

Artur G Glavic

List of Publications by Year in descending order

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33
papers

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759233

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23
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35
all docs

35
docs citations

35
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	1.6	90
2	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. Scientific Reports, 2017, 7, 2802.	3.3	66
3	Focusing neutron reflectometry: Implementation and experience on the TOF-reflectometer Amor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 821, 44-54.	1.6	62
4	High-quality EuO thin films the easy way via topotactic transformation. Nature Communications, 2015, 6, 7716.	12.8	43
5	Unexpected structural and magnetic depth dependence of YIG thin films. Physical Review B, 2017, 96, .	3.2	41
6	Giant Controllable Magnetization Changes Induced by Structural Phase Transitions in a Metamagnetic Artificial Multiferroic. Scientific Reports, 2016, 6, 22708.	3.3	39
7	Synthetic magnetoelectric coupling in a nanocomposite multiferroic. Scientific Reports, 2015, 5, 9089.	3.3	21
8	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ films. Physical Review B, 2013, 88, .	3.2	20
9	Characterization of the Multi-Blade 10B-based detector at the CRISP reflectometer at ISIS for neutron reflectometry at ESS. Journal of Instrumentation, 2018, 13, P05009-P05009.	1.2	18
10	Efficient polarization analysis for focusing neutron instruments. Journal of Physics: Conference Series, 2017, 862, 012007.	0.4	16
11	Dipole-Oriented Molecular Solids Can Undergo a Phase Change and Still Maintain Electrical Polarization. Journal of Physical Chemistry C, 2016, 120, 24130-24136.	3.1	13
12	Temperature-dependent magnetism in artificial honeycomb lattice of connected elements. Physical Review B, 2018, 97, .	3.2	13
13	Spin Solid versus Magnetic Charge Ordered State in Artificial Honeycomb Lattice of Connected Elements. Advanced Science, 2018, 5, 1700856.	11.2	13
14	New generation high performance <i>in situ</i> polarized ^3He system for time-of-flight beam at spallation sources. Review of Scientific Instruments, 2017, 88, 025111.	1.3	11
15	Neutron reflectometry with the Multi-Blade ^{10}B -based detector. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180266.	2.1	11
16	High quality TbMnO $_3$ films deposited on YAlO $_3$. Journal of Alloys and Compounds, 2011, 509, 5061-5063.	5.5	10
17	A mechanism for ageing in a deeply supercooled molecular glass. Chemical Communications, 2021, 57, 6368-6371.	4.1	10
18	Strong size selectivity in the self-assembly of rounded nanocubes into 3D mesocrystals. Nanoscale Horizons, 2020, 5, 1065-1072.	8.0	9

#	ARTICLE	IF	CITATIONS
19	Direct <i>in situ</i> measurement of coupled magnetostructural evolution in a ferromagnetic shape memory alloy and its theoretical modeling. <i>Physical Review B</i> , 2015, 92, .	3.2	8
20	Effects of strain and buffer layer on interfacial magnetization in $\text{SrCr}_2\text{ReO}_6$ films determined by polarized neutron reflectometry. <i>Physical Review B</i> , 2014, 90, .	3.2	6
21	The Multi-Blade Boron-10-based neutron detector performance using a focusing reflectometer. <i>Journal of Instrumentation</i> , 2020, 15, P03010-P03010.	1.2	5
22	Direct observation of spin correlations in an artificial triangular lattice Ising spin system with grazing-incidence small-angle neutron scattering. <i>Nanoscale Horizons</i> , 2021, 6, 474-481.	8.0	5
23	Reflectivity, Off-Specular Scattering, and GISANS Neutrons. , 2016, , .		4
24	Constructing a magnetic handle for antiferromagnetic manganites. <i>Physical Review B</i> , 2016, 93, .	3.2	4
25	Soliton-Mediated Magnetic Reversal in an All-Oxide-Based Synthetic Antiferromagnetic Superlattice. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20788-20795.	8.0	3
26	Low temperature aging in a molecular glass: the case of <i>cis</i> -methyl formate. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15719-15726.	2.8	2
27	Unexpected precipitates in conjunction with layer-by-layer growth in Mn-enriched $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films. <i>Thin Solid Films</i> , 2021, 735, 138862.	1.8	2
28	Magnetization flop in Fe/Cr GMR multilayers. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012023.	0.4	1
29	Publisher's Note: Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO_3 films [Phys. Rev. B88, 054401 (2013)]. <i>Physical Review B</i> , 2013, 88, .	3.2	1
30	Frozen O ₂ layer revealed by neutron reflectometry. <i>Results in Physics</i> , 2016, 6, 263-264.	4.1	1
31	HEKATE "A novel grazing incidence neutron scattering concept for the European Spallation Source. <i>Review of Scientific Instruments</i> , 2018, 89, 035105.	1.3	1
32	Polarized neutron reflectivity studies on epitaxial $\text{BiFeO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ heterostructure integrated with Si (100). <i>AIP Advances</i> , 2018, 8, 055821.	1.3	0
33	Fabrication and testing of high-performance all-metal neutron guides and axisymmetric mirrors by electrochemical replication. <i>MRS Advances</i> , 2020, 5, 1513-1528.	0.9	0