

# Muhamad Husaini Abu Bakar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4255322/publications.pdf>

Version: 2024-02-01

29  
papers

191  
citations

1684188

5  
h-index

1281871

11  
g-index

31  
all docs

31  
docs citations

31  
times ranked

148  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | First-principle calculations of the effects of intrinsic defects in bilayer graphene as a positive electrode material for aluminum-ion batteries. <i>Materials Today Communications</i> , 2020, 25, 101641. | 1.9 | 6         |
| 2  | Intrusion detection system for automotive Controller Area Network (CAN) bus system: a review. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019, 2019, .                              | 2.4 | 114       |
| 3  | Design and Fabrication of a Magneto-rheological Fluid Based Torque Sensor for Automotive Application. <i>Advanced Structured Materials</i> , 2019, , 101-113.   | 0.5 | 1         |
| 4  | Three Dimensional Simulation of Filling Process for Stacked-Chip Scale Packages. <i>Advanced Structured Materials</i> , 2019, , 1-11.   | 0.5 | 0         |
| 5  | Development of a Capacitor Using a Rubber Based Magneto Rheological Elastomer. <i>Advanced Structured Materials</i> , 2019, , 125-134.  | 0.5 | 0         |
| 6  | Simulation of Crude Palm Oil Dilution in a Palm Oil Mill Using Computational Fluid Dynamics. <i>Chemical Engineering and Technology</i> , 2019, 42, 1797-1804.  | 1.5 | 0         |
| 7  | Synthesis of Polypropylene Solid State Electrolytes for Batteries Using a Polymerization Heat Chamber. <i>Advanced Structured Materials</i> , 2019, , 289-296.  | 0.5 | 0         |
| 8  | Development of a 2-Dof Parallel Kinematics Machine for Macro Scale Products. <i>Advanced Structured Materials</i> , 2019, , 115-124.  | 0.5 | 0         |
| 9  | Effect of the Magnetic Field on Magnetic Particles in Magnetorheological Elastomer Layers. <i>Advanced Structured Materials</i> , 2019, , 135-143.  | 0.5 | 1         |
| 10 | Parametric Study of the Two-Stage Pyrolysis Process for Activated Carbon Preparation from Pithecellobium Jiringa. <i>Advanced Structured Materials</i> , 2019, , 241-251.                                   | 0.5 | 0         |
| 11 | Deep Contractive Autoencoder-Based Anomaly Detection for In-Vehicle Controller Area Network (CAN). <i>Advanced Structured Materials</i> , 2019, , 195-205.  | 0.5 | 13        |
| 12 | The Potential of Improving the Mg-Alloy Surface Quality Using Powder Mixed EDM. <i>Advanced Structured Materials</i> , 2019, , 43-53.   | 0.5 | 5         |
| 13 | Kinetic Modelling of a Particle Grinding Process in a Planetary Ball Mill Jar. <i>Advanced Structured Materials</i> , 2019, , 183-197.  | 0.5 | 0         |
| 14 | Development of an Aluminum-Air Battery Using T6-6061 Anode as Electric Vehicle Power Source. <i>Advanced Structured Materials</i> , 2019, , 225-232.  | 0.5 | 1         |
| 15 | Study the Effect of Acetone as an Inhibitor for the Performance of Aluminium-Air Batteries. <i>Advanced Structured Materials</i> , 2019, , 1-15.  | 0.5 | 1         |
| 16 | Design and Analysis of an Aluminium Ion Battery for Electric Vehicles. <i>Advanced Structured Materials</i> , 2019, , 239-246.  | 0.5 | 0         |
| 17 | Design and Temperature Analysis of an Aluminum-Air Battery Casing for Electric Vehicles. <i>Advanced Structured Materials</i> , 2019, , 207-216.  | 0.5 | 0         |
| 18 | Large Eddy Simulation of Vehicle Aerodynamics Using Parallel Computational Fluids Dynamics. <i>Advanced Structured Materials</i> , 2019, , 199-205.   | 0.5 | 0         |

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|----|---|-----|-----------|
| 19 | Corrosion Analysis of Aluminum-Air Battery Electrode Using Smoothed Particle Hydrodynamics. Advanced Structured Materials, 2019, , 217-224.   | 0.5 | 0         |
| 20 | Analysis of Temperature Distribution Behavior of Motorcycle Brake Pads. Advanced Structured Materials, 2019, , 13-24.   | 0.5 | 0         |
| 21 | Automotive Metallic Component Inspection System Using Square Pulse Thermography. Advanced Structured Materials, 2019, , 247-258.  | 0.5 | 0         |
| 22 | Synthesis and Thermal Characterization of Graphite Polymer Composites for Aluminium Ion Batteries. Advanced Structured Materials, 2019, , 233-238.  | 0.5 | 0         |
| 23 | Study of MSI300 Propeller Characteristics Using Computational Fluid Dynamics Analysis. Advanced Structured Materials, 2018, , 541-549.  | 0.5 | 0         |
| 24 | Vision-Based Positioning System for Magnetorheological Fluid Actuator Using NNARX. Advanced Science Letters, 2017, 23, 4424-4428.   | 0.2 | 0         |
| 25 | Modular Tooling Concept in the Fabrication of the Precision AUV Blade. Applied Mechanics and Materials, 2013, 372, 369-372.   | 0.2 | 0         |
| 26 | Modeling and Control Analysis of URRG Monohull Blimp. Procedia Engineering, 2012, 41, 216-223.  | 1.2 | 4         |
| 27 | Optimum tip gap and orientation of multi-piezofan for heat transfer enhancement of finned heat sink in microelectronic cooling. International Journal of Heat and Mass Transfer, 2012, 55, 5514-5525. | 4.8 | 41        |
| 28 | Mixed-Flow Impeller Characteristics in Baffled Mixing Tank. Advanced Materials Research, 0, 576, 154-161.   | 0.3 | 0         |
| 29 | Twist Springback Measurement of AUV Propeller Blade Based on Profile Deviation. Advanced Materials Research, 0, 512-515, 1840-1844.   | 0.3 | 2         |