

# 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	Terahertz spintronic magnetometer (TSM). Applied Physics Letters, 2022, 120, .	1.5	10
2	Electric-Field-Controlled MRAM: Physics and Applications. , 2021, , 149-173.		0
3	Multi- $\pi$ State Magnetic Tunnel Junction Programmable by Nanosecond Spin-Orbit Torque Pulse Sequence. Advanced Electronic Materials, 2021, 7, 2001133.	2.6	4
4	Design parameters for field-free spin-orbit torque switching of perpendicular synthetic antiferromagnets. Journal of Applied Physics, 2021, 129, 163901.	1.1	4
5	Tuning Damping and Magnetic Anisotropy in Ultrathin Boron-Engineered MgO/Co-Fe/B/MgO Heterostructures. Advanced Electronic Materials, 2021, 7, 2100351.	2.6	7
6	Visualizing the strongly reshaped skyrmion Hall effect in multilayer wire devices. Nature Communications, 2021, 12, 4252.	5.8	21
7	Emergent Dynamics of Artificial Spin-Ice Lattice Based on an Ultrathin Ferromagnet. Nano Letters, 2020, 20, 109-115.	4.5	12
8	Critical Role of Capping Layer in Determining $\langle \text{Co} \rangle \langle \text{Fe} \rangle \langle \text{B} \rangle \langle \text{Mg} \rangle \langle \text{O} \rangle$ Interfacial Magnetism Revealed by X-Ray Magnetic Circular Dichroism. Physical Review Applied, 2020, 14, .		4
9	Skyrmion generation from irreversible fission of stripes in chiral multilayer films. Physical Review Materials, 2020, 4, .	0.9	10
10	Observation of interacting polaronic gas behavior in Ta-doped TiO <sub>2</sub> thin films via terahertz time-domain spectroscopy. Applied Physics Letters, 2020, 117, 261902.	1.5	1
11	Electric-field effect on magnetic anisotropy of MgO/CoFe/capping structures. Journal of Applied Physics, 2019, 126, .	1.1	4
12	Field-free spin-orbit torque switching of a perpendicular ferromagnet with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2019, 114, .	1.5	39
13	Role of CoFeB thickness in electric field controlled sub-100 nm sized magnetic tunnel junctions. AIP Advances, 2018, 8, .	0.6	11
14	Large electric field modulation of magnetic anisotropy in MgO/CoFe/Ta structures with monolayer oxide insertion. Applied Physics Letters, 2018, 113, .	1.5	6
15	Thickness-Dependent Perpendicular Magnetic Anisotropy and Gilbert Damping in $\langle \text{Hf} \rangle \langle \text{Co} \rangle \langle \text{Mn} \rangle \langle \text{Mg} \rangle \langle \text{O} \rangle$ Structures. Physical Review Applied, 2018, 10, .		6
16	A non-collinear double MgO based perpendicular magnetic tunnel junction. Applied Physics Letters, 2018, 113, 022403.	1.5	13
17	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
18	Evidence for Photoinduced Insulator-to-Metal transition in B-phase vanadium dioxide. Scientific Reports, 2016, 6, 25538.	1.6	16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Asymmetric electroresistance of cluster glass state in manganites. Applied Physics Letters, 2014, 104, 133508.	1.5	13
22	Electric field tuning of phase separation in manganite thin films. Physical Review B, 2014, 89, .	1.1	37
23	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
24	A Versatile Light-Switchable Nanorod Memory: Wurtzite ZnO on Perovskite SrTiO <sub>3</sub> . Advanced Functional Materials, 2013, 23, 4977-4984.	7.8	147
25	Signature of ferroelectricity in magnetically ordered Mo-doped $\text{CoFe}_2\text{O}_4$ . Physical Review B, 2010, 82, .	1.1	65