

Dmitry V Averyanov

List of Publications by Year in descending order

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papers

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citations

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34
all docs

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docs citations

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times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging 2D magnetic states in a graphene-based monolayer of EuC ₆ . Nano Research, 2022, 15, 408-413.	10.4	13
2	Two-dimensional magnetism in Xenos. , 2022, , 353-375.		2
3	Nanoscale synthesis of ionic analogues of bilayer silicene with high carrier mobility. Journal of Materials Chemistry C, 2021, 9, 8545-8551.	5.5	4
4	Universal Interface between Functional Oxides and Silicon. Advanced Functional Materials, 2021, 31, 2010269.	14.9	13
5	Two-Dimensional Magnets beyond the Monolayer Limit. ACS Nano, 2021, 15, 12034-12041.	14.6	13
6	Chaos at Interface Brings Order into Oxide/Silicon Structure. Advanced Functional Materials, 2021, 31, 2104925.	14.9	4
7	High Carrier Mobility in a Layered Antiferromagnet Integrated with Silicon. ACS Applied Materials & Interfaces, 2021, 13, 41926-41932.	8.0	3
8	Two-dimensional ferromagnetism in Eu-intercalated few-layer graphene. Journal of Alloys and Compounds, 2021, 884, 161078.	5.5	10
9	Interface-controlled integration of functional oxides with Ge. Journal of Materials Chemistry C, 2021, 9, 17012-17018.	5.5	5
10	Dimensionality Concept in Solid-State Reactions: A Way to Control Synthesis of Functional Materials at the Nanoscale. Advanced Functional Materials, 2020, 30, 2002691.	14.9	8
11	Competing magnetic states in silicene and germanene 2D ferromagnets. Nano Research, 2020, 13, 3396-3402.	10.4	19
12	2D ferromagnetism in europium/graphene bilayers. Materials Horizons, 2020, 7, 1372-1378.	12.2	34
13	Giant quadratic magneto-optical Kerr effect in (Eu,Gd)O films for magnetic field sensing. Applied Materials Today, 2020, 19, 100640.	4.3	10
14	High-Mobility Carriers in Germanene Derivatives. Advanced Functional Materials, 2020, 30, 1910643.	14.9	28
15	Probing proximity effects in the ferromagnetic semiconductor EuO. Applied Surface Science, 2019, 488, 107-114.	6.1	4
16	Layer-controlled laws of electron transport in two-dimensional ferromagnets. Materials Today, 2019, 29, 20-25.	14.2	31
17	Lanthanide f ⁷ metalloxenes – a class of intrinsic 2D ferromagnets. Materials Horizons, 2019, 6, 1488-1496.	12.2	49
18	Fine structure of metal-insulator transition in EuO resolved by doping engineering. Nanotechnology, 2018, 29, 195706.	2.6	22

#	ARTICLE	IF	CITATIONS
19	Emerging two-dimensional ferromagnetism in silicene materials. Nature Communications, 2018, 9, 1672.	12.8	103
20	Direct epitaxial integration of the ferromagnetic semiconductor EuO with Si(111). Journal of Magnetism and Magnetic Materials, 2018, 459, 136-140.	2.3	7
21	Magnetically intercalated multilayer silicene. EPJ Web of Conferences, 2018, 185, 01010.	0.3	0
22	Interface-Induced Anomalous Hall Conductivity in a Confined Metal. ACS Applied Materials & Interfaces, 2018, 10, 35589-35598.	8.0	4
23	Coupling of magnetic orders in a 4f metal/oxide system. Journal of Materials Chemistry C, 2018, 6, 9950-9957.	5.5	1
24	High-Temperature Magnetism in Graphene Induced by Proximity to EuO. ACS Applied Materials & Interfaces, 2018, 10, 20767-20774.	8.0	63
25	Engineering of Magnetically Intercalated Silicene Compound: An Overlooked Polymorph of EuSi ₂ . Advanced Functional Materials, 2017, 27, 1606603.	14.9	40
26	A prospective submonolayer template structure for integration of functional oxides with silicon. Materials and Design, 2017, 116, 616-621.	7.0	18
27	Atomic-Scale Engineering of Abrupt Interface for Direct Spin Contact of Ferromagnetic Semiconductor with Silicon. Scientific Reports, 2016, 6, 22841.	3.3	32
28	Anomalous Hall effect in the prospective spintronic material Eu _{1-x} Gd _x O integrated with Si. Journal of Physics Condensed Matter, 2016, 28, 226001.	1.8	2
29	Topotactic synthesis of the overlooked multilayer silicene intercalation compound SrSi ₂ . Nanoscale, 2016, 8, 16229-16235.	5.6	26
30	Europium Silicide – a Prospective Material for Contacts with Silicon. Scientific Reports, 2016, 6, 25980.	3.3	32
31	Structural coupling across the direct EuO/Si interface. Nanotechnology, 2016, 27, 045703.	2.6	5
32	Growth of EuO/Si and EuO/SrO/Si heteroepitaxial structures by molecular-beam epitaxy. Semiconductors, 2015, 49, 130-133.	0.5	0
33	Direct Epitaxial Integration of the Ferromagnetic Semiconductor EuO with Silicon for Spintronic Applications. ACS Applied Materials & Interfaces, 2015, 7, 6146-6152.	8.0	47
34	Epitaxial growth of magnetic semiconductor EuO on silicon by molecular beam epitaxy. Crystal Research and Technology, 2015, 50, 268-275.	1.3	3