

Pavel V Lukashev

List of Publications by Year in descending order

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25
papers

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citations

1163117

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25
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25
docs citations

25
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	Model of orbital populations for voltage-controlled magnetic anisotropy in transition-metal thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	82
2	Ferroelectric Control of Magnetocrystalline Anisotropy at Cobalt/Poly(vinylidene fluoride) Interfaces. <i>ACS Nano</i> , 2012, 6, 9745-9750.	14.6	39
3	Ferroelectric control of the magnetocrystalline anisotropy of the Fe/BaTiO ₃ (001) interface. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 226003.	1.8	33
4	Spin filtering with EuO: Insight from the complex band structure. <i>Physical Review B</i> , 2012, 85, .	3.2	24
5	Tailoring magnetocrystalline anisotropy of FePt by external strain. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	23
6	Interface states in CoFe ₂ O ₄ spin-filter tunnel junctions. <i>Physical Review B</i> , 2013, 88, .	3.2	22
7	Effects of pressure and strain on spin polarization of IrMnSb. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 075801.	1.8	22
8	Atomic disorder induced modification of magnetization in MnCrVAI. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	10
9	Structure and magnetism of NiFeMnGaxSn _{1-x} (x = 0, 0.25, 0.5, 0.75, 1.00) Heusler compounds. <i>AIP Advances</i> , 2019, 9, 035105.	1.3	8
10	Half-metallicity in CrAl-terminated Co ₂ CrAl thin film. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 495801.	1.8	7
11	Chemical substitution induced half-metallicity in CrMnSb(1-x)P _x . <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	7
12	Electronic, magnetic, and structural properties of Fe ₂ MnSn Heusler alloy. <i>AIP Advances</i> , 2020, 10, .	1.3	7
13	First principles study of perpendicular magnetic anisotropy in thin-film Co ₂ MnSi. <i>Physica Scripta</i> , 2021, 96, 125818.	2.5	6
14	Perpendicular magnetic anisotropy in half-metallic thin-film Co ₂ CrAl. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 105801.	1.8	6
15	Half-metallic surfaces in thin-film Ti ₂ MnAl _{0.5} Sn _{0.5} . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 055801.	1.8	5
16	Electronic growth of Pd(111) nanostructures on MoS ₂ . <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	4
17	Electronic band structure and magnetism of CoFeV _{0.5} Mn _{0.5} Si. <i>AIP Advances</i> , 2022, 12, .	1.3	4
18	Magnetic phases of cobalt atomic clusters on tungsten. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 036003.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Various challenges in realizing spin-gapless semiconductivity in Ti ₂ CoSi. Journal of Magnetism and Magnetic Materials, 2020, 514, 167188.	2.3	3
20	Electronic, magnetic, and structural properties of CrMnSb _{0.5} Si _{0.5} . Journal of Magnetism and Magnetic Materials, 2022, 553, 169267.	2.3	3
21	Structural and magnetic properties of bulk Mn ₂ PtSn. Journal of Physics Condensed Matter, 2018, 30, 475801.	1.8	2
22	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
23	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
24	Diffusion energy barrier of Au on Bi ₂ Se ₃ : theory and experiment. Physica Scripta, 2021, 96, 125708.	2.5	0
25	Large-field magnetoresistance of nanometer scale nickel films grown on molybdenum disulfide. AIP Advances, 2022, 12, 035233.	1.3	0