Myo Than Htay

List of Publications by Year
in descending order

35	728	471509 17	552781 26
papers	citations	h-index	g-index

35	35	35	755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Forming-free high-endurance Al/ZnO/Al memristor fabricated by dual ion beam sputtering. Applied Physics Letters, 2017, 110, .	3.3	81
2	Realization of synaptic learning and memory functions in Y₂O₃based memristive device fabricated by dual ion beam sputtering. Nanotechnology, 2018, 29, 055203.	2.6	46
3	Large and Uniform Single Crystals of MoS₂ Monolayers for ppb-Level NO₂ Sensing. ACS Applied Nano Materials, 2022, 5, 9415-9426.	5.0	44
4	Growth of ZnO Submicron Single-Crystalline Platelets, Wires, and Rods by Ultrasonic Spray Pyrolysis. Japanese Journal of Applied Physics, 2007, 46, 440-448.	1.5	42
5	S, N Co-Doped Carbon Dot-Functionalized WO₃ Nanostructures for NO₂ and H₂S Detection. ACS Applied Nano Materials, 2022, 5, 2492-2500.	5.0	40
6	Cu₂ZnSnS₄ Thin Film Solar Cells Utilizing Sulfurization of Metallic Precursor Prepared by Simultaneous Sputtering of Metal Targets. Japanese Journal of Applied Physics, 2011, 50, 01BG09.	1.5	39
7	Photocatalytic and Photoelectrochemical Hydrogen Evolution from Water over Cu₂Sn_xGe_{1â€“x}S₃ Particles. Journal of the American Chemical Society, 2021, 143, 5698-5708.	13.7	33
8	Cu₂ZnSnS₄Thin Film Solar Cells Utilizing Sulfurization of Metallic Precursor Prepared by Simultaneous Sputtering of Metal Targets. Japanese Journal of Applied Physics, 2011, 50, 01BG09.	1.5	30
9	Architecture tailoring of MoO3 nanostructures for superior ethanol sensing performance. Materials Research Bulletin, 2019, 109, 281-290.	5.2	29
10	Influence of Ge composition in the Cu2Sn1âˆ’Ge S3 thin-film photovoltaic absorber prepared by sulfurization of laminated metallic precursor. Solar Energy Materials and Solar Cells, 2015, 140, 312-319.	6.2	28
11	A Cadmium-Free Cu₂ZnSnS₄/ZnO Hetrojunction Solar Cell Prepared by Practicable Processes. Japanese Journal of Applied Physics, 2011, 50, 032301.	1.5	27
12	Two-dimensional electron gases in MgZnO/ZnO and ZnO/MgZnO/ZnO heterostructures grown by dual ion beam sputtering. Journal Physics D: Applied Physics, 2018, 51, 13LT02.	2.8	26
13	Ï€-Conjugated Amineâ€“ZnO Nanohybrids for the Selective Detection of CO₂ Gas at Room Temperature. ACS Applied Nano Materials, 2018, 1, 6912-6921.	5.0	26
14	Impact of Schottky junctions in the transformation of switching modes in amorphous Y₂O₃-based memristive system. Journal Physics D: Applied Physics, 2018, 51, 315102.	2.8	25
15	Position-selective growth of ZnO nanowires by ultrasonic spray pyrolysis. Journal of Crystal Growth, 2009, 311, 4499-4504.	1.5	23
16	Cu$_{2}$ZnSn(S$_{x}$Se$_{1-x}$)$_{4}$ Thin-Film Solar Cells Utilizing Simultaneous Reaction of a Metallic Precursor with Elemental Sulfur and Selenium Vapor Sources. Applied Physics Express, 2012, 5, 081201.	2.4	22
17	A Cadmium-Free Cu₂ZnSnS₄/ZnO Hetrojunction Solar Cell Prepared by Practicable Processes. Japanese Journal of Applied Physics, 2011, 50, 032301.	1.5	20
18	Calculating electrical and thermal characteristics of multiple PV array configurations installed in the tropics. Energy Conversion and Management, 2013, 75, 418-424.	9.2	18

#	Article	IF	Citations
19	Synthesis of optical quality ZnO nanowires utilizing ultrasonic spray pyrolysis. Journal of Materials Science: Materials in Electronics, 2009, 20, 341-345.	2.2	16
20	Investigation of DIBS-Deposited CdZnO/ZnO-Based Multiple Quantum Well for Large-Area Photovoltaic Application. IEEE Transactions on Electron Devices, 2020, 67, 5587-5592.	3.0	15
21	Impact of Interfacial SiO₂ on Dual Ion Beam Sputtered Y₂O₃-Based Memristive System. IEEE Nanotechnology Magazine, 2020, 19, 332-337.	2.0	15
22	Photoluminescence Properties and Morphologies of Submicron-Sized ZnO Crystals Prepared by Ultrasonic Spray Pyrolysis. Japanese Journal of Applied Physics, 2008, 47, 541.	1.5	14
23	Electroforming-Free Y₂O₃Memristive Crossbar Array with Low Variability. ACS Applied Electronic Materials, 2022, 4, 3080-3087.	4.3	12
24	Drain Current Optimization in DIBS-Grown MgZnO/CdZnO HFET. IEEE Transactions on Electron Devices, 2020, 67, 2276-2281.	3.0	11
25	Effect of ultrasonically generated water vapor treatment on the Cu2ZnSnS4/CdS heterojunction-based photovoltaic cells. Solar Energy Materials and Solar Cells, 2016, 157, 765-776.	6.2	9
26	Field emission property of ZnO nanowires prepared by ultrasonic spray pyrolysis. Superlattices and Microstructures, 2015, 84, 144-153.	3.1	8
27	Effect of Sb doping in pure phase SnS thin films. Japanese Journal of Applied Physics, 2020, 59, SCCB11.	1.5	7
28	Effects of Na₂S treatment and post-annealing on Sn-rich Cu₂ZnSnS₄-based thin film solar cells. Japanese Journal of Applied Physics, 2020, 59, SCCD03.	1.5	6
29	Synthesis of a cuprite thin film by oxidation of a Cu metal precursor utilizing ultrasonically generated water vapor. Thin Solid Films, 2014, 556, 211-215.	1.8	3
30	Temperature-dependent Raman spectroscopy of Cu2Sn1â˜' x Ge x S3 thin films. Japanese Journal of Applied Physics, 2018, 57, 08RC12.	1.5	3
31	Annealing effect of absorber layer on SnS/CdS heterojunction band alignments. Japanese Journal of Applied Physics, 2022, 61, SB1042.	1.5	3
32	Influence of Substrate Temperature and Sulfurization on Sputtered Cu₂SnGe(S,Se)₃ Thin Films for Solar Cell Application. IEEE Transactions on Electron Devices, 2022, 69, 2488-2493.	3.0	3
33	A Simple Approach in Estimating the Effectiveness of Adapting Mirror Concentrator and Tracking Mechanism for PV Arrays in the Tropics. International Journal of Photoenergy, 2014, 2014, 1-7.	2.5	2
34	CZTS thin film solar cells utilizing sulfurization of metallic precursors. Japanese Journal of Applied Physics, 2020, 59, SCCD05.	1.5	2
35	Optimization of dual ion beam sputtered MQWs for solar cell. , 2021, , .		0