

Вплив водневого середовища на властивості конструкційних матеріалів на основі сплавів заліза, титану та нікелю

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№ п.п.	Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI	Кількість посилань згідно бази даних		
		Web of Science	Scopus	Google Scholar
1	Hydrogen-induced $\gamma \rightarrow \epsilon$ transformation and the role of ϵ -martensite in hydrogen embrittlement of austenitic steels, S.M. Teus, V.N. Shyvanyuk, V.G. Gavriljuk, Mater. Sci. Eng. A, 2008, 497, 290-294, 10.1016/j.msea.2008.07.003	43	42	50
2	Grain boundary migration of substitutional and interstitial atoms in α -iron, S.M. Teus, V.F. Mazanko, J.-M. Olive, V.G. Gavriljuk, Acta Mater., 2014, 69, 105-113, 10.1016/j.actamat.2014.01.049	18	21	23
3	Electronic effect on hydrogen brittleness of austenitic steels, V.G. Gavriljuk, B.D. Shanina, V.N. Syvanyuk, S.M. Teus, J. Appl. Phys., 2010, 108, 083723, 10.1063/1.3499610	12	18	23
4	Hydrogen migration and hydrogen-dislocation interaction in austenitic steels and titanium alloy in relation to hydrogen embrittlement, S.M. Teus, D.G. Savvakina, O.M. Ivasishin, V.G. Gavriljuk, Int. J. Hydr. Energy., 2017, 42, 2424-2433, 10.1016/j.ijhydene.2016.09.212	11	13	16
5	Phase transformation and grain refinement in hydrogenated metastable austenitic steel, V.M. Shyvaniuk, Y. Mine, S.M. Teus, Scripta Mater., 2012, 67(12), 979-982, 10.1016/j.scriptamat.2012.09.001	7	8	9
6	Hydrogen brittleness of austenitic steels, V.G. Gavriljuk, V.N. Shivanyuk, S.M. Teus, Mater. Sci. Forum, 2010, 638-642, 104-109, 10.4028/www.scientific.net/MSF.638-642.104	6	6	7
7	Plastic deformation and phase transformations in austenitic steels in the course of hydrogen charging and subsequent mechanical tests, G.S. Mogilny, S.M. Teus, V.N. Shyvanyuk, V.G. Gavriljuk, Mater. Sci. Eng. A, 2015, 648, 260-264, 10.1016/j.msea.2015.09.015	5	7	8
8	Hydrogen embrittlement of austenitic steels: electron approach, V.G. Gavriljuk, B.D. Shanina, V.N. Shyvanyuk, S.M. Teus, Corrosion Rev., 2013, 31(2), 33-50, 10.1515/correv-2013-0024	4	10	15
9	Hydrogen-induced ϵ -martensite and hydrogen embrittlement of austenitic steels, V.N. Shyvanyuk, S.M. Teus, V.G. Gavriljuk, Effects of hydrogen on materials, 2009, 163-170.	4	4	2
10	Hydrogen in Nickel: Hydride or Miscibility Gap?, D.N. Movchan, S.M. Teus, G.S. Mogilny, V.G. Gavriljuk, Metallofiz. Noveishie Tekhnol., 2013, 35(6), 821-829.	1	1	-
11	Grain boundary diffusion of hydrogen atoms in the α -iron, S.M. Teus, V.G. Gavriljuk, Metallofizika i noveishie tekhnologii, 2014, 36(10), 1399-1410	-	3	2
12	A concept for development of hydrogen-resistant austenitic steels, V.G. Gavriljuk, B.D. Shanina, V.N. Shivanyuk, S.M. Teus, Proceedings of the ASME 2013 Pressure Vessels and Piping Conference, 2013, 6B, V06BT06A008	-	1	1
13	Electron concept for hydrogen embrittlement of austenitic steels, V.G. Gavriljuk, B.D. Shanina, V.N. Shyvanyuk, S.M. Teus, Hydrogen-materials interaction, 2012, 67-76	-	-	4

Загальна кількість цитувань		111	134	160
h-індекс роботи		6	7	7