

# Abdulrajak Buradi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1329908/publications.pdf>

Version: 2024-02-01

21  
papers

223  
citations

1162367

8  
h-index

996533

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of the effect of turbulence transition on the hemodynamic parameters in human coronary arteries. Cardiovascular Diagnosis and Therapy, 2016, 6, 208-220.	0.7	52
2	Power Plant Energy Predictions Based on Thermal Factors Using Ridge and Support Vector Regressor Algorithms. Energies, 2021, 14, 7254.	1.6	30
3	Study on characterization of mechanical, thermal properties, machinability and biodegradability of natural fiber reinforced polymer composites and its Applications, recent developments and future potentials: A comprehensive review. Materials Today: Proceedings, 2022, 52, 1255-1259.	0.9	21
4	Effect of Stenosis Severity on Wall Shear Stress Based Hemodynamic Descriptors using Multiphase Mixture Theory. Journal of Applied Fluid Mechanics, 2018, 11, 1497-1509.	0.4	19
5	Impact of coronary tortuosity on the artery hemodynamics. Biocybernetics and Biomedical Engineering, 2020, 40, 126-147.	3.3	18
6	Influence of Nanoclay Filler Material on the Tensile, Flexural, Impact, and Morphological Characteristics of Jute/E-Glass Fiber-Reinforced Polyester-Based Hybrid Composites: Experimental, Modeling, and Optimization Study. Journal of Nanomaterials, 2022, 2022, 1-17.	1.5	16
7	EFFECT OF STENOSIS SEVERITY ON SHEAR-INDUCED DIFFUSION OF RED BLOOD CELLS IN CORONARY ARTERIES. Journal of Mechanics in Medicine and Biology, 2019, 19, 1950034.	0.3	13
8	Blends of scum oil methyl ester, alcohols, silver nanoparticles and the operating conditions affecting the diesel engine performance and emission: an optimization study using Dragon fly algorithm. Applied Nanoscience (Switzerland), 2021, 11, 2415-2432.	1.6	13
9	Performance enhancement in tribological properties of lubricants by dispersing TiO <sub>2</sub> nanoparticles. Materials Today: Proceedings, 2021, 47, 6180-6184.	0.9	8
10	Development of 3D Printed Electromyography Controlled Bionic Arm. Lecture Notes in Mechanical Engineering, 2022, , 11-21.	0.3	8
11	Numerical Analysis of Wall Shear Stress Parameters of Newtonian Pulsatile Blood Flow Through Coronary Artery and Correlation to Atherosclerosis. Lecture Notes in Mechanical Engineering, 2020, , 107-118.	0.3	6
12	Experimental design and fabrication of portable hybrid wind and solar energy system. AIP Conference Proceedings, 2021, , .	0.3	4
13	Numerical analysis of rectangular fins with circular perforations. Materials Today: Proceedings, 2021, 47, 6235-6241.	0.9	4
14	Transient Heat Transfer Analysis Of Dimpled Rod. IOP Conference Series: Materials Science and Engineering, 2021, 1065, 012034.	0.3	3
15	Heat transfer enhancement of rectangular fins with circular perforations. Materials Today: Proceedings, 2021, 47, 6185-6191.	0.9	3
16	Design of Injection Mold for Manufacturing of Cup. Lecture Notes in Mechanical Engineering, 2023, , 65-74.	0.3	3
17	Erosion wear behavior of glass fiber hybridized flax and sisal fabric hybrid composites with taguchi experimental design. Materials Today: Proceedings, 2021, 47, 5901-5906.	0.9	2
18	Performance of new dyes along with some semi conductive oxides (ZnO) and analysis of the same. Materials Today: Proceedings, 2021, , .	0.9	0

#	ARTICLE	IF	CITATIONS
19	Preparation of dye (Bala gidda) for DSSC application. Materials Today: Proceedings, 2021, , .	0.9	0
20	Experimental investigation of mechanical properties and sliding wear behavior of poly propylene reinforced epoxy composites with filler material. AIP Conference Proceedings, 2021, , .	0.3	0
21	Nanofluid as a coolant for next generation high heat dissipation electronic devices. International Journal of Renewable Energy Technology, 2017, 8, 410.	0.2	0