

Xiao-dong Wang

List of Publications by Citations

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53
papers

637
citations

14
h-index

23
g-index

54
ext. papers

844
ext. citations

4.1
avg. IF

4.61
L-index

#	Paper	IF	Citations
53	A Critical Review of Dynamic Wetting by Complex Fluids: From Newtonian Fluids to Non-Newtonian Fluids and Nanofluids. <i>Advances in Colloid and Interface Science</i> , 2016 , 236, 43-62	14.3	108
52	Predictions of unsteady HAWT aerodynamics in yawing and pitching using the free vortex method. <i>Renewable Energy</i> , 2014 , 70, 93-106	8.1	38
51	Analysis of wind turbine blades aeroelastic performance under yaw conditions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017 , 171, 273-287	3.7	36
50	An effective dual-solvent treatment for improving the thermoelectric property of PEDOT:PSS with white graphene. <i>Journal of Materials Science</i> , 2017 , 52, 9806-9818	4.3	32
49	Adsorption removal of natural organic matters in waters using biochar. <i>Bioresource Technology</i> , 2018 , 260, 413-416	11	32
48	Uncertainty-based robust aerodynamic optimization of rotor blades. <i>International Journal for Numerical Methods in Engineering</i> , 2013 , 94, 111-127	2.4	28
47	Stochastic performance evaluation of horizontal axis wind turbine blades using non-deterministic CFD simulations. <i>Energy</i> , 2014 , 73, 126-136	7.9	27
46	The Maximum Spreading Factor for Polymer Nanodroplets Impacting a Hydrophobic Solid Surface. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	26
45	Proteomic researches for lignocellulose-degrading enzymes: A mini-review. <i>Bioresource Technology</i> , 2018 , 265, 532-541	11	26
44	Numerical simulations on the wake effect of H-type vertical axis wind turbines. <i>Energy</i> , 2016 , 106, 691-700	7.9	25
43	Identification of suspicious invasive placentation based on clinical MRI data using textural features and automated machine learning. <i>European Radiology</i> , 2019 , 29, 6152-6162	8	18
42	A systematic review and meta-analysis of fetal outcomes following the administration of influenza A/H1N1 vaccination during pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2018 , 141, 141-150	4	18
41	Dynamic Stall of a Vertical-Axis Wind Turbine and Its Control Using Plasma Actuation. <i>Energies</i> , 2019 , 12, 3738	3.1	16
40	Numerical simulations of flow interactions between steep hill terrain and large scale wind turbine. <i>Energy</i> , 2018 , 151, 740-747	7.9	16
39	Application of polynomial chaos on numerical simulation of stochastic cavity flow. <i>Science China Technological Sciences</i> , 2010 , 53, 2853-2861	3.5	12
38	Numerical analysis of unsteady aerodynamic performance of floating offshore wind turbine under platform surge and pitch motions. <i>Renewable Energy</i> , 2021 , 163, 1849-1870	8.1	12
37	Experimental and Numerical Analysis of the Effect of Vortex Generator Height on Vortex Characteristics and Airfoil Aerodynamic Performance. <i>Energies</i> , 2019 , 12, 959	3.1	11

36	Analysis of the Effect of Vortex Generator Spacing on Boundary Layer Flow Separation Control. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5495	2.6	11
35	Investigations on the Unsteady Aerodynamic Characteristics of a Horizontal-Axis Wind Turbine during Dynamic Yaw Processes. <i>Energies</i> , 2019 , 12, 3124	3.1	10
34	Effects of UPR and ERAD pathway on the prolyl endopeptidase production in <i>Pichia pastoris</i> by controlling of nitrogen source. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 1053-1063	4.2	9
33	Unsteady aerodynamic characteristics of a horizontal wind turbine under yaw and dynamic yawing. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020 , 36, 320-338	2	9
32	A Comprehensive Review on Measurement and Correlation Development of Capillary Pressure for Two-Phase Modeling of Proton Exchange Membrane Fuel Cells. <i>Journal of Chemistry</i> , 2015 , 2015, 1-17	2.3	9
31	Effects of surfactants/stabilizing agents on the microstructure and properties of porous geopolymers by direct foaming. <i>Journal of Asian Ceramic Societies</i> , 2021 , 9, 412-423	2.4	9
30	Effect of Tailing-Edge Thickness on Aerodynamic Noise for Wind Turbine Airfoil. <i>Energies</i> , 2019 , 12, 270	3.1	8
29	Risk scoring system with MRI for intraoperative massive hemorrhage in placenta previa and accreta. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 947-958	5.6	8
28	Size Control Mechanism for Bio-Nanoparticle Fabricated by Electrospray Deposition. <i>Drying Technology</i> , 2015 , 33, 406-413	2.6	7
27	Dynamic expression of corticotropin-releasing hormone and urocortin in estrogen induced-cholestasis pregnant rat. <i>Reproductive Toxicology</i> , 2016 , 65, 179-186	3.4	7
26	Numerical Study of Nacelle Wind Speed Characteristics of a Horizontal Axis Wind Turbine under Time-Varying Flow. <i>Energies</i> , 2019 , 12, 3993	3.1	7
25	Experimental and Numerical Analysis of the Effect of Vortex Generator Installation Angle on Flow Separation Control. <i>Energies</i> , 2019 , 12, 4583	3.1	7
24	Highly heterogeneous interior structure of biofilm wastewater for enhanced pollutant removals. <i>Bioresource Technology</i> , 2019 , 291, 121919	11	5
23	The effect of multi-quantum barrier structure on light-emitting diodes performance by a non-isothermal model. <i>Science Bulletin</i> , 2012 , 57, 3937-3942		5
22	Erosion/Wear Behaviors of High-Chromium Cast Iron with High Nitrogen Content in Water and Slurry and Acid and Slurry. <i>Tribology Transactions</i> , 2020 , 63, 325-335	1.8	5
21	Integrative analysis provides multi-omics evidence for the pathogenesis of placenta percreta. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 13837-13852	5.6	5
20	Self-heating dependent characteristic of GaN-based light-emitting diodes with and without AlGaInN electron blocking layer. <i>Science Bulletin</i> , 2014 , 59, 2460-2469		4
19	An Analytical Model of Thermal Conductivity for Carbon/Carbon Composites with Pitch-Based Matrix. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 242586	1.2	4

18	Disrupted compensatory response mediated by Wolfram syndrome 1 protein and corticotrophin-releasing hormone family peptides in early-onset intrahepatic cholestasis pregnancy. <i>Placenta</i> , 2019 , 83, 63-71	3.4	3
17	Metamodeling-based parametric optimization of DBD plasma actuation to suppress flow separation over a wind turbine airfoil model. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020 , 36, 260-274	2	3
16	Effect of DBD plasma excitation characteristics on turbulent separation over a hump model. <i>Plasma Science and Technology</i> , 2018 , 20, 105503	1.5	3
15	Forced Wetting Dynamics of Sodium Dodecyl Sulfate Glycerol Solution on Solid Substrates. <i>International Journal of Thermophysics</i> , 2013 , 34, 2286-2296	2.1	3
14	Successful deliveries of uterine prolapse in two primigravid women after obstetric management and perinatal care: case reports and literature review. <i>Annals of Palliative Medicine</i> , 2021 , 10, 7019-7027	1.7	3
13	Coalescence-induced jumping of nanodroplets on mixed-wettability superhydrophobic surfaces. <i>Canadian Journal of Physics</i> , 2021 , 99, 297-301	1.1	3
12	Effect of the Coupled PitchYaw Motion on the Unsteady Aerodynamic Performance and Structural Response of a Floating Offshore Wind Turbine. <i>Processes</i> , 2021 , 9, 290	2.9	3
11	Perinatal outcomes in vanishing twin pregnancies following assisted reproductive technology (ART) - a systematic review and meta-analysis. <i>Journal of Perinatal Medicine</i> , 2020 , 48, 639-647	2.7	2
10	Outcome of twin pregnancy in a patient with Gitelman syndrome: a case report and literature review. <i>Annals of Palliative Medicine</i> , 2020 , 9, 2361-2366	1.7	2
9	Investigation of Voids in Polyacrylonitrile Fibers by USAXS and SAXS. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 1070-1075	2.2	1
8	Preface: Wind turbines: aeromechanics and farm optimization. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020 , 36, 257-259	2	1
7	Antiphospholipid Antibodies Increase the Risk of Fetal Growth Restriction: A Systematic Meta-Analysis. <i>International Journal of Clinical Practice</i> , 2022 , 2022, 1-10	2.9	0
6	Constant storage temperature delays firmness decreasing and pectin solubilization of apple during post-harvest storage. <i>Journal of Food Processing and Preservation</i> , 2021 , 45, e15655	2.1	0
5	Effect of prophylactic balloon occlusion of internal iliac artery in pregnancies complicated by placenta previa and accreta. <i>BMC Pregnancy and Childbirth</i> , 2021 , 21, 640	3.2	0
4	Intrahepatic cholestasis of pregnancy and maternal dyslipidemia: a systematic review and meta-analysis. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> ,	3.8	0
3	Double sporadic metal layers as observed by colocated Fe and Na lidars at Wuhan, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2237-2248	2.6	
2	Experimental and Numerical Analysis of the Effect of a New Lightning Protection System on Lightning Protection and Aerodynamic Noise Performance of Wind Turbine Blades. <i>Electronics (Switzerland)</i> , 2019 , 8, 1020	2.6	
1	Stochastic parameterized modeling for aerodynamic design of wind turbine airfoil. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 095765092210830	1.6	

