Arief S Budiman

List of Publications by Year
in descending order

11	131	1478505 6	1281871 11
papers	citations	h-index	g-index

11	11	11	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallographic Anisotropy Dependence of Interfacial Sliding Phenomenon in a Cu(16)/Nb(16) ARB (Accumulated Rolling Bonding) Nanolaminate. Nanomaterials, 2022, 12, 308.	4.1	3
2	Smart Dome 4.0: Low-Cost, Independent, Automated Energy System for Agricultural Purposes enabled by Machine Learning. Journal of Physics: Conference Series, 2022, 2224, 012118.	0.4	6
3	Interface-mediated plasticity and fracture in nanoscale Cu/Nb multilayers as revealed by in situ clamped microbeam bending. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 803, 140705.	5.6	8
4	Berkovich nanoindentation study of 16Ânm Cu/Nb ARB nanolaminate: Effect of anisotropy on the surface pileup. MRS Advances, 2021, 6, 495-499.	0.9	3
5	Helicoidally Arranged Polyacrylonitrile Fiber-Reinforced Strong and Impact-Resistant Thin Polyvinyl Alcohol Film Enabled by Electrospinning-Based Additive Manufacturing. Polymers, 2020, 12, 2376.	4.5	15
6	Impact-Resistant and Tough Helicoidally Aligned Ribbon Reinforced Composites with Tunable Mechanical Properties via Integrated Additive Manufacturing Methodologies. ACS Applied Polymer Materials, 2020, 2, 3491-3504.	4.4	12
7	Biomimetic tough helicoidally structured material through novel electrospinning based additive manufacturing. MRS Advances, 2019, 4, 2345-2354.	0.9	7
8	Stress and Fracture of Crystalline Silicon Cells in Solar Photovoltaic Modules â€“ A Synchrotron X-ray Microdiffraction based Investigation. MRS Advances, 2019, 4, 2319-2335.	0.9	5
9	Additive Manufacturing Enabled by Electrospinning for Tougher Bio-Inspired Materials. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.8	12
10	From cells to laminate: probing and modeling residual stress evolution in thin silicon photovoltaic modules using synchrotron Xâ€ray microâ€diffraction experiments and finite element simulations. Progress in Photovoltaics: Research and Applications, 2017, 25, 791-809.	8.1	47
11	Center for Solar Photovoltaics (CPV) at Surya University: Novel and Innovative Solar Photovoltaics System Designs for Tropical and Near-Ocean Regions (An Overview and Research Directions). Procedia Engineering, 2016, 139, 22-31.	1.2	13