

Pavel V Lukashev

List of Publications by Year in descending order

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477
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic band structure and magnetism of CoFeV _{0.5} Mn _{0.5} Si. AIP Advances, 2022, 12, .	1.3	4
2	Large-field magnetoresistance of nanometer scale nickel films grown on molybdenum disulfide. AIP Advances, 2022, 12, 035233.	1.3	0
3	Electronic, magnetic, and structural properties of CrMnSb _{0.5} Si _{0.5} . Journal of Magnetism and Magnetic Materials, 2022, 553, 169267.	2.3	3
4	Electronic growth of Pd(111) nanostructures on MoS ₂ . Journal of Applied Physics, 2021, 129, .	2.5	4
5	First principles study of nearly strain-free Ni/WSe ₂ and Ni/MoS ₂ interfaces. Journal of Physics Condensed Matter, 2021, 33, 425001.	1.8	2
6	Diffusion energy barrier of Au on Bi ₂ Se ₃ : theory and experiment. Physica Scripta, 2021, 96, 125708.	2.5	0
7	First principles study of perpendicular magnetic anisotropy in thin-film Co ₂ MnSi. Physica Scripta, 2021, 96, 125818.	2.5	6
8	Electronic, structural and magnetic properties of Mn(1+x)Pt(1-x)Sb. Journal of Magnetism and Magnetic Materials, 2021, 537, 168234.	2.3	1
9	Perpendicular magnetic anisotropy in half-metallic thin-film Co ₂ CrAl. Journal of Physics Condensed Matter, 2021, 33, 105801.	1.8	6
10	Various challenges in realizing spin-gapless semiconductivity in Ti ₂ CoSi. Journal of Magnetism and Magnetic Materials, 2020, 514, 167188.	2.3	3
11	Chemical substitution induced half-metallicity in CrMnSb(1-x)P _x . Journal of Applied Physics, 2020, 128, .	2.5	7
12	Electronic, magnetic, and structural properties of Fe ₂ MnSn Heusler alloy. AIP Advances, 2020, 10, .	1.3	7
13	Structure and magnetism of NiFeMnGaxSn _{1-x} (x = 0, 0.25, 0.5, 0.75, 1.00) Heusler compounds. AIP Advances, 2019, 9, 035105.	1.3	8
14	Half-metallicity in CrAl-terminated Co ₂ CrAl thin film. Journal of Physics Condensed Matter, 2019, 31, 495801.	1.8	7
15	Half-metallic surfaces in thin-film Ti ₂ MnAl _{0.5} Sn _{0.5} . Journal of Physics Condensed Matter, 2019, 31, 055801.	1.8	5
16	Structural and magnetic properties of bulk Mn ₂ PtSn. Journal of Physics Condensed Matter, 2018, 30, 475801.	1.8	2
17	Effects of pressure and strain on spin polarization of IrMnSb. Journal of Physics Condensed Matter, 2017, 29, 075801.	1.8	22
18	Model of orbital populations for voltage-controlled magnetic anisotropy in transition-metal thin films. Physical Review B, 2017, 96, .	3.2	82

#	ARTICLE	IF	CITATIONS
19	Atomic disorder induced modification of magnetization in MnCrVAI. Journal of Applied Physics, 2017, 122, .	2.5	10
20	Interface states in CoFe ₂ O ₄ spin-filter tunnel junctions. Physical Review B, 2013, 88, .	3.2	22
21	Magnetic phases of cobalt atomic clusters on tungsten. Journal of Physics Condensed Matter, 2013, 25, 036003.	1.8	3
22	Ferroelectric Control of Magnetocrystalline Anisotropy at Cobalt/Poly(vinylidene fluoride) Interfaces. ACS Nano, 2012, 6, 9745-9750.	14.6	39
23	Ferroelectric control of the magnetocrystalline anisotropy of the Fe/BaTiO ₃ (001) interface. Journal of Physics Condensed Matter, 2012, 24, 226003.	1.8	33
24	Tailoring magnetocrystalline anisotropy of FePt by external strain. Journal of Applied Physics, 2012, 111, .	2.5	23
25	Spin filtering with EuO: Insight from the complex band structure. Physical Review B, 2012, 85, .	3.2	24