

# Vitalii Shtender

## List of Publications by Year in descending order

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19  
papers

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citations

1039406

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docs citations

22  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Phase equilibria in the Tb-Mg-Co system at 500 $^{\circ}C$ , crystal structure and hydrogenation properties of selected compounds. Journal of Solid State Chemistry, 2015, 232, 228-235.	1.4	21
4	Phase equilibria in the $Nd-Mg-Co$ system at 300 and 500 $^{\circ}C$ , crystal structure and hydrogenation behavior of selected compounds. Intermetallics, 2017, 87, 61-69.	1.8	21
5	Crystal structure, hydrogen absorption-desorption behavior and magnetic properties of the $Nd_{3-x}Mg_9Co_x$ alloys. Journal of Alloys and Compounds, 2017, 695, 1426-1435.	2.8	19
6	Solid-gas and electrochemical hydrogenation properties of the $La_{1-x}Nd_xMgNi_4Co$ alloys. Journal of Alloys and Compounds, 2018, 741, 307-314.	2.8	17
7	The $Y-Mg-Co$ ternary system: alloys synthesis, phase diagram at 500 $^{\circ}C$ and crystal structure of the new compounds. Journal of Alloys and Compounds, 2020, 812, 152072.	2.8	12
8	Hydrogenation behavior of the $R_4MgCo$ ( $R=Y, La, Nd, Tb$ ) compounds. Journal of Solid State Chemistry, 2015, 229, 135-140.	1.4	11
9	The $Pr_{1-x}La_xMgNi_4Co$ alloys: Synthesis, structure and hydrogenation properties. Solid State Sciences, 2018, 84, 112-119.	1.5	11
10	Electrode Materials Based on $LaMgNi_4-xCo_x$ ( $0 \leq x \leq 1$ ) Alloys. Powder Metallurgy and Metal Ceramics, 2017, 55, 559-566.	0.4	10
11	$TbMgNi_4Co_2(H,D)$ System. I: Synthesis, Hydrogenation Properties, and Crystal and Electronic Structures. Journal of Physical Chemistry C, 2020, 124, 196-204.	1.5	9
12	On the properties of the novel $CeMgNi_2T_2$ ( $T = Co, Cu$ ) alloys and their hydrides. Journal of Alloys and Compounds, 2020, 814, 152244.	2.8	7
13	$Y_6Mg_9Co_2$ and $Y_9Mg_{30}Co_2$ : Novel magnesium-rich compounds representing new structure types. Journal of Alloys and Compounds, 2018, 737, 613-622.	2.8	6
14	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
15	Origin of the metamagnetic transitions in $Y_{1-x}Er_xFe_2(H,D)_{4.2}$ compounds. Journal of Magnetism and Magnetic Materials, 2020, 512, 167018.	1.0	5
16	Magnetic transitions with magnetocaloric effects near room temperature related to structural transitions in $Y_{0.9}Pr_{0.1}Fe_2D_{3.5}$ deuteride. Journal of Applied Physics, 2021, 130, 113904.	1.1	4
17	Phase-Structural and Electrochemical Properties of $La_2MgNi_9$ Alloys. Powder Metallurgy and Metal Ceramics, 2015, 54, 220-226.	0.4	3
18	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

#	ARTICLE	IF	CITATIONS
19	Synthesis, Structure, and Hydrogen-Sorption Properties of (Ti,Zr) <sub>4</sub> Ni <sub>2</sub> N <sub>x</sub> Subnitrides. Materials Science, 2017, 53, 306-315.	0.3	1