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	Magnetic domain wall pinning in cobalt ferrite microstructures. Applied Surface Science, 2022, , 154045.	6.1	6
2	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
3	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. ACS Applied Materials & Interfaces, 2021, 13, 42205-42211.	8.0	2
4	Uncorrelated magnetic domains in decoupled SrFe₁₂O₁₉/Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003.	2.8	3
5	Imprint from ferromagnetic skyrmions in an antiferromagnet via exchange bias. Applied Physics Letters, 2021, 119, 192407.	3.3	4
6	On the Promotion of Catalytic Reactions by Surface Acoustic Waves. Angewandte Chemie - International Edition, 2020, 59, 20224-20229.	13.8	9
7	Zur Promotion katalytischer Reaktionen durch akustische OberflÃchenwellen. Angewandte Chemie, 2020, 132, 20399-20405.	2.0	1
8	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. ACS Nano, 2020, 14, 12819-12827.	14.6	19
9	Helical surface magnetization in nanowires: the role of chirality. Nanoscale, 2020, 12, 17880-17885.	5.6	12
10	Generation and Imaging of Magnetoacoustic Waves over Millimeter Distances. Physical Review Letters, 2020, 124, 137202.	7.8	49
11	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
12	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
13	Combining high temperature sample preparation and in-situ magnetic fields in XPEEM. Ultramicroscopy, 2020, 214, 113010.	1.9	4
14	Ultra-thin NaCl films as protective layers for graphene. Nanoscale, 2019, 11, 16767-16772.	5.6	6
15	Preface to Special Issue on Magneto-Elastic Effects. Journal of Physics Condensed Matter, 2019, 31, 190301.	1.8	1
16	Strontium hexaferrite platelets: a comprehensive soft X-ray absorption and MÃ¶ssbauer spectroscopy study. Scientific Reports, 2019, 9, 11777.	3.3	35
17	Tuning the NÃ©el temperature in an antiferromagnet: the case of NixCo1â^'xO microstructures. Scientific Reports, 2019, 9, 13584.	3.3	15
18	Current-Driven Skyrmion Dynamics and Drive-Dependent Skyrmion Hall Effect in an Ultrathin Film. Physical Review Applied, 2019, 12, .	3.8	111

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19	Bloch-point-mediated topological transformations of magnetic domain walls in cylindrical nanowires. Physical Review B, 2019, 99, .	3.2	45
20	Pulse picking in synchrotron-based XPEEM. Ultramicroscopy, 2019, 202, 10-17.	1.9	2
21	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
22	Reversible graphene decoupling by NaCl photo-dissociation. 2D Materials, 2019, 6, 025021.	4.4	8
23	Fast Domain Wall Motion Governed by Topology and Å'rsted Fields in Cylindrical Magnetic Nanowires. Physical Review Letters, 2019, 123, 217201.	7.8	45
24	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
25	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
26	Geometrically defined spin structures in ultrathin Fe₃O₄with bulk like magnetic properties. Nanoscale, 2018, 10, 5566-5573.	5.6	21
27	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
28	Subnanosecond magnetization dynamics driven by strain waves. MRS Bulletin, 2018, 43, 854-859.	3.5	8
29	Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. Physical Review B, 2018, 98, .	3.2	13
30	Electric-Field-Adjustable Time-Dependent Magnetoelectric Response in Martensitic FeRh Alloy. ACS Applied Materials & Interfaces, 2017, 9, 15577-15582.	8.0	29
31	Direct imaging of delayed magneto-dynamic modes induced by surface acoustic waves. Nature Communications, 2017, 8, 407.	12.8	72
32	Initial Stages of the Growth of Mixed Iron-cobalt Oxides on Ru(0001). Physics Procedia, 2016, 85, 12-19.	1.2	7
33	Custom sample environments at the ALBA XPEEM. Ultramicroscopy, 2016, 171, 63-69.	1.9	36
34	Room-temperature chiral magnetic skyrmions in ultrathin magnetic nanostructures. Nature Nanotechnology, 2016, 11, 449-454.	31.5	829
35	Atomically Flat Ultrathin Cobalt Ferrite Islands. Advanced Materials, 2015, 27, 5955-5960.	21.0	26
36	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

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37	The ALBA spectroscopic LEEM-PEEM experimental station: layout and performance. Journal of Synchrotron Radiation, 2015, 22, 745-752.	2.4	88
38	Magnetic Anisotropy Engineering in Thin Film Ni Nanostructures by Magnetoelastic Coupling. Physical Review Applied, 2014, 1, .	3.8	85