

Ulrike Martens

List of Publications by Year in descending order

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17
papers

452
citations

840585

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996849

15
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17
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17
docs citations

17
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-wave dynamic control of magnetism. Nature, 2019, 571, 240-244.	13.7	195
2	Light-Induced Metastable Magnetic Texture Uncovered by <i>in situ</i> Lorentz Microscopy. Physical Review Letters, 2017, 118, 097203.	2.9	50
3	Large magneto-Seebeck effect in magnetic tunnel junctions with half-metallic Heusler electrodes. Nature Communications, 2017, 8, 1626.	5.8	43
4	Comparison of laser-induced and intrinsic tunnel magneto-Seebeck effect in $\text{CoFeB}/\text{MgO}/\text{CoFeB}$ and CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2016, 93, .	1.1	26
5	Maghemite nanoparticles stabilize the protein corona formed with transferrin presenting different iron-saturation levels. Nanoscale, 2019, 11, 16063-16070.	2.8	22
6	Frequency-independent Terahertz Anomalous Hall Effect in DyCo_5 , $\text{Co}_{32}\text{Fe}_{68}$, and $\text{Gd}_{27}\text{Fe}_{73}$ Thin Films from DC to 40 THz. Advanced Materials, 2021, 33, e2007398.	11.1	20
7	Singlet Oxygen-induced Phospholipase A ₂ Inhibition: A Major Role for Interfacial Tryptophan Dioxidation. Chemistry - A European Journal, 2021, 27, 14702-14710.	1.7	20
8	Enhancement of thermovoltage and tunnel magneto-Seebeck effect in CoFeB -based magnetic tunnel junctions by variation of the MgAl_2O_4 barrier thickness. Physical Review B, 2017, 96, .	1.1	16
9	3D Micropillars Guide the Mechanobiology of Human Induced Pluripotent Stem Cell-derived Cardiomyocytes. Advanced Healthcare Materials, 2016, 5, 335-341.	3.9	12
10	Anomalous Nernst effect and three-dimensional temperature gradients in magnetic tunnel junctions. Communications Physics, 2018, 1, .	2.0	12
11	Thermal conductivity of thin insulating films determined by tunnel magneto-Seebeck effect measurements and finite-element modeling. Journal Physics D: Applied Physics, 2018, 51, 224006.	1.3	11
12	Deposition of Amorphous Hydrogenated Carbon Nitride Films with a Dielectric Barrier Discharge. Plasma Processes and Polymers, 2012, 9, 647-651.	1.6	9
13	Interaction of fibrinogen-magnetic nanoparticle bioconjugates with integrin reconstituted into artificial membranes. Nanoscale, 2020, 12, 19918-19930.	2.8	9
14	Pumping laser excited spins through MgO barriers. Journal Physics D: Applied Physics, 2017, 50, 144003.	1.3	6
15	Spin-Current Manipulation of Photo-Induced Magnetization Dynamics in Heavy Metal/Ferromagnet Double Layer-Based Nanostructures. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	1
16	Stem Cell Mechanobiology: 3D Micropillars Guide the Mechanobiology of Human Induced Pluripotent Stem Cell-derived Cardiomyocytes (Adv. Healthcare Mater. 3/2016). Advanced Healthcare Materials, 2016, 5, 334-334.	3.9	0
17	Ultrafast Charge and Spin Dynamics in Ferromagnets. , 2020, , .		0