

# Bentang Arief Budiman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3361311/publications.pdf>

Version: 2024-02-01

50  
papers

528  
citations

758635

12  
h-index

752256

20  
g-index

50  
all docs

50  
docs citations

50  
times ranked

302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clean Co-production of H <sub>2</sub> and power from low rank coal. <i>Energy</i> , 2016, 116, 489-497.	4.5	70
2	Integration of energy-efficient empty fruit bunch drying with gasification/combined cycle systems. <i>Applied Energy</i> , 2015, 139, 188-195.	5.1	58
3	A Review on Drive Train Technologies for Passenger Electric Vehicles. <i>Energies</i> , 2021, 14, 6742.	1.6	33
4	On the Lightweight Structural Design for Electric Road and Railway Vehicles using Fiber Reinforced Polymer Composites – A Review. <i>International Journal of Sustainable Transportation Technology</i> , 2018, 1, 21-29.	0.1	23
5	Low-Cost Air-Cooling System Optimization on Battery Pack of Electric Vehicle. <i>Energies</i> , 2021, 14, 7954.	1.6	23
6	Modeling of stress transfer behavior in fiber-matrix composite under axial and transverse loadings. <i>Composite Interfaces</i> , 2017, 24, 677-690.	1.3	20
7	Evaluation of interfacial strength between fiber and matrix based on cohesive zone modeling. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 211-217.	3.8	17
8	Extended utilization of electric vehicles in electrical grid services. , 2017, , .		16
9	Low-cost floating solar still for developing countries: Prototyping and heat-mass transfer analysis. <i>Results in Engineering</i> , 2021, 12, 100300.	2.2	16
10	Design of an airborne vertical axis wind turbine for low electrical power demands. <i>International Journal of Energy and Environmental Engineering</i> , 2017, 8, 293-301.	1.3	14
11	Electric Vehicles in Malaysia and Indonesia: Opportunities and Challenges. <i>Energies</i> , 2022, 15, 2564.	1.6	14
12	Failure Investigation of Plastic Shredding Machine's Flange Coupling Based on Mechanical Analysis. <i>Indonesian Journal of Science and Technology</i> , 2017, 2, 124.	0.7	13
13	Energy Management System of Electric Bus Equipped with Regenerative Braking and Range Extender. <i>International Journal of Automotive Technology</i> , 2021, 22, 1651-1664.	0.7	13
14	The Role of Interfacial Rigidity to Crack Propagation Path in Fiber Reinforced Polymer Composite. <i>Fibers and Polymers</i> , 2018, 19, 1980-1988.	1.1	12
15	Battery Cells for Electric Vehicles. <i>International Journal of Sustainable Transportation Technology</i> , 2019, 2, 54-57.	0.1	12
16	A new method of evaluating interfacial properties of a fiber/matrix composite. <i>Journal of Composite Materials</i> , 2015, 49, 465-475.	1.2	11
17	Dimensional and Parametric Study on Thermal Behaviour of Li-ion Batteries. , 2018, , .		11
18	Review of Solid-State Battery Technology Progress. , 2019, , .		11

#	ARTICLE	IF	CITATIONS
19	Nonlinear Piezoresistive Behavior of Plain-Woven Carbon Fiber Reinforced Polymer Composite Subjected to Tensile Loading. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1366.	1.3	11
20	Frame modal analysis for an electric three-wheel vehicle. <i>MATEC Web of Conferences</i> , 2018, 197, 08001.	0.1	10
21	The Effects of Rice Husk Particles Size as A Reinforcement Component on Resin-Based Brake Pad Performance: From Literature Review on the Use of Agricultural Waste as A Reinforcement Material, Chemical Polymerization Reaction of Epoxy Resin, to Experiments. <i>Automotive Experiences</i> , 2021, 4, 68-82.	0.5	10
22	Experimental Verification of Interfacial Strength Effect on the Mechanical Properties of Carbon Fiber-Epoxy Composite. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2017, 7, 2226.	0.2	10
23	Structural integrity of lithium-ion pouch battery subjected to three-point bending. <i>Engineering Failure Analysis</i> , 2022, 138, 106307.	1.8	10
24	Evaluation of bonding strength and fracture criterion for aluminum alloy-woven composite adhesive joint based on cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2018, 85, 193-201.	1.4	9
25	Energy Management System Design for Good Delivery Electric Trike Equipped with Different Powertrain Configurations. <i>World Electric Vehicle Journal</i> , 2020, 11, 76.	1.6	9
26	Numerical modeling of microcrack behavior in encapsulation-based self-healing concrete under uniaxial tension. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1847-1853.	0.7	9
27	Mechanical damages in solid electrolyte battery due to electrode volume changes. <i>Journal of Energy Storage</i> , 2022, 52, 104810.	3.9	8
28	Implementation of Electric Vehicle and Grid Integration. , 2018, , .		7
29	Simulation Method for Extended-Range Electric Vehicle Battery State of Charge and Energy Consumption Simulation based on Driving Cycle. , 2019, , .		7
30	Static Analysis of an Electric Three-Wheel Vehicle. , 2018, , .		6
31	The influence of fiber surface profile and roughness to fiber-matrix interfacial properties. <i>Journal of Composite Materials</i> , 2020, 54, 1441-1452.	1.2	4
32	Investigation of Compressive Behavior of Pre-folded Thin-walled Column Fabricated by 3D Printing. <i>Indonesian Journal of Science and Technology</i> , 2021, 6, 543-560.	0.7	4
33	Scalable multi-agent formation control under switching leader-follower directed graph. <i>Asian Journal of Control</i> , 2022, 24, 3175-3189.	1.9	4
34	Fail-safe design and analysis for the guide vane of a hydro turbine. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401665817.	0.8	3
35	Prototyping of Bluetooth-Based Wireless Strain Measurement System for Freight Overload Prevention. , 2019, , .		3
36	Development of Static and Dynamic Online Measurement System for Ground Vehicles. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Measurement of pressure wave speed in stainless-steel pipe generated by water hammer. MATEC Web of Conferences, 2018, 197, 08020.	0.1	2
38	Synthesis of Nanostructured Silicon Nanoparticles for Anodes of Li-Ion Battery. , 2019, , .		2
39	Automotive Real-Time Operating System in Vehicular Technology Progress Review. , 2019, , .		2
40	Experimental investigation of shear stress effect on the flexural behavior of aluminum foam beam. Journal of Mechanical Science and Technology, 2020, 34, 1831-1836.	0.7	2
41	Mechanical properties of pouch battery constituents. AIP Conference Proceedings, 2020, , .	0.3	2
42	Interface damage mechanics in fiber reinforced plastic composite " A review. AIP Conference Proceedings, 2020, , .	0.3	2
43	Prediction of the remaining service lifetime of inflatable rubber dam with deep hole damage. Indonesian Journal of Science and Technology, 2020, 5, 366-381.	0.7	1
44	Rollover Stability Analysis and Layout Optimization of a Delta E-trike. Automotive Experiences, 2022, 5, 137-149.	0.5	1
45	Manufacturing Method of Carbon Fiber Reinforced Plastic with Artificial Damages for Evaluating Electrical Behaviors. , 2021, , .		1
46	Bacterial Cell Inactivation Using a Single-Frequency Batch-Type Ultrasound Device. Indonesian Journal of Science and Technology, 2021, 6, 65-80.	0.7	0
47	OS13-6 Image Processing Technique of Photoelastic Analysis for Evaluating Stress Transfer at Fiber/Matrix Interface(Interface,OS13 Micro- and meso-mechanics of composites,MICRO AND NANO) Tj ETQq1 1 0.784314 rgBT /Overdo Experimental Mechanics Asian Conference on Experimental Mechanics. 2015, 2015.14. 202.	0.0	0
48	The Effect of Micro Damages to Mechanical and Electrical Behaviors of Carbon Fiber Reinforced Polymer: a Review. , 2021, , .		0
49	Finite Element Analysis of Functionally Graded Material for Solid State Battery Application. , 2021, , .		0
50	Review on Manufacturing Methods of Functionally Graded Material of Solid-State Batteries. , 2021, , .		0