

Dmitry V Averyanov

List of Publications by Year in descending order

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papers

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34
all docs

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docs citations

34
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging two-dimensional ferromagnetism in silicene materials. Nature Communications, 2018, 9, 1672.	12.8	103
2	High-Temperature Magnetism in Graphene Induced by Proximity to EuO. ACS Applied Materials & Interfaces, 2018, 10, 20767-20774.	8.0	63
3	Lanthanide $f^{7/2}$ metalloxenes – a class of intrinsic 2D ferromagnets. Materials Horizons, 2019, 6, 1488-1496.	12.2	49
4	Direct Epitaxial Integration of the Ferromagnetic Semiconductor EuO with Silicon for Spintronic Applications. ACS Applied Materials & Interfaces, 2015, 7, 6146-6152.	8.0	47
5	Engineering of Magnetically Intercalated Silicene Compound: An Overlooked Polymorph of EuSi_2 . Advanced Functional Materials, 2017, 27, 1606603.	14.9	40
6	2D ferromagnetism in europium/graphene bilayers. Materials Horizons, 2020, 7, 1372-1378.	12.2	34
7	Atomic-Scale Engineering of Abrupt Interface for Direct Spin Contact of Ferromagnetic Semiconductor with Silicon. Scientific Reports, 2016, 6, 22841.	3.3	32
8	Europium Silicide – a Prospective Material for Contacts with Silicon. Scientific Reports, 2016, 6, 25980.	3.3	32
9	Layer-controlled laws of electron transport in two-dimensional ferromagnets. Materials Today, 2019, 29, 20-25.	14.2	31
10	High-Mobility Carriers in Germanene Derivatives. Advanced Functional Materials, 2020, 30, 1910643.	14.9	28
11	Topotactic synthesis of the overlooked multilayer silicene intercalation compound SrSi_2 . Nanoscale, 2016, 8, 16229-16235.	5.6	26
12	Fine structure of metal-insulator transition in EuO resolved by doping engineering. Nanotechnology, 2018, 29, 195706.	2.6	22
13	Competing magnetic states in silicene and germanene 2D ferromagnets. Nano Research, 2020, 13, 3396-3402.	10.4	19
14	A prospective submonolayer template structure for integration of functional oxides with silicon. Materials and Design, 2017, 116, 616-621.	7.0	18
15	Universal Interface between Functional Oxides and Silicon. Advanced Functional Materials, 2021, 31, 2010269.	14.9	13
16	Two-Dimensional Magnets beyond the Monolayer Limit. ACS Nano, 2021, 15, 12034-12041.	14.6	13
17	Emerging 2D magnetic states in a graphene-based monolayer of EuC_6 . Nano Research, 2022, 15, 408-413.	10.4	13
18	Giant quadratic magneto-optical Kerr effect in (Eu,Gd)O films for magnetic field sensing. Applied Materials Today, 2020, 19, 100640.	4.3	10

#	ARTICLE	IF	CITATIONS
19	Two-dimensional ferromagnetism in Eu-intercalated few-layer graphene. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161078.	5.5	10
20	Dimensionality Concept in Solid-State Reactions: A Way to Control Synthesis of Functional Materials at the Nanoscale. <i>Advanced Functional Materials</i> , 2020, 30, 2002691.	14.9	8
21	Direct epitaxial integration of the ferromagnetic semiconductor EuO with Si(111). <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 136-140.	2.3	7
22	Structural coupling across the direct EuO/Si interface. <i>Nanotechnology</i> , 2016, 27, 045703.	2.6	5
23	Interface-controlled integration of functional oxides with Ge. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17012-17018.	5.5	5
24	Interface-Induced Anomalous Hall Conductivity in a Confined Metal. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35589-35598.	8.0	4
25	Probing proximity effects in the ferromagnetic semiconductor EuO. <i>Applied Surface Science</i> , 2019, 488, 107-114.	6.1	4
26	Nanoscale synthesis of ionic analogues of bilayer silicene with high carrier mobility. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8545-8551.	5.5	4
27	Chaos at Interface Brings Order into Oxide/Silicon Structure. <i>Advanced Functional Materials</i> , 2021, 31, 2104925.	14.9	4
28	Epitaxial growth of magnetic semiconductor EuO on silicon by molecular beam epitaxy. <i>Crystal Research and Technology</i> , 2015, 50, 268-275.	1.3	3
29	High Carrier Mobility in a Layered Antiferromagnet Integrated with Silicon. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41926-41932.	8.0	3
30	Anomalous Hall effect in the prospective spintronic material Eu _{1-x} Gd _x O integrated with Si. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 226001.	1.8	2
31	Two-dimensional magnetism in Xenos. , 2022, , 353-375.		2
32	Coupling of magnetic orders in a 4f metal/oxide system. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9950-9957.	5.5	1
33	Growth of EuO/Si and EuO/SrO/Si heteroepitaxial structures by molecular-beam epitaxy. <i>Semiconductors</i> , 2015, 49, 130-133.	0.5	0
34	Magnetically intercalated multilayer silicene. <i>EPJ Web of Conferences</i> , 2018, 185, 01010.	0.3	0