

Pavel V Lukashev

List of Publications by Year in descending order

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25
papers

323
citations

1162889

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839398

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times ranked

477
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Electronic band structure and magnetism of CoFeV _{0.5} Mn _{0.5} Si. AIP Advances, 2022, 12, . | 0.6 | 4 |
| 2 | Large-field magnetoresistance of nanometer scale nickel films grown on molybdenum disulfide. AIP Advances, 2022, 12, 035233. | 0.6 | 0 |
| 3 | Electronic, magnetic, and structural properties of CrMnSb _{0.5} Si _{0.5} . Journal of Magnetism and Magnetic Materials, 2022, 553, 169267. | 1.0 | 3 |
| 4 | Electronic growth of Pd(111) nanostructures on MoS ₂ . Journal of Applied Physics, 2021, 129, . | 1.1 | 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. | 0.7 | 2 |
| 6 | Diffusion energy barrier of Au on Bi ₂ Se ₃ : theory and experiment. Physica Scripta, 2021, 96, 125708. | 1.2 | 0 |
| 7 | First principles study of perpendicular magnetic anisotropy in thin-film Co ₂ MnSi. Physica Scripta, 2021, 96, 125818. | 1.2 | 6 |
| 8 | Electronic, structural and magnetic properties of Mn(1+x)Pt(1-x)Sb. Journal of Magnetism and Magnetic Materials, 2021, 537, 168234. | 1.0 | 1 |
| 9 | Perpendicular magnetic anisotropy in half-metallic thin-film Co ₂ CrAl. Journal of Physics Condensed Matter, 2021, 33, 105801. | 0.7 | 6 |
| 10 | Various challenges in realizing spin-gapless semiconductivity in Ti ₂ CoSi. Journal of Magnetism and Magnetic Materials, 2020, 514, 167188. | 1.0 | 3 |
| 11 | Chemical substitution induced half-metallicity in CrMnSb(1-x)P _x . Journal of Applied Physics, 2020, 128, . | 1.1 | 7 |
| 12 | Electronic, magnetic, and structural properties of Fe ₂ MnSn Heusler alloy. AIP Advances, 2020, 10, . | 0.6 | 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. | 0.6 | 8 |
| 14 | Half-metallicity in CrAl-terminated Co ₂ CrAl thin film. Journal of Physics Condensed Matter, 2019, 31, 495801. | 0.7 | 7 |
| 15 | Half-metallic surfaces in thin-film Ti ₂ MnAl _{0.5} Sn _{0.5} . Journal of Physics Condensed Matter, 2019, 31, 055801. | 0.7 | 5 |
| 16 | Structural and magnetic properties of bulk Mn ₂ PtSn. Journal of Physics Condensed Matter, 2018, 30, 475801. | 0.7 | 2 |
| 17 | Effects of pressure and strain on spin polarization of IrMnSb. Journal of Physics Condensed Matter, 2017, 29, 075801. | 0.7 | 22 |
| 18 | Model of orbital populations for voltage-controlled magnetic anisotropy in transition-metal thin films. Physical Review B, 2017, 96, . | 1.1 | 82 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Atomic disorder induced modification of magnetization in MnCrVAI. Journal of Applied Physics, 2017, 122, . | 1.1 | 10 |
| 20 | Interface states in CoFe ₂ O ₄ spin-filter tunnel junctions. Physical Review B, 2013, 88, . | 1.1 | 22 |
| 21 | Magnetic phases of cobalt atomic clusters on tungsten. Journal of Physics Condensed Matter, 2013, 25, 036003. | 0.7 | 3 |
| 22 | Ferroelectric Control of Magnetocrystalline Anisotropy at Cobalt/Poly(vinylidene fluoride) Interfaces. ACS Nano, 2012, 6, 9745-9750. | 7.3 | 39 |
| 23 | Ferroelectric control of the magnetocrystalline anisotropy of the Fe/BaTiO ₃ (001) interface. Journal of Physics Condensed Matter, 2012, 24, 226003. | 0.7 | 33 |
| 24 | Tailoring magnetocrystalline anisotropy of FePt by external strain. Journal of Applied Physics, 2012, 111, . | 1.1 | 23 |
| 25 | Spin filtering with EuO: Insight from the complex band structure. Physical Review B, 2012, 85, . | 1.1 | 24 |