

Arief S Budiman

List of Publications by Year in descending order

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11
papers

131
citations

1478505

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1281871

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docs citations

11
times ranked

111
citing authors

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