

# 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	Scalable multi-agent formation control under switching leader-follower directed graph. <i>Asian Journal of Control</i> , 2022, 24, 3175-3189.	1.9	4
2	Structural integrity of lithium-ion pouch battery subjected to three-point bending. <i>Engineering Failure Analysis</i> , 2022, 138, 106307.	1.8	10
3	Electric Vehicles in Malaysia and Indonesia: Opportunities and Challenges. <i>Energies</i> , 2022, 15, 2564.	1.6	14
4	Rollover Stability Analysis and Layout Optimization of a Delta E-trike. <i>Automotive Experiences</i> , 2022, 5, 137-149.	0.5	1
5	Mechanical damages in solid electrolyte battery due to electrode volume changes. <i>Journal of Energy Storage</i> , 2022, 52, 104810.	3.9	8
6	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
7	Bacterial Cell Inactivation Using a Single-Frequency Batch-Type Ultrasound Device. <i>Indonesian Journal of Science and Technology</i> , 2021, 6, 65-80.	0.7	0
8	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
9	A Review on Drive Train Technologies for Passenger Electric Vehicles. <i>Energies</i> , 2021, 14, 6742.	1.6	33
10	Low-Cost Air-Cooling System Optimization on Battery Pack of Electric Vehicle. <i>Energies</i> , 2021, 14, 7954.	1.6	23
11	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
12	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
13	The Effect of Micro Damages to Mechanical and Electrical Behaviors of Carbon Fiber Reinforced Polymer: a Review. , 2021, , .		0
14	Finite Element Analysis of Functionally Graded Material for Solid State Battery Application. , 2021, , .		0
15	Manufacturing Method of Carbon Fiber Reinforced Plastic with Artificial Damages for Evaluating Electrical Behaviors. , 2021, , .		1
16	Review on Manufacturing Methods of Functionally Graded Material of Solid-State Batteries. , 2021, , .		0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of shear stress effect on the flexural behavior of aluminum foam beam. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1831-1836.	0.7	2
20	Mechanical properties of pouch battery constituents. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
21	Interface damage mechanics in fiber reinforced plastic composite “ A review. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
22	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
23	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
24	Prediction of the remaining service lifetime of inflatable rubber dam with deep hole damage. <i>Indonesian Journal of Science and Technology</i> , 2020, 5, 366-381.	0.7	1
25	Simulation Method for Extended-Range Electric Vehicle Battery State of Charge and Energy Consumption Simulation based on Driving Cycle. , 2019, , .		7
26	Synthesis of Nanostructured Silicon Nanoparticles for Anodes of Li-Ion Battery. , 2019, , .		2
27	Automotive Real-Time Operating System in Vehicular Technology Progress Review. , 2019, , .		2
28	Prototyping of Bluetooth-Based Wireless Strain Measurement System for Freight Overload Prevention. , 2019, , .		3
29	Review of Solid-State Battery Technology Progress. , 2019, , .		11
30	Battery Cells for Electric Vehicles. <i>International Journal of Sustainable Transportation Technology</i> , 2019, 2, 54-57.	0.1	12
31	Development of Static and Dynamic Online Measurement System for Ground Vehicles. , 2018, , .		2
32	Dimensional and Parametric Study on Thermal Behaviour of Li-ion Batteries. , 2018, , .		11
33	Static Analysis of an Electric Three-Wheel Vehicle. , 2018, , .		6
34	Implementation of Electric Vehicle and Grid Integration. , 2018, , .		7
35	Measurement of pressure wave speed in stainless-steel pipe generated by water hammer. <i>MATEC Web of Conferences</i> , 2018, 197, 08020.	0.1	2
36	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

#	ARTICLE	IF	CITATIONS
37	Frame modal analysis for an electric three-wheel vehicle. MATEC Web of Conferences, 2018, 197, 08001.	0.1	10
38	Evaluation of bonding strength and fracture criterion for aluminum alloy-woven composite adhesive joint based on cohesive zone model. International Journal of Adhesion and Adhesives, 2018, 85, 193-201.	1.4	9
39	On the Lightweight Structural Design for Electric Road and Railway Vehicles using Fiber Reinforced Polymer Composites – A Review. International Journal of Sustainable Transportation Technology, 2018, 1, 21-29.	0.1	23
40	Modeling of stress transfer behavior in fiber-matrix composite under axial and transverse loadings. Composite Interfaces, 2017, 24, 677-690.	1.3	20
41	Design of an airborne vertical axis wind turbine for low electrical power demands. International Journal of Energy and Environmental Engineering, 2017, 8, 293-301.	1.3	14
42	Extended utilization of electric vehicles in electrical grid services. , 2017, , .		16
43	Failure Investigation of Plastic Shredding Machine's Flange Coupling Based on Mechanical Analysis. Indonesian Journal of Science and Technology, 2017, 2, 124.	0.7	13
44	Experimental Verification of Interfacial Strength Effect on the Mechanical Properties of Carbon Fiber-Epoxy Composite. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 2226.	0.2	10
45	Evaluation of interfacial strength between fiber and matrix based on cohesive zone modeling. Composites Part A: Applied Science and Manufacturing, 2016, 90, 211-217.	3.8	17
46	Fail-safe design and analysis for the guide vane of a hydro turbine. Advances in Mechanical Engineering, 2016, 8, 168781401665817.	0.8	3
47	Clean Co-production of H2 and power from low rank coal. Energy, 2016, 116, 489-497.	4.5	70
48	Integration of energy-efficient empty fruit bunch drying with gasification/combined cycle systems. Applied Energy, 2015, 139, 188-195.	5.1	58
49	A new method of evaluating interfacial properties of a fiber/matrix composite. Journal of Composite Materials, 2015, 49, 465-475.	1.2	11
50	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 ETQq0 0 0 rgBT /Overlock 10 Tf Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 202.	0.0	0