

# Viola KÅiÅ¾kovÅi

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Asynchronous current-induced switching of rare-earth and transition-metal sublattices in ferrimagnetic alloys. <i>Nature Materials</i> , 2022, 21, 640-646.	13.3	19
2	Spin-orbit torque switching of magnetic tunnel junctions for memory applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 562, 169692.	1.0	32
3	Interplay of Voltage Control of Magnetic Anisotropy, Spin-Transfer Torque, and Heat in the Spin-Orbit-Torque Switching of Three-Terminal Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , 2021, 15, .	1.5	29
4	Real-time Hall-effect detection of current-induced magnetization dynamics in ferrimagnets. <i>Nature Communications</i> , 2021, 12, 656.	5.8	26
5	Multidomain Memristive Switching of $Pt_{38}MnCoNi$ Multilayers. <i>Physical Review Applied</i> , 2020, 14, .	1.9	10
6	Spin-orbit torque switching of an antiferromagnetic metallic heterostructure. <i>Nature Communications</i> , 2020, 11, 5715.	5.8	49
7	Field-free switching of magnetic tunnel junctions driven by spin-orbit torques at sub-ns timescales. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	43
8	Zero-field propagation of spin waves in waveguides prepared by focused ion beam direct writing. <i>Physical Review B</i> , 2020, 101, .	1.1	15
9	Single-shot dynamics of spin-orbit torque and spin transfer torque switching in three-terminal magnetic tunnel junctions. <i>Nature Nanotechnology</i> , 2020, 15, 111-117.	15.6	167
10	Oxidation dependence of the Dzyaloshinskii-Moriya interaction in $PtCo$ trilayers ( $T_{J\text{ETQ}0} / \text{Overlock} 10 \text{ Tf} 50 372 \text{ Td}$ )	11.3	33
11	Study of the velocity plateau of Dzyaloshinskii domain walls. <i>Physical Review B</i> , 2019, 100, .	1.1	14
12	The growth of metastable fcc Fe <sub>78</sub> Ni <sub>22</sub> thin films on H-Si(100) substrates suitable for focused ion beam direct magnetic patterning. <i>Applied Surface Science</i> , 2019, 469, 747-752.	3.1	3
13	Velocity Enhancement by Synchronization of Magnetic Domain Walls. <i>Physical Review Letters</i> , 2018, 120, 227204.	2.9	35
14	Research Update: Focused ion beam direct writing of magnetic patterns with controlled structural and magnetic properties. <i>APL Materials</i> , 2018, 6, .	2.2	22
15	Large-Voltage Tuning of Dzyaloshinskii-Moriya Interactions: A Route toward Dynamic Control of Skyrmion Chirality. <i>Nano Letters</i> , 2018, 18, 4871-4877.	4.5	173
16	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	40
17	High-resolution fully vectorial scanning Kerr magnetometer. <i>Review of Scientific Instruments</i> , 2016, 87, 053704.	0.6	9