Moumen M Idres

List of Publications by Year
in descending order

26 papers	124 citations	1937685 4 h-index	1281871 11 g-index
26 all docs	26 docs citations	26 times ranked	134 citing authors

#	Article	IF	Citations
1	Vehicle fuel consumption and emission modelling: an in-depth literature review. International Journal of Vehicle Systems Modelling and Testing, 2011, 6, 318.	0.1	57
2	Constrained model predictive control of proton exchange membrane fuel cell. Journal of Mechanical Science and Technology, 2014, 28, 3855-3862.	1.5	22
3	Fuel cell starvation control using model predictive technique with Laguerre and exponential weight functions. Journal of Mechanical Science and Technology, 2014, 28, 1995-2002.	1.5	18
4	Effect of Varying Design Options on the Transient Behavior of a Hybrid Rocket Motor. Journal of Aerospace Technology and Management, 2014, 6, 69-82.	0.3	6
5	Improving the efficiency of micronozzle by heated sidewalls. AIP Conference Proceedings, 2012, , .	0.4	3
6	Numerical Investigation of Magnetic Nanoparticles Trajectories for Magnetic Drug Targeting. IOP Conference Series: Materials Science and Engineering, 2017, 184, 012061.	0.6	3
7	Air supply system transient model for proton-exchange membrane fuel cell. International Journal of Vehicle Systems Modelling and Testing, 2011, 6, 396.	0.1	2
8	Two-dimensional flow properties of micronozzle under varied isothermal wall conditions. International Journal of Engineering Systems Modelling and Simulation, 2013, 5, 174.	0.2	2
9	Lateral Side Impact Crash Simulation of Restrained 3 Year Old Child. Applied Mechanics and Materials, 2014, 663, 590-595.	0.2	2
10	Design Optimization of a Hybrid Electric Vehicle Powertrain. IOP Conference Series: Materials Science and Engineering, 2017, 184, 012024.	0.6	2
11	Design optimization of micro air launch vehicle using differential evolution. Journal of Aerospace Technology and Management, 2012, 4, 185-196.	0.3	2
12	Low-dispersion scheme for nonlinear acoustic waves in nonuniform mean flow. , 1997, , .		1
13	The Head Injury Mitigation of an Adult and Child Pedestrian in a Frontal Vehicle Impact Using Response Surface Methodology. Applied Mechanics and Materials, 0, 575, 952-955.	0.2	1
14	Validation of pedestrian impactor testing upon hybrid vehicle front end profile. International Journal of Vehicle Systems Modelling and Testing, 2014, 9, 342.	0.1	1
15	Transient flow in a compressor blade row for a periodic vibration motion. IOP Conference Series: Materials Science and Engineering, 2018, 290, 012055.	0.6	1
16	Aeroacoustic Sensitivity Analysis and Its Application for Noise Barrier Design. , 2002, , .		1
17	Euler computation of jet noise - Instability generated waves and their propagation. , 1998, , .		0
18	Modeling Flutter-Based Microgenerators. , 2012, , .		0

#	Article	IF	Citations
19	One-dimensional analysis of thermoelement exposed to lateral heat transfer as a wall in MEMS-based thermoelectrically controlled micronozzle. International Journal of Engineering Systems Modelling and Simulation, 2012, 4, 163.	0.2	0
20	Hybrid Rocket Performance with Varying Additive Concentrations. , 2013, , .		0
21	Injury Analysis Validation of a Deformable Vehicle Front End Model. Applied Mechanics and Materials, 0, 465-466, 1334-1338.	0.2	0
22	Response Surface Approach for Sensitivity Study of Neck Forces in Restrained Child Occupant during Side-Impact Crash. Applied Mechanics and Materials, 0, 575, 477-480.	0.2	0
23	Neck Moment Characterization of Restrained Child Occupant at Realistic Nontest Standard Higher Impact Speed of 32.2â€‰km/h. International Journal of Vehicular Technology, 2014, 2014, 1-8.	1.1	0
24	Crash Kinematics and Injury Criteria Validation for a Deformable Hybrid Vehicle Model. Applied Mechanics and Materials, 2014, 663, 627-631.	0.2	0
25	Numerical simulation of supersonic and turbulent combustion with transverse sonic fuel injection. International Journal of Engineering Systems Modelling and Simulation, 2015, 7, 35.	0.2	0
26	Numerical simulation and validation of high-speed turbulent and chemically-reacting flows. International Journal of Engineering Systems Modelling and Simulation, 2015, 7, 111.	0.2	0