

Can Onur Avci

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Spin-Orbit-Torque Efficiency and Magnetic Properties of $\text{Co}_{x}\text{Fe}_{y}\text{B}_{z}$ Multilayers by Stacking Order. <i>Physical Review Applied</i> , 2022, 17, .	3.8	6
2	Accurate extraction of anisotropic spin-orbit torques from harmonic measurements. <i>Applied Physics Letters</i> , 2021, 118, 172403.	3.3	2
3	Spin-orbit torques and magnetotransport properties of $\text{Co}_{x}\text{Fe}_{y}\text{B}_{z}$ multilayers. <i>Physical Review B</i> , 2021, 103, .	3.2	12
4	A two-terminal spin valve device controlled by spin-orbit torques with enhanced giant magnetoresistance. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	5
5	Current-Induced Magnetization Control in Insulating Ferrimagnetic Garnets. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 081007.	1.6	9
6	Chiral Coupling between Magnetic Layers with Orthogonal Magnetization. <i>Physical Review Letters</i> , 2021, 127, 167202.	7.8	31
7	Picosecond switching in a ferromagnet. <i>Nature Electronics</i> , 2020, 3, 660-661.	26.0	3
8	Asymmetric depinning of chiral domain walls in ferromagnetic trilayers. <i>Physical Review B</i> , 2020, 102, .	3.2	4
9	Systematic study of nonmagnetic resistance changes due to electrical pulsing in single metal layers and metal/antiferromagnet bilayers. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	7
10	Nonlocal Detection of Out-of-Plane Magnetization in a Magnetic Insulator by Thermal Spin Drag. <i>Physical Review Letters</i> , 2020, 124, 027701.	7.8	13
11	Properties of $\text{Co}_{x}\text{Fe}_{y}\text{B}_{z}$ multilayers on SiO_2 surfaces on the Electric, Magnetic, and Spin-Orbit Torque Hysteresis Loops. <i>Physical Review Letters</i> , 2020, 124, .	3.8	19
12	Thermal nucleation and high-resolution imaging of submicrometer magnetic bubbles in thin thulium iron garnet films with perpendicular anisotropy. <i>Physical Review Materials</i> , 2020, 4, .	2.4	19
13	Ferromagnetic resonance of perpendicularly magnetized $\text{Tm}_3\text{Fe}_5\text{O}_{12}/\text{Pt}$ heterostructures. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	23
14	Crystal orientation dependence of spin-orbit torques in Co/Pt bilayers. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	21
15	Interface-driven chiral magnetism and current-driven domain walls in insulating magnetic garnets. <i>Nature Nanotechnology</i> , 2019, 14, 561-566.	31.5	132
16	Effects of transition metal spacers on spin-orbit torques, spin Hall magnetoresistance, and magnetic anisotropy of Pt/Co bilayers. <i>Physical Review B</i> , 2019, 100, .	3.2	29
17	Magneto-ionic control of magnetism using a solid-state proton pump. <i>Nature Materials</i> , 2019, 18, 35-41.	27.5	176
18	Origins of the Unidirectional Spin Hall Magnetoresistance in Metallic Bilayers. <i>Physical Review Letters</i> , 2018, 121, 087207.	7.8	74

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19	Magnetism and spin transport in rare-earth-rich epitaxial terbium and europium iron garnet films. Physical Review Materials, 2018, 2, .	2.4	77
20	Interface-Enhanced Spin-Orbit Torques and Current-Induced Magnetization Switching of $\text{Pd}_{\text{mml:mi}} \text{Co}_{\text{mml:mi}}$ Layers. Physical Review Applied, 2017, 7, .	3.8	85
21	A multi-state memory device based on the unidirectional spin Hall magnetoresistance. Applied Physics Letters, 2017, 110, .	3.3	37
22	Spin transport in as-grown and annealed thulium iron garnet/platinum bilayers with perpendicular magnetic anisotropy. Physical Review B, 2017, 95, .	3.2	21
23	$\text{Tm}_{3}\text{Fe}_{5}\text{O}_{12}/\text{Pt}$ Heterostructures with Perpendicular Magnetic Anisotropy for Spintronic Applications. Advanced Electronic Materials, 2017, 3, 1600376.	5.1	112
24	Fast switching and signature of efficient domain wall motion driven by spin-orbit torques in a perpendicular anisotropy magnetic insulator/Pt bilayer. Applied Physics Letters, 2017, 111, .	3.3	55
25	Spatially and time-resolved magnetization dynamics driven by spin-orbit torques. Nature Nanotechnology, 2017, 12, 980-986.	31.5	217
26	Co-sputtered PtMnSb thin films and PtMnSb/Pt bilayers for spin-orbit torque investigations. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600439.	2.4	3
27	Current-induced switching in a magnetic insulator. Nature Materials, 2017, 16, 309-314.	27.5	302
28	Magnetoresistance of heavy and light metal/ferromagnet bilayers. Applied Physics Letters, 2015, 107, .	3.3	76
29	Unidirectional spin Hall magnetoresistance in ferromagnet/normal metal bilayers. Nature Physics, 2015, 11, 570-575.	16.7	305
30	Interplay of spin-orbit torque and thermoelectric effects in ferromagnet/normal-metal bilayers. Physical Review B, 2014, 90, .	3.2	304
31	Ultrafast magnetization switching by spin-orbit torques. Applied Physics Letters, 2014, 105, .	3.3	379
32	Spin-orbit torque magnetization switching of a three-terminal perpendicular magnetic tunnel junction. Applied Physics Letters, 2014, 104, .	3.3	306
33	Fieldlike and antidamping spin-orbit torques in as-grown and annealed Ta/CoFeB/MgO layers. Physical Review B, 2014, 89, .	3.2	164
34	Spin-orbit torques in ferromagnetic heterostructures: fundamentals and applications (presentation) Tj ETQq0 0 0 rgBT /Overclock 10 Tf 50	0.8	0
35	Symmetry and magnitude of spin-orbit torques in ferromagnetic heterostructures. Nature Nanotechnology, 2013, 8, 587-593.	31.5	955
36	Magnetization switching of an MgO/Co/Pt layer by in-plane current injection. Applied Physics Letters, 2012, 100, .	3.3	85