

Baicun Wang

List of Publications by Year in descending order

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28
papers

1,544
citations

643344

15
h-index

651938

25
g-index

28
all docs

28
docs citations

28
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	GuLiM: A Hybrid Motion Mapping Technique for Teleoperation of Medical Assistive Robot in Combating the COVID-19 Pandemic. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 106-117.	2.1	16
2	Human Digital Twin (HDT) Driven Human-Cyber-Physical Systems: Key Technologies and Applications. Chinese Journal of Mechanical Engineering (English Edition), 2022, 35, .	1.9	40
3	Toward human-centric smart manufacturing: A human-cyber-physical systems (HCPS) perspective. Journal of Manufacturing Systems, 2022, 63, 471-490.	7.6	100
4	Strategic analysis of China's geothermal energy industry. Frontiers of Engineering Management, 2021, 8, 390-401.	3.3	11
5	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. Engineering, 2021, 7, 738-757.	3.2	180
6	Comprehensive Management Strategy of Underground Space Development in China. Strategic Study of CAE, 2021, 23, 126.	0.6	1
7	Industrial Internet-enabled Resilient Manufacturing Strategy in the Wake of COVID-19 Pandemic: A Conceptual Framework and Implementations in China. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	22
8	Understanding the Evolution and Applications of Intelligent Systems via a Tri-X Intelligence (TI) Model. Processes, 2021, 9, 1080.	1.3	3
9	Early event detection in a deep-learning driven quality prediction model for ultrasonic welding. Journal of Manufacturing Systems, 2021, 60, 325-336.	7.6	22
10	Greentelligence: Smart Manufacturing for a Greener Future. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	5
11	Intelligent Manufacturing Systems in COVID-19 Pandemic and Beyond: Framework and Impact Assessment. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	1.9	31
12	Learning and Intelligence in Human-Cyber-Physical Systems: Framework and Perspective. , 2020, , .		9
13	Online quality inspection of ultrasonic composite welding by combining artificial intelligence technologies with welding process signatures. Materials and Design, 2020, 194, 108912.	3.3	40
14	Intelligent welding system technologies: State-of-the-art review and perspectives. Journal of Manufacturing Systems, 2020, 56, 373-391.	7.6	182
15	Human-Cyber-Physical Systems (HCPSs) in the Context of New-Generation Intelligent Manufacturing. Engineering, 2019, 5, 624-636.	3.2	245
16	Toward New-Generation Intelligent Manufacturing. Engineering, 2018, 4, 11-20.	3.2	373
17	Emerging nanogenerator technology in China: A review and forecast using integrating bibliometrics, patent analysis and technology roadmapping methods. Nano Energy, 2018, 46, 322-330.	8.2	67
18	Modeling and inversions of acoustic reflection logging imaging using the combined monopole-dipole measurement mode. Applied Geophysics, 2018, 15, 393-400.	0.1	10

#	ARTICLE	IF	CITATIONS
19	Design and characterization of isothermal chambers filled with gradient-porous materials. Journal of Thermal Science and Technology, 2017, 12, JTST0008-JTST0008.	0.6	3
20	A noninvasive high frequency oscillation ventilator: Achieved by utilizing a blower and a valve. Review of Scientific Instruments, 2016, 87, 025113.	0.6	2
21	Prediction of long-term fatigue life of CFRP composite hydrogen storage vessel based on micromechanics of failure. Composites Part B: Engineering, 2016, 97, 274-281.	5.9	32
22	Numerical configuration design and investigation of heat transfer enhancement in pipes filled with gradient porous materials. Energy Conversion and Management, 2015, 105, 206-215.	4.4	58
23	Thermo-mechanical investigation of composite high-pressure hydrogen storage cylinder during fast filling. International Journal of Hydrogen Energy, 2015, 40, 6853-6859.	3.8	28
24	Development and numerical investigation of novel gradient-porous heat sinks. Energy Conversion and Management, 2015, 106, 1370-1378.	4.4	40
25	Design and acoustical performance investigation of sound absorption structure based on plastic micro-capillary films. Applied Acoustics, 2015, 89, 152-158.	1.7	8
26	Manufacturing Process Design of Multi-Scale Synthetic Leaves Based on Microcapillary Plastic Film. Advanced Materials Research, 2012, 569, 268-272.	0.3	1
27	Influence of injection air pressure on the microcapillary formation within extruded plastic films. Journal of Materials Science, 2012, 47, 8188-8196.	1.7	13
28	Processing Methods: Biomedical Polymers. , 0 , 6795-6802.		2