

Sergey P Shilkin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Niobium Diboride Nanoparticles by the Reaction of Amorphous Boron with Niobium in KCl and Na ₂ B ₄ O ₇ Ionic Melts. Russian Journal of General Chemistry, 2021, 91, 302-304.	0.3	5
2	Synthesis and Thermal Oxidation Stability of Nanocrystalline Niobium Diboride. Inorganic Materials, 2021, 57, 1005-1014.	0.2	4
3	Synthesis, Structure, and Properties of Titanium Diboride Nanoparticles. Inorganic Materials, 2020, 56, 1127-1132.	0.2	2
4	Synthesis of Titanium Diboride Nanoparticles via the Reaction of TiCl ₄ with NaBH ₄ in NaCl-KCl Ionic Melt. Russian Journal of General Chemistry, 2020, 90, 924-926.	0.3	2
5	Synthesis of Vanadium Diboride Nanoparticles via Reaction of VCl ₃ with NaBH ₄ . Inorganic Materials, 2020, 56, 126-131.	0.2	4
6	Thermal Expansion of Micro- and Nanocrystalline ZrB ₂ Powders. Inorganic Materials, 2020, 56, 258-264.	0.2	3
7	Thermal Expansion of Micro- and Nanocrystalline HfB ₂ . High Temperature, 2019, 57, 32-36.	0.1	9
8	Synthesis of Vanadium Diboride Nanoparticles via Reaction of Amorphous Boron with Vanadium in KCl and Na ₂ B ₄ O ₇ Ionic Melts. Inorganic Materials, 2019, 55, 443-448.	0.2	3
9	Nanosized Vanadium Diboride: Synthesis, Structure, and Properties. Russian Journal of General Chemistry, 2019, 89, 641-646.	0.3	4
10	Preparation of ZrB ₂ by Reacting ZrCl ₄ with NaBH ₄ in Molten Potassium Bromide. Inorganic Materials, 2019, 55, 458-461.	0.2	2
11	High-Temperature X-ray Diffraction Study of the Thermal Expansion and Stability of Nanocrystalline VB ₂ . Inorganic Materials, 2019, 55, 1111-1117.	0.2	4
12	X-Ray Photoelectron Spectra of TbB ₆ . Inorganic Materials, 2018, 54, 45-48.	0.2	2
13	Synthesis of Zirconium Diboride Nanoparticles by the Reaction of ZrCl ₄ with NaBH ₄ in an Ionic Potassium Bromide Melt. Russian Journal of General Chemistry, 2018, 88, 1757-1758.	0.3	3
14	Special Features of Oxidation of Hafnium Diboride Nanoparticles of Different Dispersity. Russian Journal of General Chemistry, 2018, 88, 851-854.	0.3	1
15	Oxidation Behavior of Zirconium Diboride Nanoparticles. Inorganic Materials, 2018, 54, 550-557.	0.2	2
16	Behavior of titanium diboride nanofilms and nanopowders in hydrochloric acid solutions. Inorganic Materials, 2017, 53, 548-551.	0.2	2
17	Special features of preparation of nanosized zirconium diboride powders of various dispersity. Russian Journal of General Chemistry, 2017, 87, 906-911.	0.3	7
18	Formation of zirconium diboride nanoparticles as a result of reaction between zirconium tetrachloride and sodium borohydride. Inorganic Materials, 2017, 53, 804-808.	0.2	8

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19	Oxidation behavior of TiB ₂ micro- and nanoparticles. <i>Inorganic Materials</i> , 2016, 52, 686-693.	0.2	24
20	Corrosion resistance of nanostructured films of titanium diboride in mineral acid solutions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 618-621.	0.3	18
21	Synthesis of nanosized group IV borides in ionic melts of anhydrous sodium tetraborate. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 429-433.	0.3	9
22	Special features of preparation of nanosized hafnium diboride of different dispersity. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1019-1024.	0.3	4
23	Preparation of hafnium diboride nanopowders in an anhydrous Na ₂ B ₄ O ₇ ionic melt. <i>Inorganic Materials</i> , 2015, 51, 380-383.	0.2	4
24	Electron work function in YNi ₃ âˆ™ x T x (T = Cu, Fe, Mn; x = 0, 0.5) intermetallics. <i>Technical Physics</i> , 2014, 59, 613-615.	0.2	0
25	Preparation of zirconium diboride nanopowders in a sodium tetraborate ionic melt. <i>Inorganic Materials</i> , 2013, 49, 1187-1189.	0.2	5
26	Preparation of titanium diboride nanopowders of different particle sizes. <i>Inorganic Materials</i> , 2013, 49, 1086-1090.	0.2	7
27	Synthesis of Mg ₂ Cu and MgCu ₂ nanoparticles in a KCl-NaCl-MgCl ₂ melt. <i>Inorganic Materials</i> , 2012, 48, 1078-1081.	0.2	6
28	Electron work function of LaNi ₅ âˆ™ x T x (T = Al, Cu, Fe; x = 0, 1) intermetallics. <i>Technical Physics</i> , 2012, 57, 1266-1269.	0.2	2
29	Activation of metallic aluminum by tin and gallium chlorides in oxidation with water. <i>Inorganic Materials</i> , 2012, 48, 238-243.	0.2	6
30	Synthesis of Mg ₂ Ni nanoparticles in a KCl-NaCl-MgCl ₂ melt. <i>Inorganic Materials</i> , 2012, 48, 138-141.	0.2	2
31	Synthesis of nano-sized titanium diboride in a melt of anhydrous sodium tetraborate. <i>Russian Journal of General Chemistry</i> , 2012, 82, 819-821.	0.3	18
32	Phase transformations of pseudo-alloys of tungsten with titanium in hydrogen atmosphere. <i>Russian Journal of General Chemistry</i> , 2011, 81, 1761-1764.	0.3	0
33	Nanosized zirconium diboride: Synthesis and properties. <i>Russian Journal of Inorganic Chemistry</i> , 2011, 56, 506-509.	0.3	16
34	Electron work function of intermetallic compounds in the cerium-cobalt system. <i>Technical Physics</i> , 2011, 56, 1216-1218.	0.2	4
35	Interaction between samarium and cobalt carbonates in aqueous medium. <i>Russian Journal of Inorganic Chemistry</i> , 2010, 55, 23-26.	0.3	0
36	Preparation of titanium diboride nanopowder. <i>Inorganic Materials</i> , 2010, 46, 614-616.	0.2	7

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37	ABOUT INTERACTION OF HYDROGEN WITH SPHERICAL PARTICLES OF BT 5-1 TYPE ALLOY. , 2007, , 321-324.		0
38	Hydriding behavior of spherical particles of a titanium-aluminum-tin alloy. Inorganic Materials, 2006, 42, 261-263.	0.2	1
39	Reaction of the Intermetallic Compound SmFe ₁₁ Ti with Gaseous Ammonia. Russian Journal of General Chemistry, 2005, 75, 831-834.	0.3	2
40	Chemical Interaction between Sm ₂ Fe ₁₇ and Ammonia. Inorganic Materials, 2004, 40, 497-501.	0.2	1
41	Oxidation of Metal Hydrides with Molecular Oxygen. Russian Journal of General Chemistry, 2004, 74, 489-494.	0.3	4
42	Reactions in AB ₅ -NH ₃ systems. Russian Journal of General Chemistry, 2004, 74, 1641-1645.	0.3	1
43	Phase and chemical transformations of lanthanum and iron alloys in a nitrogen-hydrogen medium. Russian Journal of General Chemistry, 2004, 74, 1147-1149.	0.3	0
44	Title is missing!. Russian Journal of Applied Chemistry, 2003, 76, 1008-1010.	0.1	5
45	Chemical and Phase Transformations in the Systems Hydrogen-Sorbing Intermetallic Compound-Diborane. Russian Journal of General Chemistry, 2003, 73, 865-867.	0.3	0
46	Reaction of Lanthanum Carbonates with Nickel in Aqueous Medium. Russian Journal of General Chemistry, 2003, 73, 1331-1334.	0.3	2
47	Reaction of Hydride Phases of Zirconium Intermetallic Compounds with Molecular Nitrogen. Russian Journal of General Chemistry, 2002, 72, 1167-1169.	0.3	1
48	Hydrides ScFe(Ni) ₂ H _x : preparation and properties. International Journal of Hydrogen Energy, 2001, 26, 449-452.	3.8	3
49	Reaction of Zirconium and Its Dihydride with Ammonia. Russian Journal of General Chemistry, 2001, 71, 155-158.	0.3	0
50	Synthesis of the tetragonal titanium dihydride in ultradispersed state. International Journal of Hydrogen Energy, 1999, 24, 111-114.	3.8	16
51	Study of the phase-forming features in the ZrH ₂ -O ₂ system. International Journal of Hydrogen Energy, 1996, 21, 969-973.	3.8	9
52	Hydrogen absorption and electrocatalytic properties of ultrafine LaNi ₅ powders. International Journal of Hydrogen Energy, 1996, 21, 949-954.	3.8	16
53	Investigation of interactions in the TiH ₂ -O ₂ system. International Journal of Hydrogen Energy, 1995, 20, 387-389.	3.8	33
54	Vibrational spectra and structure of the Di- and tetraammoniate of aluminum borohydride. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1978, 27, 859-864.	0.0	2

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55	Synthesis and structure of amines of beryllium and magnesium borohydrides. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1975, 24, 661-663.	0.0	4
56	Structure and vibrational spectra of aluminum borohydride monoamine. Journal of Structural Chemistry, 1975, 16, 66-72.	0.3	6