

Дані про цитування друкованих праць, які ввійшли до роботи

“Фізичні принципи спін-хвильової електроніки та спінтроніки”

Автори: к. ф.-м. н. Верба Р. В., д. ф.-м. н. Голуб В. О., д. ф.-м. н. Каказей Г. М.,
д. ф.-м. н. Мелков Г. А., д. ф.-м. н. Серга О. О., д. ф.-м. н. Товстолиткін О. І.,
к. ф.-м. н. Чумак А. В., д. ф.-м. н. Шека Д. Д.

№	Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI	Кількість посилань згідно бази даних		
		Web of Science	Scopus	Google Scholar
Монографії				
1	Magnetization oscillations and waves A.G. Gurevich, G.A. Melkov CRC Press, New York, 1996.	–	–	2239
Статті				
1	Magnon spintronics A.V. Chumak , V.I. Vasyuchka, A.A. Serga , B. Hillebrands Nature Physics. – 2015 – Vol. 11. – P. 453. DOI: 10.1038/nphys3347	944	959	1384
2	YIG magnonics A.A. Serga , A.V. Chumak , B. Hillebrands Journal of Physics D: Applied Physics. – 2010. – Vol. 43. – P. 264002. DOI: 10.1088/0022-3727/43/26/264002	652	679	1009
3	Bose–Einstein condensation of quasi–equilibrium magnons at room temperature under pumping S.O. Demokritov, V.E. Demidov, O. Dzyapko, G.A. Melkov , A.A. Serga , B. Hillebrands, A.N. Slavin Nature. – 2006. – Vol. 443. – P. 430. DOI: 10.1038/nature05117	534	546	874
4	Realization of spin–wave logic gates T. Schneider, A.A. Serga , B. Leven, B. Hillebrands, R.L. Stamps, M.P. Kostylev Applied Physics Letters. – 2008. – Vol. 92. – P. 022505. DOI: 10.1063/1.2834714	437	459	670
5	Magnon transistor for all-magnon data processing A.V. Chumak , A.A. Serga , B. Hillebrands Nature Communications. – 2014. – Vol. 5. – P. 4700. DOI: 10.1038/ncomms5700	373	378	534
6	Magnetic Switch of Permeability for Polyelectrolyte Microcapsules Embedded with Co@Au Nanoparticles Z. Lu, M.D. Prouty, Z. Guo, V. O. Golub , C. S. S. R. Kumar, Yu. M. Lvov Langmuir – 2005. – Vol. 21. – P. 2042. DOI: 10.1021/LA047629Q	277	303	411

7	<p>Interacting ferromagnetic nanoparticles in discontinuous $\text{Co}_{80}\text{Fe}_{20}/\text{Al}_2\text{O}_3$ multilayers: from superspin glass to reentrant superferromagnetism</p> <p>W. Kleemann, O. Petravic, Ch. Binek, G.N. Kakazei, Yu.G. Pogorelov, J.B. Sousa, S. Cardoso, P.P. Freitas</p> <p>Physical Review B. – 2001. – Vol. 63 – P. 134423. DOI: 10.1103/PhysRevB.63.134423</p>	183	189	220
8	<p>Giant and reversible extrinsic magnetocaloric effects in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ films due to strain.</p> <p>Moya X., Hueso L.E., Maccherozzi F., Tovstolytkin A.I., Podyalovskii D.I., Ducati C., Phillips L., Ghidini M., Hovorka O., Berger A., Vickers M.E., Defay E., Dhési S.S., Mathur N.D.</p> <p>Nature Materials. – 2013. – Vol. 12. – P. 52. DOI: 10.1038/nmat3463</p>	179	183	215
9	<p>Scattering of backward spin waves in one dimensional magnonic crystal</p> <p>A.V. Chumak, A.A. Serga, B. Hillebrands, M.P. Kostylev</p> <p>Applied Physics Letters. – 2008. – Vol. 93. – P. 022508. DOI: 10.1063/1.2963027</p>	145	152	212
10	<p>Magnonic crystals for data processing</p> <p>A.V. Chumak, A.A. Serga, B. Hillebrands</p> <p>Journal of Physics D: Applied Physics. – 2017. – Vol. 50. – P. 244001. DOI: 10.1088/1361-6463/aa6a65</p>	139	153	224
11	<p>All-linear time reversal by a dynamic artificial crystal</p> <p>A.V. Chumak, V.S. Tiberkevich, A.D. Karenowska, A.A. Serga, J.F. Gregg, A.N. Slavin, B. Hillebrands</p> <p>Nature Communications. – 2010. – Vol. 1. – P. 141. DOI: 10.1038/ncomms1142</p>	126	129	175
12	<p>Spin-wave spectra of perpendicularly magnetized circular submicron dot arrays</p> <p>G. N. Kakazei, P. E. Wigen, K. Yu. Guslienko, V. Novosad, A. N. Slavin, V. O. Golub, N. A. Lesnik, Y. Otani</p> <p>Applied Physics Letters. – 2004. – Vol. 85. – P. 443. DOI: 10.1063/1.1772868</p>	120	123	148
13	<p>Magnetism in curved geometries (Topical Review)</p> <p>R Streubel, P. Fischer, F. Kronast, V. Kravchuk, D. Sheka, Y. Gaididei, O. Schmidt, D. Makarov</p> <p>Journal of Physics D – 2016. – Vol. 49. – P. 363001. DOI: 10.1088/0022-3727/49/36/363001</p>	118	121	163
14	<p>Nanostructures: A general route to macroscopic hierarchical 3D nanowire networks.</p> <p>D. Wang, H. Luo, R. Kou, M.P. Gil, S. Xiao, V. O. Golub, Z. Yang, C.J. Brinker, Y. Lu</p> <p>Angewandte Chemie, International Edition – 2004. – Vol. 43. – P. 6169. DOI: 10.1002/ANIE.200460535</p>	116	125	169

15	<p>Isothermal structural transitions, magnetization and large piezoelectric response in $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ perovskites I.O. Troyanchuk, D.V. Karpinsky, M.V. Bushinsky, V.A. Khomchenko, G.N. Kakazei, J.P. Araujo, M. Tovar, V. Sikolenko, V. Efimov, A.L. Kholkin Physical Review B. – 2011. – Vol. 83. – 054109. DOI: 10.1103/PhysRevB.83.054109</p>	112	116	133
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18	<p>Observation of spontaneous coherence in Bose-Einstein condensate of magnons V.E. Demidov, O. Dzyapko, S.O. Demokritov, G.A. Melkov, A.N. Slavin Physical Review Letters. – 2008. – Vol. 100. – P. 047205. DOI: 10.1103/PhysRevLett.100.047205</p>	87	93	140
19	<p>Direct measurement of magnon temperature: New insight into magnon-phonon coupling in magnetic insulators M. Agrawal, V.I. Vasyuchka, A.A. Serga, A.D. Karenowska, G.A. Melkov Physical Review Letters. – 2013. – Vol. 111. – P. 107204. DOI: 10.1103/PhysRevLett.111.107204</p>	84	87	124
20	<p>Experimental prototype of a spin-wave majority gate T. Fischer, M. Kewenig, D.A. Bozhko, A.A. Serga, I.I. Syvorotka, F. Ciubotaru, C. Adelman, B. Hillebrands, A.V. Chumak Applied Physics Letters. – 2017. – Vol. 110. – P. 152401. DOI: 10.1063/1.4979840</p>	84	86	129
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22	<p>Tunneling of dipolar spin waves through a region of inhomogeneous magnetic field S.O. Demokritov, A.A. Serga, A. Andre, V.E. Demidov, M.P. Kostylev, B. Hillebrands, A.N. Slavin Physical Review Letters. – 2004. – Vol. 93. – P. 047201. DOI: 10.1103/PhysRevLett.93.047201</p>	83	91	140

23	Curvature Effects in Thin Magnetic Shells Y. Gaididei, V. Kravchuk, D. Sheka Physical Review Letters – 2014. – Vol. 112. – P. 257203. DOI: 10.1103/PhysRevLett.112.257203	83	83	118
24	Tunnel magnetoresistance and magnetic ordering in ion-beam sputtered Co ₈₀ Fe ₂₀ /Al ₂ O ₃ discontinuous multilayers G.N. Kakazei , Yu.G. Pogorelov, A.M.L. Lopes, J.B. Sousa, P.P. Freitas, S. Cardoso, M.M. Pereira do Azevedo, E. Snoeck Journal of Applied Physics. – 2001. – Vol. 90. – P.4044. DOI: 10.1063/1.1399029	78	80	105
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26	Thermalization of a parametrically driven magnon gas leading to Bose-Einstein condensation V.E. Demidov, O. Dzyapko, S.O. Demokritov, G.A. Melkov , A.N. Slavin Physical Review Letters. – 2007. – Vol. 99. – P. 037205. DOI: 10.1103/PhysRevLett.99.037205	72	74	105
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28	Spin waves in circular soft magnetic dots at the crossover between vortex and single domain state F.G. Aliev, J.F. Sierra, A.A. Awad, G.N. Kakazei , D.-S. Han, S.-K. Kim, V. Metlushko, B. Ilic, K.Yu. Guslienko Physical Review B. – 2009. – Vol. 79. – 174433. DOI: 10.1103/PhysRevB.79.174433	69	73	92
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30	Reconfigurable nanoscale spin-wave directional coupler Q. Wang, P. Pirro, R. Verba , A. Slavin, B. Hillebrands, A. V. Chumak Science Advances. – 2018. – Vol. 4. – P. 1701517. DOI: 10.1126/sciadv.1701517	68	66	99

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35	Spin excitation frequencies in magnetostatically coupled arrays of vortex state circular Permalloy dots A.A. Awad, G.R. Aranda, D. Dieleman, K.Y. Guslienko, G.N. Kakazei , B.A. Ivanov, F.G. Aliev Applied Physics Letters. – 2010. – Vol. 97. – P. 132501. DOI: 10.1063/1.3495774	55	57	66
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41	In-plane and out-of-plane uniaxial anisotropies in rectangular arrays of circular dots studied by FMR G.N. Kakazei , P.E. Wigen, K.Yu. Guslienko, R. Chantrell, N.A. Lesnik, V. Metlushko, H. Shima, K. Fukamichi, Y. Otani, V. Novosad Journal of Applied Physics. – 2003. – Vol. 93. – P. 8418. DOI: 10.1063/1.1556978	47	44	56
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48	<p>Phase Separation in the Itinerant Metamagnetic Transition of $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ Z.Q. Mao, M. Zhou, J. Hooper, V. Golub, C.J. O'Connor. Physical Review Letters. – 2006. – Vol. 96. – P. 077205. DOI: 10.1103/PhysRevLett.96.077205</p>	40	40	65
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Загальна кількість цитувань		8462	8838	14467
h-індекс робіт		45	44	52