Kostin, S. V. ... Sytshev, A. E. Published: 2015 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386215030048 Web of Science accession number: WOS:000371142100002	
THE MECHANICAL PROPERTIES OF COMPACT TITANIUM PRODUCED FROM TITANIUM HYDRIDE POWDERS USING SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS	2
Authors (6): Dekhtyar, A. I.; Ivasishin, O. M. ... Sychev, A. E. Published: 2015 in Powder Metallurgy and Metal Ceramics DOI: 10.1007/S11106-015-9649-Z Web of Science accession number: WOS:000350482800007	

SHS Hydrogenation of Group IV Metals as Studied by Time-Resolved XRD	1
Authors (5): Kovalev, D. Yu.; Sytschev, A. E. ... Moiseeva, I. V. Published: Dec 2014 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386214040062 Web of Science accession number: WOS:000217544700005	
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Mechanical Activation of a Hard Magnetic Fe-Cr-Co Alloy Powder Charge	1
Authors (8): Alymov, M. I.; Milyaev, I. M. ... Bompe, T. A. Published: Nov 2014 in Russian Metallurgy (Metally) DOI: 10.1134/S0036029514070027 Web of Science accession number: WOS:000415546500012	
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Formation of Nanolaminate Structures in the Ti-Si-C System: A Crystallochemical Study	15
Authors (5): Konovalikhin, S. V.; Kovalev, D. Yu. ... Shchukin, A. S. Published: Oct 2014 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386214040049 Web of Science accession number: WOS:000217544700009	
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SHS of MAX Compounds in the Ti-Si-C System: Influence of Mechanical Activation	11
Authors (5): Vadchenko, S. G.; Sytschev, A. E. ... Belikova, A. F. Published: Sep 2014 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S106138621403011X Web of Science accession number: WOS:000217543800004	
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NiAl Intermetallics Dispersion-Strengthened with Silica, Alumina, and Mullite: Synthesis and Characterization	3
Authors (6): Boyarchenko, O. D.; Sytschev, A. E. ... Vrel, D. Published: Apr 2014 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386214020034 Web of Science accession number: WOS:000217543000004	
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NiMn_xFe(2-x)O(4) Ferrites: Combustion Synthesis and Characterization	2
Authors (6): Dmitriev, T. P.; Busurin, S. M. ... Sytschev, A. E. Published: 2014 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386214030042 Web of Science accession number: WOS:000217543800008	
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SHS Mechanoactivated Ni-Al-W Blends: Some Structural Aspects	2
Authors (3): Sytschev, A. E.; Vadchenko, S. G.; Shchukin, A. S. Published: Jul 2013 in International Journal of Self-Propagating High-Temperature Synthesis DOI: 10.3103/S1061386213030084 Web of Science accession number: WOS:000217540300008	
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Combustion Synthesis in the Ni-Al-W System: Some Structural Features	5
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Deposition of Ni-Al Coatings onto Copper by Mechanical/Heat Treatment	3
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Published: 1993 in Inorganic Materials

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TUNGSTENLESS SOLID ALLOYS BASED ON TITANIUM CARBIDE OBTAINED BY SHS WITH A NICKEL-MOLYBDENUM BINDER

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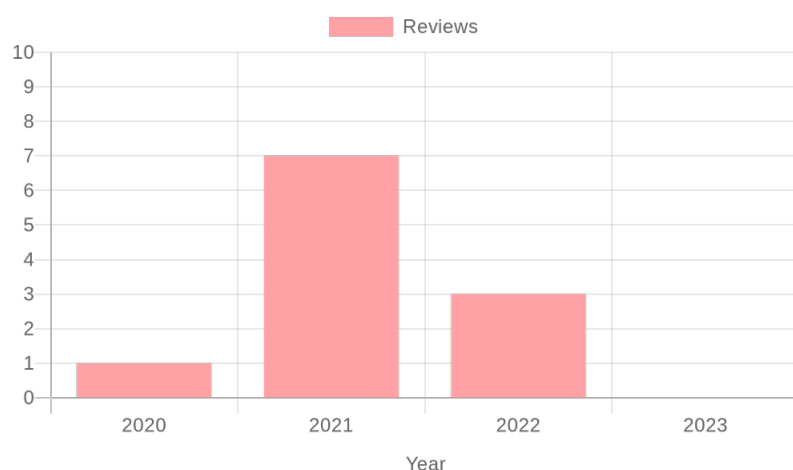
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Verified reviews

REVIEW SUMMARY



REVIEWER SUMMARY

For manuscripts reviewed from date range January 1987 - January 2023

(5) Materials	(3) Metals
(2) Advanced Engineering Materials	(1) Journal of Composites Science

11 REVIEWS OF 8 MANUSCRIPTS

From date range January 1987 - January 2023

Microstructure and Mechanical Properties of Hybrid AZ91 Magnesium Matrix Composite with Ti and SiC Particles

Reviewed: Jul 2022 for Materials

Materials Development Strategies Using High-Energy Ball Milling

Reviewed: Jun 2022 for Journal of Composites Science

Influencing the Size and Shape of High-Energy Ball Milled Particle Reinforced Aluminum Alloy Powder

Reviewed: Mar 2022 for Materials

Study on Multi-scale Impact Energy Release Characteristics of Fe-Al Energetic Jets

2 rounds from Aug 2021 to Sep 2021 for Materials

Effects of Process Control Agent Amount, Milling Time, and Annealing Heat Treatment on the Microstructure of AlCrCuFeNi High-Entropy Alloy Synthesized through Mechanical Alloying

Reviewed: Aug 2021 for Metals

Effect of W on the impact-induced energy release behavior of Al–Ni energetic structural materials

2 rounds from Jun 2021 to Jul 2021 for Metals

In-situ X-ray observations and microstructural characterizations for understanding combustion foaming and reaction processes to synthesize porous Al₃Ti composites from Al–Ti–B₄C powders

2 rounds from Feb 2021 to Feb 2021 for Advanced Engineering Materials

SLM Manufacturing Redesign of Cooling Inserts for High Production Steel Moulds and Benchmarking with Other Industrial Additive Manufacturing Strategies

Reviewed: Sep 2020 for Materials
