

Miao Qian

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

383
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	A micro-reactor with micro-pin-fin arrays for hydrogen production via methanol steam reforming. <i>Journal of Power Sources</i> , 2012, 205, 367-376.	7.8	89
2	Effect of tip clearance on the heat transfer and pressure drop performance in the micro-reactor with micro-pin-fin arrays at low Reynolds number. <i>International Journal of Heat and Mass Transfer</i> , 2014, 70, 709-718.	4.8	67
3	Effects of structural parameters on the performance of a micro-reactor with micro-pin-fin arrays (MPFAR) for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17817-17827.	7.1	45
4	A performance study of methanol steam reforming in an A-type microchannel reactor. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17690-17701.	7.1	30
5	An optical fiber sensor based on polyimide coated fiber Bragg grating for measurement of relative humidity. <i>Optical Fiber Technology</i> , 2021, 61, 102406.	2.7	26
6	Fluid flow and heat transfer performance in a micro-reactor with non-uniform micro-pin-fin arrays for hydrogen production at low Reynolds number. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 553-561.	7.1	23
7	Numerical modeling of microchannel reactor with porous surface microstructure based on fractal geometry. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 22447-22457.	7.1	19
8	Deep-learning-based porous media microstructure quantitative characterization and reconstruction method. <i>Physical Review E</i> , 2022, 105, 015308.	2.1	18
9	Flow Manifold Optimization for a Uniform Velocity Distribution in a Laminated Microreactor with Micro-Pin-Fin Arrays. <i>Chemical Engineering and Technology</i> , 2014, 37, 1112-1120.	1.5	14
10	Metal stamping character recognition algorithm based on multi-directional illumination image fusion enhancement technology. <i>Eurasip Journal on Image and Video Processing</i> , 2018, 2018, .	2.6	13
11	Yarn-dyed woven fabric density measurement method and system based on multi-directional illumination image fusion enhancement technology. <i>Journal of the Textile Institute</i> , 2020, 111, 1489-1501.	1.9	9
12	Unsupervised defect detection algorithm for printed fabrics using content-based image retrieval techniques. <i>Textile Research Journal</i> , 2021, 91, 2551-2566.	2.2	8
13	Heat and moisture transfer performance of thin cotton fabric under impingement drying. <i>Textile Research Journal</i> , 2019, 89, 3089-3097.	2.2	6
14	Color segmentation of multicolor porous printed fabrics by conjugating SOM and EDSC clustering algorithms. <i>Textile Research Journal</i> , 2022, 92, 3488-3499.	2.2	5
15	Evaluation of heat generation using a microscopic cutting model with thermo-mechanical coupling for carbon fiber reinforced polymer composites. <i>Journal of Reinforced Plastics and Composites</i> , 2020, 39, 793-804.	3.1	4
16	Advanced Deep Learning-Based Bubbly Flow Image Generator under Different Superficial Gas Velocities. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1531-1543.	3.7	3
17	Effect of Pin Diameter Degressive Gradient on Heat Transfer in a Microreactor with Non-Uniform Pin-Fin Array under Low Reynolds Number Conditions. <i>Energies</i> , 2019, 12, 2702.	3.1	2
18	Fabric Moisture Uniform Control to Study the Influence of Air Impingement Parameters on Fabric Drying Characteristics. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1

#	ARTICLE	IF	CITATIONS
19	Repeat pattern segmentation of print fabric based on adaptive template matching. Journal of Engineered Fibers and Fabrics, 2020, 15, 155892502097328.	1.0	1
20	Study on drying characters of a thin cotton fabric under uneven radial heating by the hot air jet. Drying Technology, 0, , 1-13.	3.1	0