

# Wen Wang

## List of Publications by Year in descending order

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87  
papers

2,664  
citations

304743

22  
h-index

223800

46  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trade union influence on innovation in the British private sector: Direct and indirect paths. <i>Economic and Industrial Democracy</i> , 2023, 44, 604-627.	1.6	1
2	The End of Meaningful Work in the Not-for-Profit Sector? A Case Study of Ethics in Employee Relations Under the New Business-Like Operation Regime. <i>Journal of Business Ethics</i> , 2022, 181, 1-14.	6.0	6
3	Research on the calibration method of a new multifunctional calibrator based on AACMM. <i>Measurement Science and Technology</i> , 2022, 33, 015005.	2.6	3
4	Analysis of Main Error Sources for the Error Motion Measurement of a Precision Shafting Using a T-Type Capacitive Sensor. <i>Micromachines</i> , 2022, 13, 221.	2.9	1
5	Structural integrity assessment of hydrogen-mixed natural gas pipelines based on a new multi-parameter failure criterion. <i>Ocean Engineering</i> , 2022, 247, 110731.	4.3	23
6	Modeling and compensation for dynamic hysteresis of piezoelectric actuators based on Lissajous Curve. <i>Sensors and Actuators A: Physical</i> , 2022, 335, 113353.	4.1	3
7	Do small firms fare better without a professional human resource manager?. <i>European Management Review</i> , 2022, 19, 625-638.	3.7	1
8	Antibody-free profiling of transcription factor occupancy during early embryogenesis by FitCUT&RUN. <i>Genome Research</i> , 2022, 32, 378-388.	5.5	4
9	Burst Pressure Prediction of Subsea Supercritical CO2 Pipelines. <i>Materials</i> , 2022, 15, 3465.	2.9	1
10	Telescopic ball bar with an indexing joint for measuring machine tool error. <i>Measurement Science and Technology</i> , 2022, 33, 105904.	2.6	2
11	An Innovative Failure Criterion for Metal Cylindrical Shells under Explosive Loads. <i>Materials</i> , 2022, 15, 4376.	2.9	1
12	On-site calibration method of the AACMM based on a high-precision CNC machine tool. <i>Measurement Science and Technology</i> , 2022, 33, 115010.	2.6	2
13	Smarca5-mediated epigenetic programming facilitates fetal HSPC development in vertebrates. <i>Blood</i> , 2021, 137, 190-202.	1.4	24
14	Modeling and Compensation for Asymmetrical and Dynamic Hysteresis of Piezoelectric Actuators Using a Dynamic Delay Prandtl-Ishlinskii Model. <i>Micromachines</i> , 2021, 12, 92.	2.9	10
15	Job stress and employee outcomes: employment practices in a charity. <i>Employee Relations</i> , 2021, 43, 1178-1193.	2.4	4
16	Environmental robustness of the global yeast genetic interaction network. <i>Science</i> , 2021, 372, .	12.6	40
17	Cavitation suppression in the nozzle-flapper valves of the aircraft hydraulic system using triangular nozzle exits. <i>Aerospace Science and Technology</i> , 2021, 112, 106598.	4.8	14
18	On the effect of long corrosion defect and axial tension on the burst pressure of subsea pipelines. <i>Applied Ocean Research</i> , 2021, 111, 102637.	4.1	6

#	ARTICLE	IF	CITATIONS
19	Safety assessment of incomplete penetration defects at the root of girth welds in pipelines. Ocean Engineering, 2021, 230, 109003.	4.3	5
20	Research on improving the measurement accuracy of the AACMM based on indexing joint. Measurement Science and Technology, 2021, 32, 115011.	2.6	4
21	Theoretical analysis of casing collapse in locally expansive mudstone. Journal of Petroleum Science and Engineering, 2021, 203, 108643.	4.2	4
22	Multi-point calibration method for articulated arm coordinate measuring machine based on an observability index. Measurement Science and Technology, 2021, 32, 125013.	2.6	1
23	Global Surface HCHO Distribution Derived from Satellite Observations with Neural Networks Technique. Remote Sensing, 2021, 13, 4055.	4.0	5
24	Modeling and Compensation of Dynamic Hysteresis with Force-Voltage Coupling for Piezoelectric Actuators. Micromachines, 2021, 12, 1366.	2.9	2
25	Theoretical and Numerical Analysis of Blasting Pressure of Cylindrical Shells under Internal Explosive Loading. Journal of Marine Science and Engineering, 2021, 9, 1297.	2.6	2
26	Positioning Errors Measurement of CNC Machine Tools Based on J-DBB Method. Applied Sciences (Switzerland), 2021, 11, 11770.	2.5	3
27	BAME Staff and Public Service Motivation: The Mediating Role of Perceived Fairness in English Local Government. Journal of Business Ethics, 2020, 161, 653-664.	6.0	13
28	High-precision frequency sweeping interferometry for absolute distance measurement using a tunable laser with sweeping range of 88 GHz. Measurement Science and Technology, 2020, 31, 045201.	2.6	2
29	Dynamic burst pressure analysis of cylindrical shells based on average shear stress yield criterion. Thin-Walled Structures, 2020, 148, 106498.	5.3	12
30	A new hysteresis modeling and optimization for piezoelectric actuators based on asymmetric Prandtl-Ishlinskii model. Sensors and Actuators A: Physical, 2020, 316, 112431.	4.1	28
31	Failure pressure analysis of hydrogen storage pipeline under low temperature and high pressure. International Journal of Hydrogen Energy, 2020, 45, 23142-23150.	7.1	14
32	Design and Research on a Nonlinear 2DOF Electromagnetic Energy Harvester With Velocity Amplification. IEEE Access, 2020, 8, 159947-159955.	4.2	5
33	Error Analysis of a Spherical Capacitive Sensor for the Micro-Clearance Detection in Spherical Joints. Micromachines, 2020, 11, 837.	2.9	2
34	Non-Scanning Three-Dimensional Imaging System with a Single-Pixel Detector: Simulation and Experimental Study. Applied Sciences (Switzerland), 2020, 10, 3100.	2.5	3
35	Full-scale measurement of CNC machine tools. International Journal of Advanced Manufacturing Technology, 2020, 107, 2291-2301.	3.0	8
36	Exploring whole-genome duplicate gene retention with complex genetic interaction analysis. Science, 2020, 368, .	12.6	79

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37	Research on Asymmetric Hysteresis Modeling and Compensation of Piezoelectric Actuators with PMPI Model. <i>Micromachines</i> , 2020, 11, 357.	2.9	9
38	Cavitation and flow forces in the flapper-nozzle stage of a hydraulic servo-valve manipulated by continuous minijets. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401985143.	1.6	9
39	Design and Analysis of a Magnetically Coupled Multi-Frequency Hybrid Energy Harvester. <i>Sensors</i> , 2019, 19, 3203.	3.8	11
40	Discovering genetic interactions bridging pathways in genome-wide association studies. <i>Nature Communications</i> , 2019, 10, 4274.	12.8	52
41	A Novel Approach for Detecting Rotational Angles of a Precision Spherical Joint Based on a Capacitive Sensor. <i>Micromachines</i> , 2019, 10, 280.	2.9	7
42	An Improved Capacitive Sensor for Detecting the Micro-Clearance of Spherical Joints. <i>Sensors</i> , 2019, 19, 2694.	3.8	8
43	Piezoelectric wind energy harvesting device based on the inverted cantilever beam with leaf-inspired extensions. <i>AIP Advances</i> , 2019, 9, .	1.3	17
44	Numerical Simulations on Flow Characteristics of a Nozzle-Flapper Servo Valve With Diamond Nozzles. <i>IEEE Access</i> , 2019, 7, 28001-28010.	4.2	11
45	Cavitation reduction of a flapper-nozzle pilot valve using continuous microjets. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 1099-1109.	4.8	19
46	Systematic analysis of complex genetic interactions. <i>Science</i> , 2018, 360, .	12.6	201
47	Modeling and preliminary analysis of piezoelectric energy harvester based on cylindrical tube conveying fluctuating fluid. <i>Meccanica</i> , 2018, 53, 2379-2392.	2.0	7
48	Foreign ownership and job insecurity during the recession: The moderating effect of union density in the UK. <i>Economic and Industrial Democracy</i> , 2018, , 0143831X1880859.	1.6	6
49	A Novel Kinematic Parameters Identification Method for Articulated Arm Coordinate Measuring Machines Using Repeatability and Scaling Factor. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	5
50	A Novel Method for the Micro-Clearance Measurement of a Precision Spherical Joint Based on a Spherical Differential Capacitive Sensor. <i>Sensors</i> , 2018, 18, 3366.	3.8	7
51	Inherited DNA methylation primes the establishment of accessible chromatin during genome activation. <i>Genome Research</i> , 2018, 28, 998-1007.	5.5	54
52	Job insecurity, employee anxiety, and commitment: The moderating role of collective trust in management. <i>Journal of Trust Research</i> , 2018, 8, 220-237.	0.8	24
53	Analysis and Optimization of Trapezoidal Grooved Microchannel Heat Sink Using Nanofluids in a Micro Solar Cell. <i>Entropy</i> , 2018, 20, 9.	2.2	22
54	Race discrimination at work: the moderating role of trade unionism in English local government. <i>Industrial Relations Journal</i> , 2018, 49, 259-277.	1.3	8

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55	Hybrid Optimal Kinematic Parameter Identification for an Industrial Robot Based on BPNN-PSO. Complexity, 2018, 2018, 1-11.	1.6	26
56	The Effects of Political and Fiscal Incentives on Local Government Behavior: An Analysis of Fiscal Slack in China. International Public Management Journal, 2017, 20, 294-315.	2.0	10
57	TheCellMap.org: A Web-Accessible Database for Visualizing and Mining the Global Yeast Genetic Interaction Network. G3: Genes, Genomes, Genetics, 2017, 7, 1539-1549.	1.8	114
58	A Spatial Analysis of Florida County Governments' Unreserved General Fund Balances. Public Budgeting and Finance, 2017, 37, 71-88.	1.0	12
59	A MEMS resonant accelerometer with sensitivity enhancement and adjustment mechanisms. Journal of Micromechanics and Microengineering, 2017, 27, 115010.	2.6	18
60	Features of the Chaperone Cellular Network Revealed through Systematic Interaction Mapping. Cell Reports, 2017, 20, 2735-2748.	6.4	47
61	Employee referrals: A study of "close ties" and career benefits in China. European Management Journal, 2017, 35, 514-522.	5.1	8
62	Development of expression-based biomarkers of Dasatinib response in hematologic malignancies. Blood Cancer Journal, 2017, 7, 652.	6.2	0
63	A T-Type Capacitive Sensor Capable of Measuring 5-DOF Error Motions of Precision Spindles. Sensors, 2017, 17, 1975.	3.8	6
64	Parametric Analysis and Experimental Verification of a Hybrid Vibration Energy Harvester Combining Piezoelectric and Electromagnetic Mechanisms. Micromachines, 2017, 8, 189.	2.9	36
65	An Impact-Based Frequency Up-Converting Hybrid Vibration Energy Harvester for Low Frequency Application. Energies, 2017, 10, 1761.	3.1	11
66	Modeling and Error Compensation of Robotic Articulated Arm Coordinate Measuring Machines Using BP Neural Network. Complexity, 2017, 2017, 1-8.	1.6	16
67	Up For A Challenge (U4C): Stimulating innovation in breast cancer genetic epidemiology. PLoS Genetics, 2017, 13, e1006945.	3.5	3
68	Pathway-based discovery of genetic interactions in breast cancer. PLoS Genetics, 2017, 13, e1006973.	3.5	62
69	Fine-Mapping of 18q21.1 Locus Identifies Single Nucleotide Polymorphisms Associated with Nonsyndromic Cleft Lip with or without Cleft Palate. Frontiers in Genetics, 2016, 7, 88.	2.3	3
70	The Political Economy of Land Finance in China. Public Budgeting and Finance, 2016, 36, 91-110.	1.0	39
71	A global genetic interaction network maps a wiring diagram of cellular function. Science, 2016, 353, .	12.6	979
72	Airborne particulate matter classification and concentration detection based on 3D printed virtual impactor and quartz crystal microbalance sensor. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
73	High-resolution and large dynamic range electrometer with adjustable sensitivity based on micro resonator and electrostatic actuator. , 2016, , .		4
74	The Great Recession and the Use of Fund Balances in North Carolina Counties. , 2015, , 17-32.		9
75	Economic development and farmland protection: An assessment of rewarded land conversion quotas trading in Zhejiang, China. Land Use Policy, 2014, 38, 467-476.	5.6	88
76	Pursuing Equity in Education: Conflicting Views and Shifting Strategies. Journal of Contemporary Asia, 2014, 44, 279-297.	1.7	6
77	A planar capacitive sensor for 2D long-range displacement measurement. Journal of Zhejiang University: Science C, 2013, 14, 252-257.	0.7	7
78	Determinants of Expenditure Decentralization: Evidence from China. World Development, 2013, 46, 176-184.	4.9	53
79	Determinants of Land Finance in China: A Study Based on Provincial Level Panel Data (ä,ä,1/2äœÿäœ°è´cæ”¿çš,,ät³ä®sä»ç1¼säÿä°Žçœ Journal of Public Administration, 2013, 72, 293-303.	1.7	28
80	Fiscal Reform and Public Education Spending: A Quasi-natural Experiment of Fiscal Decentralization in China. Publius, 2012, 42, 334-356.	1.8	55
81	Do Local Governments Save and Spend Across Budget Cycles? Evidence From North Carolina. American Review of Public Administration, 2012, 42, 152-169.	2.3	59
82	Mining Low-Support Discriminative Patterns from Dense and High-Dimensional Data. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 279-294.	5.7	33
83	High-Order SNP Combinations Associated with Complex Diseases: Efficient Discovery, Statistical Power and Functional Interactions. PLoS ONE, 2012, 7, e33531.	2.5	48
84	Does Participatory Budgeting Improve the Legitimacy of the Local Government?: A Comparative Case Study of Two Cities in China (ä,ä,Zä1/4éç,,ç®—æ~ä¼èf1/2æé«~äœ°æ—1æ”¿ä°œçš,,ä•æ³•æ€Si¼ÿ1¼sä,ä¼ä,ä³äÿä,çš,,æ”è¼fæj^ä¼ç” Journal of Public Administration, 2013, 72, 293-303.	1.7	23
85	Impact of Fringe Effect on Measuring Accuracy of Planar Capacitive Sensors. Sensor Letters, 2011, 9, 1458-1461.	0.4	8
86	Pay-as-You-Go Financing and Capital Outlay Volatility: Evidence from the States over Two Recent Economic Cycles. Public Budgeting and Finance, 2009, 29, 90-107.	1.0	30
87	A Planar Capacitive Sensor for Large Scale Measurement. Key Engineering Materials, 2008, 381-382, 509-512.	0.4	3