

# Viola KÅiÅ¾Ä¼ÄkovÄ

## List of Publications by Year in descending order

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1089  
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#	ARTICLE	IF	CITATIONS
1	Large-Voltage Tuning of Dzyaloshinskii-Moriya Interactions: A Route toward Dynamic Control of Skyrmion Chirality. Nano Letters, 2018, 18, 4871-4877.	4.5	173
2	Single-shot dynamics of spin-orbit torque and spin transfer torque switching in three-terminal magnetic tunnel junctions. Nature Nanotechnology, 2020, 15, 111-117.	15.6	167
3	Spin-orbit torque switching of an antiferromagnetic metallic heterostructure. Nature Communications, 2020, 11, 5715.	5.8	49
4	Field-free switching of magnetic tunnel junctions driven by spin-orbit torques at sub-ns timescales. Applied Physics Letters, 2020, 116, .	1.5	43
5	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2017, 111, .	1.5	40
6	Velocity Enhancement by Synchronization of Magnetic Domain Walls. Physical Review Letters, 2018, 120, 227204.	2.9	35
7	Oxidation dependence of the Dzyaloshinskii-Moriya interaction in $\text{Pt}/\text{Co}/\text{MnO}_2$ trilayers ( $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 492 Td}$ ) (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" stretchy="false" style="font-family: monospace;">[ $\text{Pt}/\text{Co}/\text{MnO}_2$ ] $\text{Mn}/\text{Ni}$ Multilayers. Physical Review Applied, 2020, 14, .	1.1	33
8	Spin-orbit torque switching of magnetic tunnel junctions for memory applications. Journal of Magnetism and Magnetic Materials, 2022, 562, 169692.	1.0	32
9	Interplay of Voltage Control of Magnetic Anisotropy, Spin-Transfer Torque, and Heat in the Spin-Orbit-Torque Switching of Three-Terminal Magnetic Tunnel Junctions. Physical Review Applied, 2021, 15, .	1.5	29
10	Real-time Hall-effect detection of current-induced magnetization dynamics in ferrimagnets. Nature Communications, 2021, 12, 656.	5.8	26
11	Research Update: Focused ion beam direct writing of magnetic patterns with controlled structural and magnetic properties. APL Materials, 2018, 6, .	2.2	22
12	Asynchronous current-induced switching of rare-earth and transition-metal sublattices in ferrimagnetic alloys. Nature Materials, 2022, 21, 640-646.	13.3	19
13	Zero-field propagation of spin waves in waveguides prepared by focused ion beam direct writing. Physical Review B, 2020, 101, .	1.1	15
14	Study of the velocity plateau of Dzyaloshinskii domain walls. Physical Review B, 2019, 100, .	1.1	14
15	Multidomain Memristive Switching of $\text{Pt}/\text{MnO}_2/\text{Mn}/\text{Ni}$ Multilayers. Physical Review Applied, 2020, 14, .	1.5	10
16	High-resolution fully vectorial scanning Kerr magnetometer. Review of Scientific Instruments, 2016, 87, 053704.	0.6	9
17	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. Applied Surface Science, 2019, 469, 747-752.	3.1	3