

Samridh Jaiswal

List of Publications by Year in descending order

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21
papers

1,542
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1965
citing authors

#	ARTICLE	IF	CITATIONS
1	Heisenberg Exchange and Dzyaloshinskii-Moriya Interaction in Ultrathin Pt(W)/CoFeB Single and Multilayers. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	9
2	Enhancement of spin Hall conductivity in W-Ta alloy. Applied Physics Letters, 2020, 117, .	3.3	17
3	Spin-orbit torque driven multi-level switching in He+ irradiated W-CoFeB-MgO Hall bars with perpendicular anisotropy. Applied Physics Letters, 2020, 116, .	3.3	19
4	Current induced chiral domain wall motion in CuIr/CoFeB/MgO thin films with strong higher order spin-orbit torques. Applied Physics Letters, 2020, 116, .	3.3	5
5	Electric-Field Control of Spin-Orbit Torques in Perpendicularly Magnetized $W_{1-x}Co_xFeB_{1-y}MgO_y$ Films. Physical Review Letters, 2020, 124, 217701.	7.8	45
6	Antenna-coupled spintronic terahertz emitters driven by a 1550-nm femtosecond laser oscillator. Applied Physics Letters, 2019, 115, .	3.3	48
7	Enhancing domain wall velocity through interface intermixing in W-CoFeB-MgO films with perpendicular anisotropy. Applied Physics Letters, 2019, 115, .	3.3	34
8	Gilbert damping of CoFe-alloys. Journal Physics D: Applied Physics, 2019, 52, 325001.	2.8	10
9	Thermal skyrmion diffusion used in a reshuffler device. Nature Nanotechnology, 2019, 14, 658-661.	31.5	221
10	Tuning of interfacial perpendicular magnetic anisotropy and domain structures in magnetic thin film multilayers. Journal Physics D: Applied Physics, 2019, 52, 295002.	2.8	5
11	Orientation-dependent direct and inverse spin Hall effects in Co ₆₀ Fe ₂₀ B ₂₀ . Physical Review B, 2019, 99, .	3.2	19
12	Effect of DC Electric Field on the Emitted THz Signal of Antenna-Coupled Spintronic Emitters. , 2019, , .		0
13	Spin transport across antiferromagnets induced by the spin Seebeck effect. Journal Physics D: Applied Physics, 2018, 51, 144004.	2.8	32
14	45° sign switching of effective exchange bias due to competing anisotropies in fully epitaxial Co ₃ FeN/MnN bilayers. Journal of Physics Condensed Matter, 2018, 30, 015806.	1.8	2
15	Terahertz spectroscopy for all-optical spintronic characterization of the spin-Hall-effect metals Pt, W and Cu ₈₀ Ir ₂₀ . Journal Physics D: Applied Physics, 2018, 51, 364003.	2.8	78
16	Femtosecond formation dynamics of the spin Seebeck effect revealed by terahertz spectroscopy. Nature Communications, 2018, 9, 2899.	12.8	131
17	High-Performance Flexible Magnetic Tunnel Junctions for Smart Miniaturized Instruments. Advanced Engineering Materials, 2018, 20, 1800471.	3.5	24
18	Investigation of the Dzyaloshinskii-Moriya interaction and room temperature skyrmions in W/CoFeB/MgO thin films and microwires. Applied Physics Letters, 2017, 111, .	3.3	74

#	ARTICLE	IF	CITATIONS
19	Ultrabroadband single-cycle terahertz pulses with peak fields of 300 kV cm^{-1} from a metallic spintronic emitter. Applied Physics Letters, 2017, 110, .	3.3	158
20	Efficient metallic spintronic emitters of ultrabroadband terahertz radiation. Nature Photonics, 2016, 10, 483-488.	31.4	605
21	Magnetization switching behavior with competing anisotropies in epitaxial $\text{Co}/\text{MnO}_2/\text{Co}$ exchange-coupled bilayers. Physical Review B, 2016, 94, .	3.3	10