Michael Foerster

List of Publications by Year
in descending order

38 papers	1,661 citations	567281 15 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	2407 citing authors

#	Article	IF	Citations
1	Room-temperature chiral magnetic skyrmions in ultrathin magnetic nanostructures. Nature Nanotechnology, 2016, 11, 449-454.	31.5	829
2	Current-Driven Skyrmion Dynamics and Drive-Dependent Skyrmion Hall Effect in an Ultrathin Film. Physical Review Applied, 2019, 12, .	3.8	111
3	The ALBA spectroscopic LEEM-PEEM experimental station: layout and performance. Journal of Synchrotron Radiation, 2015, 22, 745-752.	2.4	88
4	Magnetic Anisotropy Engineering in Thin Film Ni Nanostructures by Magnetoelastic Coupling. Physical Review Applied, 2014, 1, .	3.8	85
5	Direct imaging of delayed magneto-dynamic modes induced by surface acoustic waves. Nature Communications, 2017, 8, 407.	12.8	72
6	Generation and Imaging of Magnetoacoustic Waves over Millimeter Distances. Physical Review Letters, 2020, 124, 137202.	7.8	49
7	Bloch-point-mediated topological transformations of magnetic domain walls in cylindrical nanowires. Physical Review B, 2019, 99, .	3.2	45
8	Fast Domain Wall Motion Governed by Topology and Å'rsted Fields in Cylindrical Magnetic Nanowires. Physical Review Letters, 2019, 123, 217201.	7.8	45
9	Custom sample environments at the ALBA XPEEM. Ultramicroscopy, 2016, 171, 63-69.	1.9	36
10	Strontium hexaferrite platelets: a comprehensive soft X-ray absorption and MÃ¶ssbauer spectroscopy study. Scientific Reports, 2019, 9, 11777.	3.3	35
11	Electric-Field-Adjustable Time-Dependent Magnetoelectric Response in Martensitic FeRh Alloy. ACS Applied Materials & Interfaces, 2017, 9, 15577-15582.	8.0	29
12	Structure and magnetism of ultrathin nickel-iron oxides grown on Ru(0001) by high-temperature oxygen-assisted molecular beam epitaxy. Scientific Reports, 2018, 8, 17980.	3.3	27
13	Atomically Flat Ultrathin Cobalt Ferrite Islands. Advanced Materials, 2015, 27, 5955-5960.	21.0	26
14	Geometrically defined spin structures in ultrathin Fe₃O₄with bulk like magnetic properties. Nanoscale, 2018, 10, 5566-5573.	5.6	21
15	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. ACS Nano, 2020, 14, 12819-12827.	14.6	19
16	Spin and orbital magnetic moment of reconstructed<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:mn>2</mml:mn></mml:msqrt><mml:mo>Ã—</ Physical Review B, 2015, 91, .	3.2	16
17	Tuning the NÃ©el temperature in an antiferromagnet: the case of NixCo1â^'xO microstructures. Scientific Reports, 2019, 9, 13584.	3.3	15
18	Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. Physical Review B, 2018, 98, .	3.2	13

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19	Helical surface magnetization in nanowires: the role of chirality. Nanoscale, 2020, 12, 17880-17885.	5.6	12
20	Quantification of propagating and standing surface acoustic waves by stroboscopic X-ray photoemission electron microscopy. Journal of Synchrotron Radiation, 2019, 26, 184-193.	2.4	11
21	On the Promotion of Catalytic Reactions by Surface Acoustic Waves. Angewandte Chemie - International Edition, 2020, 59, 20224-20229.	13.8	9
22	Subnanosecond magnetization dynamics driven by strain waves. MRS Bulletin, 2018, 43, 854-859.	3.5	8
23	Reversible graphene decoupling by NaCl photo-dissociation. 2D Materials, 2019, 6, 025021.	4.4	8
24	Initial Stages of the Growth of Mixed Iron-cobalt Oxides on Ru(0001). Physics Procedia, 2016, 85, 12-19.	1.2	7
25	Ultra-thin NaCl films as protective layers for graphene. Nanoscale, 2019, 11, 16767-16772.	5.6	6
26	Influence of the growth conditions on the magnetism of SrFe₁₂O₁₉ thin films and the behavior of Co/SrFe₁₂O₁₉ bilayers. Journal Physics D: Applied Physics, 2020, 53, 344002.	2.8	6
27	Magnetic domain wall pinning in cobalt ferrite microstructures. Applied Surface Science, 2022, , 154045.	6.1	6
28	Confined step-flow growth of Cu intercalated between graphene and a Ru(0â€‰0â€‰0â€‰1) surface. 2D Materials, 2019, 6, 035004.	4.4	4
29	A real-time XAS PEEM study of the growth of cobalt iron oxide on Ru(0001). Journal of Chemical Physics, 2020, 152, 074704.	3.0	4
30	Combining high temperature sample preparation and in-situ magnetic fields in XPEEM. Ultramicroscopy, 2020, 214, 113010.	1.9	4
31	Imprint from ferromagnetic skyrmions in an antiferromagnet via exchange bias. Applied Physics Letters, 2021, 119, 192407.	3.3	4
32	Uncorrelated magnetic domains in decoupled SrFe₁₂O₁₉/Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003.	2.8	3
33	Pulse picking in synchrotron-based XPEEM. Ultramicroscopy, 2019, 202, 10-17.	1.9	2
34	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. ACS Applied Materials & Interfaces, 2021, 13, 42205-42211.	8.0	2
35	Preface to Special Issue on Magneto-Elastic Effects. Journal of Physics Condensed Matter, 2019, 31, 190301.	1.8	1
36	Disclosing odd symmetry, strain driven magnetic response of Co on Pt/PMN-PT (0â€‰1â€‰1). Journal of Physics Condensed Matter, 2019, 31, 084003.	1.8	1

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37	Zur Promotion katalytischer Reaktionen durch akustische OberflÃchenwellen. Angewandte Chemie, 2020, 132, 20399-20405.	2.0	1
38	Influence of chemical and electronic inhomogeneities of graphene/copper on the growth of oxide thin films: the ZnO/graphene/copper case. Nanotechnology, 2021, 32, 245301.	2.6	1