

Weiqing Xu

List of Publications by Year in descending order

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33
papers

450
citations

623574

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20
g-index

33
all docs

33
docs citations

33
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Part machining feature recognition based on a deep learning method. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 809-821.	4.4	10
2	Feature-Based and Process-Based Manufacturing Cost Estimation. <i>Machines</i> , 2022, 10, 319.	1.2	1
3	Visual-SLAM Classical Framework and Key Techniques: A Review. <i>Sensors</i> , 2022, 22, 4582.	2.1	18
4	Novel assisted cough system based on simulating cough airflow dynamics. <i>Bio-Design and Manufacturing</i> , 2021, 4, 479-489.	3.9	2
5	Water-Spray-Cooled Quasi-Isothermal Compression Method: Water-Spray Flow Improvement. <i>Entropy</i> , 2021, 23, 724.	1.1	6
6	Theoretical study on the application of isothermal compression technology in vapor-compression refrigeration systems with an isothermal piston. <i>Energy Science and Engineering</i> , 2021, 9, 2321-2332.	1.9	3
7	Manufacturing cost estimation based on a deep-learning method. <i>Journal of Manufacturing Systems</i> , 2020, 54, 186-195.	7.6	40
8	A Novel Isothermal Compression Method for Energy Conservation in Fluid Power Systems. <i>Entropy</i> , 2020, 22, 1015.	1.1	10
9	Optimization of Fuel Injection Control System of Two-Stroke Aeroengine of UAV. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	0
10	Numerical Analysis of Airway Mucus Clearance Effectiveness Using Assisted Coughing Techniques. <i>Scientific Reports</i> , 2020, 10, 2030.	1.6	26
11	Various realization methods of machine-part classification based on deep learning. <i>Journal of Intelligent Manufacturing</i> , 2020, 31, 2019-2032.	4.4	7
12	Manufacturing cost estimation based on the machining process and deep-learning method. <i>Journal of Manufacturing Systems</i> , 2020, 56, 11-22.	7.6	34
13	Study of Fuel-Controlled Aircraft Engine for Fuel-Powered Unmanned Aerial Vehicle: Energy Conversion Analysis and Optimization. <i>IEEE Access</i> , 2019, 7, 109246-109258.	2.6	8
14	Experiments on Air Compression with an Isothermal Piston for Energy Storage. <i>Energies</i> , 2019, 12, 3730.	1.6	15
15	Methods to Evaluate and Measure Power of Pneumatic System and Their Applications. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019, 32, .	1.9	26
16	A Novel Method for Automatic Identification of Breathing State. <i>Scientific Reports</i> , 2019, 9, 103.	1.6	13
17	Coupling Effect of Double Lungs on a VCV Ventilator with Automatic Secretion Clearance Function. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1280-1287.	1.9	21
18	Energy conversion characteristics of reciprocating piston quasi-isothermal compression systems using water sprays. <i>Science China Technological Sciences</i> , 2018, 61, 285-298.	2.0	16

#	ARTICLE	IF	CITATIONS
19	Influence of bronchial diameter change on the airflow dynamics based on a pressure-controlled ventilation system. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2929.	1.0	28
20	Influence of Airway Secretion on Airflow Dynamics of Mechanical Ventilated Respiratory System. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1660-1668.	1.9	21
21	The Identification of Sputum Situation Based on the Sound from the Respiratory Tract. , 2018, , .		1
22	Theory and Application of Audio-Based Assessment of Cough. Journal of Sensors, 2018, 2018, 1-10.	0.6	37
23	Study on air flow dynamic characteristic of mechanical ventilation of a lung simulator. Science China Technological Sciences, 2017, 60, 243-250.	2.0	21
24	New advances in EMG control methods of anthropomorphic prosthetic hand. Science China Technological Sciences, 2017, 60, 1978-1979.	2.0	7
25	Research Progress of Related Technologies of Electric-Pneumatic Pressure Proportional Valves. Applied Sciences (Switzerland), 2017, 7, 1074.	1.3	14
26	Multi-body dynamic modeling, simulation and control strategy design of a Y6 tilt rotor UAV. , 2017, , .		0
27	Study on the effect of tilting-rotor structure on the lift of small tilt rotor aircraft. , 2017, , .		3
28	Fuzzy logic speed control for the engine of an air-powered vehicle. Advances in Mechanical Engineering, 2016, 8, 168781401664183.	0.8	15
29	Study on the Dynamics of Local Pressure Boosting Pneumatic System. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	4
30	Dimensionless study on dynamics of pressure controlled mechanical ventilation system. Journal of Mechanical Science and Technology, 2015, 29, 431-439.	0.7	10
31	Working Characteristics of a Mechanical Insufflation-Exsufflation Device. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	6
32	Pressure Dynamic Characteristics of Pressure Controlled Ventilation System of a Lung Simulator. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-10.	0.7	17
33	Modelling and Simulation of Volume Controlled Mechanical Ventilation System. Mathematical Problems in Engineering, 2014, 2014, 1-7.	0.6	10