

Vitalii Shtender

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of new members of the 3:29 phase from the Ce-Fe-Mn system and 1:11 from the Ce-Co-Mn. Journal of Alloys and Compounds, 2021, 855, 157435.	2.8	1
2	Magnetic transitions with magnetocaloric effects near room temperature related to structural transitions in Y _{0.9} Pr _{0.1} Fe ₂ D _{3.5} deuteride. Journal of Applied Physics, 2021, 130, 113904.	1.1	4
3	The Y-Mg-Co ternary system: alloys synthesis, phase diagram at 500°C and crystal structure of the new compounds. Journal of Alloys and Compounds, 2020, 812, 152072.	2.8	12
4	On the properties of the novel CeMgNi ₂ T ₂ (T = Co, Cu) alloys and their hydrides. Journal of Alloys and Compounds, 2020, 814, 152244.	2.8	7
5	TbMgNi _{4-x} Co _x (H,D) ₂ System. I: Synthesis, Hydrogenation Properties, and Crystal and Electronic Structures. Journal of Physical Chemistry C, 2020, 124, 196-204.	1.5	9
6	Origin of the metamagnetic transitions in Y _{1-x} Er _x Fe ₂ (H,D) _{4.2} compounds. Journal of Magnetism and Magnetic Materials, 2020, 512, 167018.	1.0	5
7	Synthesis and crystal structure of new compounds from the Y-Mg-Ni system. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 19-32.	0.4	5
8	Y ₆ Mg ₉ Co ₂ and Y ₉ Mg ₃₀ Co ₂ : Novel magnesium-rich compounds representing new structure types. Journal of Alloys and Compounds, 2018, 737, 613-622.	2.8	6
9	Solid-gas and electrochemical hydrogenation properties of the La _{1-x} Nd _x MgNi ₄ -Co alloys. Journal of Alloys and Compounds, 2018, 741, 307-314.	2.8	17
10	The Pr _{1-x} La _x MgNi ₄ -Co alloys: Synthesis, structure and hydrogenation properties. Solid State Sciences, 2018, 84, 112-119.	1.5	11
11	Electrode Materials Based on LaMgNi _{4-x} Co _x (0 ≤ x ≤ 1) Alloys. Powder Metallurgy and Metal Ceramics, 2017, 55, 559-566.	0.4	10
12	Phase equilibria in the Nd-Mg-Co system at 300 and 500°C, crystal structure and hydrogenation behavior of selected compounds. Intermetallics, 2017, 87, 61-69.	1.8	21
13	Crystal structure, hydrogen absorption-desorption behavior and magnetic properties of the Nd _{3-x} Mg ₉ Co ₉ alloys. Journal of Alloys and Compounds, 2017, 695, 1426-1435.	2.8	19
14	Synthesis, Structure, and Hydrogen-Sorption Properties of (Ti,Zr) ₄ Ni ₂ N _x Subnitrides. Materials Science, 2017, 53, 306-315.	0.3	1
15	Hydrogenation behavior of the R ₄ MgCo (R=Y, La, Nd, Tb) compounds. Journal of Solid State Chemistry, 2015, 229, 135-140.	1.4	11
16	Effect of Co substitution on hydrogenation and magnetic properties of NdMgNi ₄ alloy. Journal of Alloys and Compounds, 2015, 639, 526-532.	2.8	30
17	Phase equilibria in the Tb-Mg-Co system at 500°C, crystal structure and hydrogenation properties of selected compounds. Journal of Solid State Chemistry, 2015, 232, 228-235.	1.4	21
18	Phase-Structural and Electrochemical Properties of La ₂ MgNi ₉ Alloys. Powder Metallurgy and Metal Ceramics, 2015, 54, 220-226.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Hydrogenation properties and crystal structure of YMgT ₄ (T=Co, Ni, Cu) compounds. Journal of Alloys and Compounds, 2014, 603, 7-13.	2.8	51