

Дані про цитування друкованих праць, що увійшли до роботи

**“Магنون-магنونні та магنون-фононні процеси в елементах магнітоелектроніки та магнітокалоріки”**

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№	Назва статті (монографії), автори, назва видання, рік, том, сторінка, DOI	Кількість посилань згідно бази даних		
		Web of Science	Scopus	Google Scholar
1	Fast switching of a ground state of a reconfigurable array of magnetic nano-dots. <b>R. Verba</b> , G. Melkov, V. Tiberkevich, A. Slavin Applied Physics Letters. – 2012. – Vol. 100 — P. 192412. DOI: 10.1063/1.4714772	31	32	37
2	Reduction of phase noise in nanowire spin orbit torque oscillators L. Yang, <b>R. Verba</b> , V. Tiberkevich, T. Schneider, A. Smith, Z. Duan, B. Youngblood, K. Lenz, J. Lindner, A. N. Slavin, I. N. Krivorotov Scientific Reports – 2015. – Vol. 5. – P. 16942. DOI: 10.1038/srep16942	28	34	41
3	Theoretical description of magnetocaloric effect in the shape memory alloy exhibiting metamagnetic behavior V. A. L'vov, <b>A. Kosogor</b> , J. M. Barandiaran, V. A. Chernenko Journal of Applied Physics. - 2016. - Vol. 119. - P. 013902. DOI: 10.1063/1.4939556	21	25	24

4	Excitation of whispering gallery magnons in a magnetic vortex K. Schultheiss, <b>R. Verba</b> , F. Wehrmann, K. Wagner, L. Körber, T. Hula, T. Hache, A. Kákay, A. A. Awad, V. Tiberkevich, A. N. Slavin, J. Fassbender, H. Schultheiss Physical Review Letters. – 2019. – Vol. 122. – P. 097202. DOI: 10.1103/PHYSREVLETT.122.097202	20	23	35
5	Theory of ground-state switching in an array of magnetic nanodots by application of a short external magnetic field pulse <b>R. Verba</b> , V. Tiberkevich, K. Guslienko, G. Melkov, A. Slavin Physical Review B. – 2013. – Vol. 87. – P. 134419. DOI: 10.1103/PHYSREVB.87.134419	17	17	26
6	Nonlinear ferromagnetic resonance in nanostructures having discrete spectrum of spin-wave modes G. A. Melkov, <b>D. V. Slobodianiuk</b> , V. S. Tiberkevich, G. De Loubens, O. Klein, A. N. Slavin IEEE Magnetics Letters. - 2013. - Vol. 4. - P. 4000504 DOI: 10.1109/LMAG.2013.2278682	16	16	25
7	Magnetic and nonmagnetic contributions to the heat capacity of metamagnetic shape memory alloy <b>A. Kosogor</b> , J. M. Barandiaran, V. A. L'vov, J. R. Fernandez, V. A. Chernenko Journal of Applied Physics.- 2017. - Vol. 121. - P. 183901. DOI: 10.1063/1.4983025	9	11	10
8	Recent Trends in Microwave Magnetism and Superconductivity O. V. Prokopenko, D. A. Bozhko, V. S. Tyberkevych, A. V. Chumak, V. I. Vasyuchka, A. A. Serga, O. Dzyapko, <b>R. V. Verba</b> , A. V. Talalaevskij, <b>D. V. Slobodianiuk</b> , Yu. V. Kobljanskyj, V. A. Moiseienko, S. V. Sholom, V. Yu. Malyshev Ukrainian Journal of Physics. – 2019. – Vol. 64. – P. 888. DOI: 10.15407/UJPE64.10.888	7	12	14
9	Enhancement of the spin pumping effect by magnon confluence process in YIG/Pt bilayers T. B. Noack, V. I. Vasyuchka, D. A. Bozhko, B. Heinz, P. Frey, <b>D. V. Slobodianiuk</b> , O. V. Prokopenko, G. A. Melkov, P. Kopietz, B. Hillebrands, A. A. Serga Physica Status Solidi (b) — 2019. - Vol. 256. - P. 1900121. DOI: 10.1002/pssb.201900121	7	9	11
10	Internal pressure as a key thermodynamic factor to obtain high-temperature superelasticity of shape memory alloys G. Gerstein, V. A. L'vov, <b>A. Kosogor</b> , H. J. Maier Materials Letters. - 2018. - Vol. 210. - P. 252. DOI: 10.1016/j.matlet.2017.09.034	7	8	9

11	Thermomechanical properties and two-way shape memory effect in melt spun Ni <sub>57</sub> Mn <sub>21</sub> Al <sub>21</sub> Si <sub>1</sub> ribbons E. Barmina, <b>A. Kosogor</b> , V. Khovaylo, M. Gorshenkov, M. Lyange, D. Kuchin, E. Dilmieva, V. Koledov, V. Shavrov, S. Taskaev, R. Chatterjee, L.K. Varga Journal of Alloys and Compounds. - 2017. - Vol. 696. - P. 310. DOI: 10.1016/j.jallcom.2016.11.311	7	7	11
12	Nonlinear Ferromagnetic Resonance in the Presence of Three-Magnon Scattering in Magnetic Nanostructures <b>D. V. Slobodianiuk</b> , G. A. Melkov, K. Schultheiss, H. Schultheiss, <b>R. V. Verba</b> IEEE Magnetics Letters. - 2019. - Vol. 10. - P. 6103405. DOI: 10.1109/LMAG.2019.2913132	6	6	7
13	Magnetocaloric Effect Caused by Paramagnetic Austenite-Ferromagnetic Martensite Phase Transformation <b>A. Kosogor</b> , V. A. L'vov, P. Lázpita, C. Seguí, E. Cesari Metals. - 2019. - Vol. 9. - P. 11. DOI: 10.3390/met9010011	4	5	6
14	Nonlocal Stimulation of Three-Magnon Splitting in a Magnetic Vortex L. Körber, K. Schultheiss, T. Hula, <b>R. Verba</b> , J. Fassbender, A. Kákay, and H. Schultheiss Physical Review Letters. - 2020. - Vol. 125. - P. 207203. DOI: 10.1103/PhysRevLett.125.207203	4	4	6
15	A Strongly Nonequilibrium State in Magnetic Nanodots at High Pumping Levels G. A. Melkov, <b>D. V. Slobodianiuk</b> Ukrainian Journal of Physics. — 2013. - Vol. 58. - C. 189. DOI: 10.15407/ujpe58.02.0189	4	4	5
16	Kinetics of strongly nonequilibrium magnon gas leading to Bose-Einstein condensation <b>D. V. Slobodianiuk</b> , O. V. Prokopenko Journal of Nano and Electronic Physics. - 2017. - Vol. 9. - P. 03033 DOI: 10.21272/jnep.9(3).03033	4	4	4
17	Explosive electromagnetic radiation by the relaxation of a multimode magnon system V. I. Vasyuchka, A. A. Serga, C. W. Sandweg, <b>D. V. Slobodianiuk</b> , G. A. Melkov, B. Hillebrands Physical Review Letters. - 2013. - Vol. 111. - P. 187206. DOI: 10.1103/PHYSREVLETT.111.187	3	4	5
18	Theory of three-magnon interaction in a vortex-state magnetic nanodot <b>R. Verba</b> , L. Körber, K. Schultheiss, H. Schultheiss, V. Tiberkevich, A. Slavin Physical Review B. - 2021. - Vol. 103. - P. 014413. (published 11 January 2021) DOI: 10.1103/PhysRevB.103.014413	3	4	6

19	Transition from one- to two-mode generation regime in spin-torque nano-oscillator mediated by thermal noise <b>D. V. Slobodianiuk</b> Condensed Matter Physics. - 2014. - Vol. 17. - P. 13801. DOI: 10.5488/CMP.17.13801	3	3	4
20	Inverse magnetocaloric effect in the solids undergoing ferromagnetic–antiferromagnetic phase transition: Landau theory applied to Fe-Rh alloys V. A. L'vov, <b>A. Kosogor</b> J. Magn. Magn. Mater. - 2021. - Vol. 517. - P. 167269. (published 1 January 2021) DOI: 10.1016/j.jmmm.2020.167269	2	2	3
21	Influence of incorporated nanoparticles on superelastic behavior of shape memory alloys V. A. L'vov, <b>A. Kosogor</b> , S. I. Palamarchuk, G. Gerstein, H. J. Maier Materials Science and Engineering: A. - 2020. - Vol. 776. - P. 139025 DOI: 10.1016/j.msea.2020.139025	1	1	2
22	Theory of giant magnetocaloric effect in the shape memory alloy undergoing magnetostuctural phase transition V. A. L'vov, <b>A. Kosogor</b> , V. A. Chernenko Low Temperature Physics. - 2020. - Vol. 46. - P. 764. DOI: 10.1063/10.0001537	1	2	1
23	Dipole-dominated dissipative magnetic solitons in quasi-one-dimensional spin-torque oscillators <b>R. V. Verba</b> , V. S. Tiberkevich and A. N. Slavin Low Temperature Physics. - 2020. - Vol. 46. - P. 773. DOI: 10.1063/10.0001539	0	0	1
	<b>Загальна кількість цитувань</b>	<b>205</b>	<b>233</b>	<b>293</b>
	<b>h-індекс робіт</b>	<b>7</b>	<b>9</b>	<b>10</b>