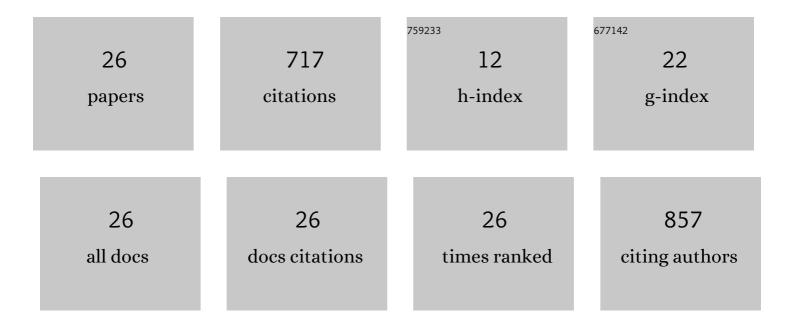
## Oleksii M Volkov

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1075051/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A bimodal soft electronic skin for tactile and touchless interaction in real time. Nature Communications, 2019, 10, 4405.	12.8	188
2	Topologically stable magnetization states on a spherical shell: Curvature-stabilized skyrmions. Physical Review B, 2016, 94, .	3.2	81
3	New Dimension in Magnetism and Superconductivity: 3D and Curvilinear Nanoarchitectures. Advanced Materials, 2022, 34, e2101758.	21.0	65
4	Multiplet of Skyrmion States on a Curvilinear Defect: Reconfigurable Skyrmion Lattices. Physical Review Letters, 2018, 120, 067201.	7.8	64
5	Experimental Observation of Exchange-Driven Chiral Effects in Curvilinear Magnetism. Physical Review Letters, 2019, 123, 077201.	7.8	57
6	Mesoscale Dzyaloshinskii-Moriya interaction: geometrical tailoring of the magnetochirality. Scientific Reports, 2018, 8, 866.	3.3	43
7	Flexible Magnetoreceptor with Tunable Intrinsic Logic for Onâ€5kin Touchless Humanâ€Machine Interfaces. Advanced Functional Materials, 2021, 31, 2101089.	14.9	38
8	Strain Anisotropy and Magnetic Domains in Embedded Nanomagnets. Small, 2019, 15, e1904738.	10.0	30
9	Concept of artificial magnetoelectric materials via geometrically controlling curvilinear helimagnets. Journal Physics D: Applied Physics, 2019, 52, 345001.	2.8	24
10	Fundamentals of Curvilinear Ferromagnetism: Statics and Dynamics of Geometrically Curved Wires and Narrow Ribbons. Small, 2022, 18, e2105219.	10.0	19
11	Localization of magnon modes in a curved magnetic nanowire. Low Temperature Physics, 2018, 44, 634-643.	0.6	17
12	Magnetic vortex-antivortex crystals generated by spin-polarized current. Physical Review B, 2012, 86, .	3.2	13
13	Thermodynamics and Exchange Stiffness of Asymmetrically Sandwiched Ultrathin Ferromagnetic Films with Perpendicular Anisotropy. Physical Review Applied, 2019, 12, .	3.8	13
14	Spin-transfer torque and current-induced vortex superlattices in nanomagnets. Physical Review B, 2011, 84, .	3.2	11
15	Experimental and Theoretical Study of Curvature Effects in Parabolic Nanostripes. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800309.	2.4	11
16	Periodic magnetization structures generated by transverse spin current in magnetic nanowires. Physical Review B, 2013, 87, .	3.2	9
17	Periodic magnetic structures generated by spin–polarized currents in nanostripes. Applied Physics Letters, 2013, 103, 222401.	3.3	8
18	Two Orders of Magnitude Boost in the Detection Limit of Droplet-Based Micro-Magnetofluidics with Planar Hall Effect Sensors. ACS Omega, 2020, 5, 20609-20617.	3.5	7

Oleksii M Volkov

#	Article	IF	CITATIONS
19	From stripes to bubbles: Deterministic transformation of magnetic domain patterns in Co/Pt multilayers induced by laser helicity. Physical Review B, 2020, 102, .	3.2	6
20	Unidirectional tilt of domain walls in equilibrium in biaxial stripes with Dzyaloshinskii–Moriya interaction. Journal Physics D: Applied Physics, 2020, 53, 395003.	2.8	5
21	Domain-Wall Damping in Ultrathin Nanostripes with Dzyaloshinskii-Moriya Interaction. Physical Review Applied, 2021, 15, .	3.8	5
22	Experimental and Theoretical Study of Curvature Effects in Parabolic Nanostripes (Phys. Status Solidi) Tj ETQqO	) 0 rgBT /( 2:4	Overlock 10 T
23	Nanomagnets: Strain Anisotropy and Magnetic Domains in Embedded Nanomagnets (Small 52/2019). Small, 2019, 15, 1970287.	10.0	1

24	Flexible Magnetoreceptors: Flexible Magnetoreceptor with Tunable Intrinsic Logic for Onâ€Skin Touchless Humanâ€Machine Interfaces (Adv. Funct. Mater. 25/2021). Advanced Functional Materials, 2021, 31, 2170184.	14.9	1
25	Effects of a spin-polarized current assisted Ãrsted field in magnetization patterning. Journal of Applied Physics, 2015, 117, 213910.	2.5	0
26	Two Orders of Magnitude Improvement in the Detection Limit of Droplet-Based Micro-Magnetofluidics with Planar Hall Effect Sensors. Engineering Proceedings, 2021, 6, .	0.4	0