Baicun Wang

List of Publications by Year
in descending order

28 papers	1,544 citations	567247 15 h-index	580810 25 g-index
28 all docs	28 docs citations	28 times ranked	1093 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.	3.2	16
2	Human Digital Twin (HDT) Driven Human-Cyber-Physical Systems: Key Technologies and Applications. Chinese Journal of Mechanical Engineering (English Edition), 2022, 35, .	3.7	40
3	Toward human-centric smart manufacturing: A human-cyber-physical systems (HCPS) perspective. Journal of Manufacturing Systems, 2022, 63, 471-490.	13.9	100
4	Strategic analysis of Chinaâ€™s geothermal energy industry. Frontiers of Engineering Management, 2021, 8, 390-401.	6.1	11
5	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. Engineering, 2021, 7, 738-757.	6.7	180
6	Comprehensive Management Strategy of Underground Space Development in China. Strategic Study of CAE, 2021, 23, 126.	1.1	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, .	3.7	22
8	Understanding the Evolution and Applications of Intelligent Systems via a Tri-X Intelligence (TI) Model. Processes, 2021, 9, 1080.	2.8	3
9	Early event detection in a deep-learning driven quality prediction model for ultrasonic welding. Journal of Manufacturing Systems, 2021, 60, 325-336.	13.9	22
10	Greentelligence: Smart Manufacturing for a Greener Future. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	5
11	Intelligent Manufacturing Systems in COVID-19 Pandemic and Beyond: Framework and Impact Assessment. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	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.	7.0	40
14	Intelligent welding system technologies: State-of-the-art review and perspectives. Journal of Manufacturing Systems, 2020, 56, 373-391.	13.9	182
15	Humanâ€“Cyberâ€“Physical Systems (HCPSs) in the Context of New-Generation Intelligent Manufacturing. Engineering, 2019, 5, 624-636.	6.7	245
16	Toward New-Generation Intelligent Manufacturing. Engineering, 2018, 4, 11-20.	6.7	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.	16.0	67
18	Modeling and inversions of acoustic reflection logging imaging using the combined monopoleâ€“dipole measurement mode. Applied Geophysics, 2018, 15, 393-400.	0.6	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.	1.1	3
20	A noninvasive high frequency oscillation ventilator: Achieved by utilizing a blower and a valve. Review of Scientific Instruments, 2016, 87, 025113.	1.3	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.	12.0	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.	9.2	58
23	Thermo-mechanical investigation of composite high-pressure hydrogen storage cylinder during fast filling. International Journal of Hydrogen Energy, 2015, 40, 6853-6859.	7.1	28
24	Development and numerical investigation of novel gradient-porous heat sinks. Energy Conversion and Management, 2015, 106, 1370-1378.	9.2	40
25	Design and acoustical performance investigation of sound absorption structure based on plastic micro-capillary films. Applied Acoustics, 2015, 89, 152-158.	3.3	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.	3.7	13
28	Processing Methods: Biomedical Polymers. , 0, , 6795-6802.		2