

Robert Streubel

List of Publications by Year in descending order

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46
papers

2,579
citations

331538

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233338

45
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47
all docs

47
docs citations

47
times ranked

3456
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional nanomagnetism. <i>Nature Communications</i> , 2017, 8, 15756.	5.8	398
2	Catalytic Janus Motors on Microfluidic Chip: Deterministic Motion for Targeted Cargo Delivery. <i>ACS Nano</i> , 2012, 6, 3383-3389.	7.3	354
3	Reconfigurable ferromagnetic liquid droplets. <i>Science</i> , 2019, 365, 264-267.	6.0	278
4	Magnetism in curved geometries. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 363001.	1.3	263
5	Fuel-Free Locomotion of Janus Motors: Magnetically Induced Thermophoresis. <i>ACS Nano</i> , 2013, 7, 1360-1367.	7.3	167
6	Retrieving spin textures on curved magnetic thin films with full-field soft X-ray microscopies. <i>Nature Communications</i> , 2015, 6, 7612.	5.8	108
7	Launching a new dimension with 3D magnetic nanostructures. <i>APL Materials</i> , 2020, 8, .	2.2	88
8	Magnetic Microstructure of Rolled-Up Single-Layer Ferromagnetic Nanomembranes. <i>Advanced Materials</i> , 2014, 26, 316-323.	11.1	79
9	Printable Giant Magnetoresistive Devices. <i>Advanced Materials</i> , 2012, 24, 4518-4522.	11.1	74
10	Equilibrium magnetic states in individual hemispherical permalloy caps. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	72
11	Out-of-surface vortices in spherical shells. <i>Physical Review B</i> , 2012, 85, .	1.1	59
12	Magnetic vortices on closely packed spherically curved surfaces. <i>Physical Review B</i> , 2012, 85, .	1.1	52
13	Nanosecond X-Ray Photon Correlation Spectroscopy on Magnetic Skyrmions. <i>Physical Review Letters</i> , 2017, 119, 067403.	2.9	51
14	Magnetically Capped Rolled-up Nanomembranes. <i>Nano Letters</i> , 2012, 12, 3961-3966.	4.5	50
15	Strain-mediated elastic coupling in magnetoelectric nickel/barium-titanate heterostructures. <i>Physical Review B</i> , 2013, 87, .	1.1	47
16	Experimental Evidence of Chiral Ferrimagnetism in Amorphous GdCo Films. <i>Advanced Materials</i> , 2018, 30, e1800199.	11.1	42
17	Manipulating Topological States by Imprinting Non-Collinear Spin Textures. <i>Scientific Reports</i> , 2015, 5, 8787.	1.6	38
18	Imaging of Buried 3D Magnetic Rolled-up Nanomembranes. <i>Nano Letters</i> , 2014, 14, 3981-3986.	4.5	34

#	ARTICLE	IF	CITATIONS
19	Spatial and Temporal Correlations of <i>XY</i> Macro Spins. Nano Letters, 2018, 18, 7428-7434.	4.5	29
20	Magnetism in curved geometries. Journal of Applied Physics, 2021, 129, .	1.1	29
21	Vortex circulation and polarity patterns in closely packed cap arrays. Applied Physics Letters, 2016, 108, .	1.5	23
22	Magnetically Patterned Rolled-Up Exchange Bias Tubes: A Paternoster for Superparamagnetic Beads. ACS Nano, 2016, 10, 8491-8498.	7.3	21
23	ROLLED-UP PERMALLOY NANOMEMBRANES WITH MULTIPLE WINDINGS. Spin, 2013, 03, 1340001.	0.6	20
24	Magnetization dynamics of imprinted non-collinear spin textures. Applied Physics Letters, 2015, 107, .	1.5	20
25	X-ray ptychography on low-dimensional hard-condensed matter materials. Applied Physics Reviews, 2019, 6, 011306.	5.5	20
26	Reconfigurable large-area magnetic vortex circulation patterns. Physical Review B, 2015, 92, .	1.1	19
27	Polarization driven conductance variations at charged ferroelectric domain walls. Nanoscale, 2017, 9, 10933-10939.	2.8	16
28	Vortex circulation patterns in planar microdisk arrays. Applied Physics Letters, 2017, 110, .	1.5	16
29	Generation and stability of structurally imprinted target skyrmions in magnetic multilayers. Applied Physics Letters, 2019, 115, .	1.5	14
30	Ferromagnetic liquid droplets with adjustable magnetic properties. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
31	Chiral Spin Textures in Amorphous Iron-Germanium Thick Films. Advanced Materials, 2021, 33, e2004830.	11.1	13
32	Skyrmion fluctuations at a first-order phase transition boundary. Applied Physics Letters, 2020, 116, .	1.5	12
33	Itinerant ferromagnetism and intrinsic anomalous Hall effect in amorphous iron-germanium. Physical Review B, 2020, 101, .	1.1	10
34	Spontaneous fluctuations in a magnetic Fe/Gd skyrmion lattice. Physical Review Research, 2021, 3, .	1.3	9
35	Perspective: Ferromagnetic Liquids. Materials, 2020, 13, 2712.	1.3	8
36	The effect of Cu additions in FePt-BN-SiO ₂ heat-assisted magnetic recording media. Journal of Physics Condensed Matter, 2021, 33, 104003.	0.7	8

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37	Magnetization reversal and local switching fields of ferromagnetic Co/Pd microtubes with radial magnetization. <i>Physical Review B</i> , 2019, 99, .	1.1	5
38	Hartmann characterization of the PEEM-3 aberration-corrected X-ray photoemission electron microscope. <i>Ultramicroscopy</i> , 2018, 188, 77-84.	0.8	4
39	Evidence of dynamical effects and critical field in a cobalt spin crossover complex. <i>Chemical Communications</i> , 2022, 58, 661-664.	2.2	4
40	Magnetic Materials: Experimental Evidence of Chiral Ferrimagnetism in Amorphous GdCo Films (Adv. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	3
41	Ferromagnetic resonances in single-crystal yttrium iron garnet nanofilms fabricated by metal-organic decomposition. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	3
42	Origin of enhanced anisotropy in FePt-C granular films revealed by XMCD. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	2
43	Textured heterogeneity in square artificial spin ice. <i>Physical Review B</i> , 2019, 99, .	1.1	1
44	Magnetic Materials: Chiral Spin Textures in Amorphous Ironâ€“Germanium Thick Films (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	1
45	Magnetic soft x-ray tomography of magnetic Swiss roll architectures. , 2015, , .		0
46	Magnetic moments and spin structure in single-phase B20 Co _{1+x} Si _{1-x} (xâ€‰=â€‰0.043). <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	0