

# James Lourembam

## List of Publications by Year in descending order

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25  
papers

582  
citations

758635

12  
h-index

642321

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1140  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Versatile Light-Switchable Nanorod Memory: Wurtzite ZnO on Perovskite SrTiO <sub>3</sub> . Advanced Functional Materials, 2013, 23, 4977-4984.	7.8	147
2	Electrostatic Modulation of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface Transport in an Electric Double-Layer Transistor. Advanced Materials Interfaces, 2014, 1, 1300001.	1.9	75
3	Signature of ferroelectricity in magnetically ordered Mo-doped $\text{CoFe}_2\text{O}_4$ . Physical Review B, 2010, 82, .	1.1	65
4	Field-free spin-orbit torque switching of a perpendicular ferromagnet with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2019, 114, .	1.5	39
5	Electric field tuning of phase separation in manganite thin films. Physical Review B, 2014, 89, .	1.1	37
6	New Insights into the Diverse Electronic Phases of a Novel Vanadium Dioxide Polymorph: A Terahertz Spectroscopy Study. Scientific Reports, 2015, 5, 9182.	1.6	37
7	Thickness-Dependent Perpendicular Magnetic Anisotropy and Gilbert Damping in $\text{Hf}/\text{Co}/\text{MgO}$ Multilayers. Physical Review Applied, 2018, 10, .	1.5	26
8	Visualizing the strongly reshaped skyrmion Hall effect in multilayer wire devices. Nature Communications, 2021, 12, 4252.	5.8	21
9	Evidence for Photoinduced Insulator-to-Metal transition in B-phase vanadium dioxide. Scientific Reports, 2016, 6, 25538.	1.6	16
10	Particle size dependence on the structural, transport and optical properties of charge-ordered Pr <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> . Journal of Alloys and Compounds, 2015, 649, 1094-1101.	2.8	14
11	Asymmetric electroresistance of cluster glass state in manganites. Applied Physics Letters, 2014, 104, 133508.	1.5	13
12	A non-collinear double MgO based perpendicular magnetic tunnel junction. Applied Physics Letters, 2018, 113, 022403.	1.5	13
13	Emergent Dynamics of Artificial Spin-Ice Lattice Based on an Ultrathin Ferromagnet. Nano Letters, 2020, 20, 109-115.	4.5	12
14	Role of CoFeB thickness in electric field controlled sub-100 nm sized magnetic tunnel junctions. AIP Advances, 2018, 8, .	0.6	11
15	Skyrmion generation from irreversible fission of stripes in chiral multilayer films. Physical Review Materials, 2020, 4, .	0.9	10
16	Terahertz spintronic magnetometer (TSM). Applied Physics Letters, 2022, 120, .	1.5	10
17	Tuning Damping and Magnetic Anisotropy in Ultrathin Boron-Engineered MgO/Co-Fe-B/MgO Heterostructures. Advanced Electronic Materials, 2021, 7, 2100351.	2.6	7
18	ZnO Nanorods on a LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface: Hybrid 1D-2D Diodes with Engineered Electronic Properties. Small, 2016, 12, 802-809.	5.2	6

#	ARTICLE	IF	CITATIONS
19	Large electric field modulation of magnetic anisotropy in MgO/CoFe/Ta structures with monolayer oxide insertion. Applied Physics Letters, 2018, 113, .	1.5	6
20	Electric-field effect on magnetic anisotropy of MgO/CoFe/capping structures. Journal of Applied Physics, 2019, 126, .	1.1	4
21	Critical Role of Capping Layer in Determining $\langle \mathbf{B} \rangle$ Interfacial Magnetism Revealed by X-Ray Magnetic Circular Dichroism. Physical Review Applied, 2020, 14, .	1.5	4
22	Multi-State Magnetic Tunnel Junction Programmable by Nanosecond Spin-Orbit Torque Pulse Sequence. Advanced Electronic Materials, 2021, 7, 2001133.	2.6	4
23	Design parameters for field-free spin-orbit torque switching of perpendicular synthetic antiferromagnets. Journal of Applied Physics, 2021, 129, 163901.	1.1	4
24	Observation of interacting polaronic gas behavior in Ta-doped TiO2 thin films via terahertz time-domain spectroscopy. Applied Physics Letters, 2020, 117, 261902.	1.5	1
25	Electric-Field-Controlled MRAM: Physics and Applications. , 2021, , 149-173.		0