

Qi Wu

List of Publications by Year in descending order

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78
papers

1,986
citations

201674

27
h-index

276875

41
g-index

79
all docs

79
docs citations

79
times ranked

1945
citing authors

#	ARTICLE	IF	CITATIONS
1	Triode-Mimicking Graphene Pressure Sensor with Positive Resistance Variation for Physiology and Motion Monitoring. ACS Nano, 2020, 14, 10104-10114.	14.6	180
2	Printed Omni-Directional UWB Monopole Antenna With Very Compact Size. IEEE Transactions on Antennas and Propagation, 2008, 56, 896-899.	5.1	135
3	Integrated analysis of phenome, genome, and transcriptome of hybrid rice uncovered multiple heterosis-related loci for yield increase. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6026-E6035.	7.1	126
4	The complete mitochondrial genomes of five important medicinal Ganoderma species: Features, evolution, and phylogeny. International Journal of Biological Macromolecules, 2019, 139, 397-408.	7.5	62
5	Microstructure-based modelling of fracture of particulate reinforced metal matrix composites. Composites Part B: Engineering, 2019, 163, 384-392.	12.0	60
6	Machining of particulate-reinforced metal matrix composites: An investigation into the chip formation and subsurface damage. Journal of Materials Processing Technology, 2019, 274, 116315.	6.3	57
7	Design of a CPW-fed ultrawideband fractal antenna. Microwave and Optical Technology Letters, 2007, 49, 173-176.	1.4	56
8	Reduction in Out-of-Band Antenna Coupling Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2016, 64, 2732-2742.	5.1	53
9	Nonlinear ultrasonic detection for evaluating fatigue crack in metal plate. Structural Health Monitoring, 2019, 18, 869-881.	7.5	52
10	The complete mitochondrial genomes of two model ectomycorrhizal fungi (Laccaria): features, intron dynamics and phylogenetic implications. International Journal of Biological Macromolecules, 2020, 145, 974-984.	7.5	52
11	CHIP Regulates Aquaporin-2 Quality Control and Body Water Homeostasis. Journal of the American Society of Nephrology: JASN, 2018, 29, 936-948.	6.1	49
12	Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2019, 30, 1454-1470.	6.1	49
13	Substrate-Free Multilayer Graphene Electronic Skin for Intelligent Diagnosis. ACS Applied Materials & Interfaces, 2020, 12, 49945-49956.	8.0	43
14	De Novo Assembly and Analysis of Tartary Buckwheat (Fagopyrum tataricum Garetn.) Transcriptome Discloses Key Regulators Involved in Salt-Stress Response. Genes, 2017, 8, 255.	2.4	42
15	On the Performance of Printed Dipole Antenna With Novel Composite Corrugated-Reflectors for Low-Profile Ultrawideband Applications. IEEE Transactions on Antennas and Propagation, 2010, 58, 3839-3846.	5.1	40
16	Pulse Preserving Capabilities of Printed Circular Disk Monopole Antennas With Different Grounds for the Specified Input Signal Forms. IEEE Transactions on Antennas and Propagation, 2007, 55, 2866-2873.	5.1	38
17	A Single-Layer Ultrawideband Microstrip Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 211-214.	5.1	38
18	Phosphatidic acid promotes the activation and plasma membrane localization of MKK7 and MKK9 in response to salt stress. Plant Science, 2019, 287, 110190.	3.6	37

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19	A Novel Reversed T-Match Antenna With Compact Size and Low Profile for Ultrawideband Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 4933-4937.	5.1	36
20	Overexpression of OsDof12 affects plant architecture in rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 2015, 6, 833.	3.6	36
21	Constitutive expression of OsDof4, encoding a C2-C2 zinc finger transcription factor, confers its distinct flowering effects under long- and short-day photoperiods in rice (<i>Oryza sativa</i> L.). <i>BMC Plant Biology</i> , 2017, 17, 166.	3.6	36
22	Quinoa sprouts as potential vegetable source: Nutrient composition and functional contents of different quinoa sprout varieties. <i>Food Chemistry</i> , 2021, 357, 129752.	8.2	34
23	An L-Sleeve L-Monopole Antenna Fitting a Shark-Fin Module for Vehicular LTE, WLAN, and Car-to-Car Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 7170-7180.	6.3	33
24	General Metallic-Dielectric Structures: A Characteristic Mode Analysis Using Volume-Surface Formulations. <i>IEEE Antennas and Propagation Magazine</i> , 2019, 61, 27-36.	1.4	33
25	An ultra-wideband microstrip elliptical slot antenna excited by a circular patch. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 845-846.	1.4	32
26	Characteristic Mode Analysis of Antenna Mutual Coupling in the Near Field. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 3757-3762.	5.1	32
27	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2195-2209.	6.1	31
28	Characteristic Mode Assisted Design of Dielectric Resonator Antennas With Feedings. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 5294-5304.	5.1	28
29	Application of an Optical Fiber Sensor for Nonlinear Ultrasonic Evaluation of Fatigue Crack. <i>IEEE Sensors Journal</i> , 2019, 19, 4992-4999.	4.7	28
30	Relationship between stem characteristics and lodging resistance of Tartary buckwheat (<i>Fagopyrum tataricum</i>). <i>Plant Production Science</i> , 2019, 22, 202-210.	2.0	27
31	Phase-Shifted Fiber Bragg Grating Sensing Network and its Ultrasonic Sensing Application. <i>IEEE Sensors Journal</i> , 2019, 19, 9790-9797.	4.7	24
32	Transcriptome profiling identifies transcription factors and key homologs involved in seed dormancy and germination regulation of <i>Chenopodium quinoa</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 151, 443-456.	5.8	22
33	Cluster analysis of acoustic emission signals for tensile damage characterization of quasi-static indented carbon/glass fiber-reinforced hybrid laminate composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 150, 106597.	7.6	20
34	A Broadband Model of the Characteristic Currents for Rectangular Plates. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013, 55, 725-732.	2.2	17
35	The thiazide sensitive sodium chloride co-transporter NCC is modulated by site-specific ubiquitylation. <i>Scientific Reports</i> , 2017, 7, 12981.	3.3	16
36	Link-Level Analysis of a Multiservice Indoor Distributed Antenna System [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2017, 59, 154-162.	1.4	16

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37	Investigation into the underlying regulatory mechanisms shaping inflorescence architecture in <i>Chenopodium quinoa</i> . <i>BMC Genomics</i> , 2019, 20, 658.	2.8	16
38	Out-of-Band Mutual Coupling Suppression for Microstrip Antennas Using Characteristic Mode Analysis and Shorting Pins. <i>IEEE Access</i> , 2019, 7, 102679-102688.	4.2	16
39	Post-Anthesis Photosynthetic Properties Provide Insights into Yield Potential of Tartary Buckwheat Cultivars. <i>Agronomy</i> , 2019, 9, 149.	3.0	15
40	Dysregulation of Principal Cell miRNAs Facilitates Epigenetic Regulation of AQP2 and Results in Nephrogenic Diabetes Insipidus. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1339-1354.	6.1	15
41	PULSE PRESERVING CAPABILITIES OF PRINTED CIRCULAR DISK MONOPOLE ANTENNAS WITH DIFFERENT SUBSTRATES. <i>Progress in Electromagnetics Research</i> , 2008, 78, 349-360.	4.4	14
42	The Cl ⁻ /HCO ₃ ⁻ exchanger pendrin is downregulated during oral co-administration of exogenous mineralocorticoid and KCl in patients with primary aldosteronism. <i>Journal of Human Hypertension</i> , 2021, 35, 837-848.	2.2	14
43	Genome-wide analysis of the NF-Y gene family and their roles in relation to fruit development in Tartary buckwheat (<i>Fagopyrum tataricum</i>). <i>International Journal of Biological Macromolecules</i> , 2021, 190, 487-498.	7.5	14
44	Characteristic Mode Analysis of Composite Metallic-Dielectric Structures Using Impedance Boundary Condition. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 7415-7424.	5.1	13
45	Duality Principle of Characteristic Modes for the Analysis and Design of Aperture Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 2807-2817.	5.1	12
46	Characterization of the transcriptional profiles in common buckwheat (<i>Fagopyrum esculentum</i>) under PEG-mediated drought stress. <i>Electronic Journal of Biotechnology</i> , 2019, 39, 42-51.	2.2	12
47	Origin and Precambrian paleogeography of the North Wulan terrane, northwestern China: A coherent model of the Tarim-Qilian-Quanji continent during the Columbia-Rodinia supercontinent cycle. <i>Gondwana Research</i> , 2022, 101, 132-155.	6.0	11
48	Integrating transcriptome and physiological analyses to elucidate the molecular responses of buckwheat to graphene oxide. <i>Journal of Hazardous Materials</i> , 2022, 424, 127443.	12.4	11
49	Compact CPW-fed stacked-circle monopole antenna with very wide bandwidth. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 1192-1194.	1.4	10
50	Characteristic Mode Assisted Placement of Antennas for the Isolation Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 251-254.	4.0	10
51	Composite forming simulation of a three-dimensional representative model with random fiber distribution. <i>Computational Materials Science</i> , 2020, 182, 109780.	3.0	9
52	An in vivo protein landscape of the mouse DCT during high dietary K ⁺ or low dietary Na ⁺ intake. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F908-F921.	2.7	9
53	Nonplanar Dipole Antennas for Low-Profile Ultrawideband Applications: Design, Modeling, and Implementation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 897-900.	4.0	8
54	On the Broadband Reflector-Backed Dipole Antennas With Wide Beamwidth for the EMC Tests of Large Equipment Above 1 GHz. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013, 55, 999-1006.	2.2	8

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55	On the Eigenmodes of Small Conducting Objects. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1667-1670.	4.0	8
56	Glycoprotein recognition by water-compatible core-shell polymeric submicron particles. Journal of Materials Chemistry B, 2015, 3, 3927-3930.	5.8	8
57	Field Distortion and Optimization of a Vapor Cell in Rydberg Atom-Based Radio-Frequency Electric Field Measurement. Sensors, 2018, 18, 3205.	3.8	8
58	Identification of the specific long-noncoding RNAs involved in night-break mediated flowering retardation in Chenopodium quinoa. BMC Genomics, 2021, 22, 284.	2.8	8
59	Nitrate dose-responsive transcriptome analysis identifies transcription factors and small secreted peptides involved in nitrogen response in Tartary buckwheat. Plant Physiology and Biochemistry, 2021, 162, 1-13.	5.8	7
60	Label-free quantification of differentially expressed proteins in mouse liver cancer cells with high and low metastasis rates by a SWATH acquisition method. Science China Chemistry, 2014, 57, 718-722.	8.2	4
61	π -Phase-Shifted Fiber Bragg Grating for Strain Measurement With High Spatial Resolution. IEEE Photonics Technology Letters, 2019, 31, 1335-1338.	2.5	4
62	Investigation of residual stresses induced by composite forming using macro-micro simulation. Journal of Reinforced Plastics and Composites, 2020, 39, 654-664.	3.1	4
63	Urinary proteomics for kidney dysfunction: insights and trends. Expert Review of Proteomics, 2021, 18, 437-452.	3.0	4
64	Simulating the Effect of Temperature Gradient on Grain Growth of 6061-T6 Aluminum Alloy via Monte Carlo Potts Algorithm. CMES - Computer Modeling in Engineering and Sciences, 2021, 129, 99-116.	1.1	4
65	Genome-wide identification of genes involved in heterotrimeric G-protein signaling in Tartary buckwheat (Fagopyrum tataricum) and their potential roles in regulating fruit development. International Journal of Biological Macromolecules, 2021, 171, 435-447.	7.5	4
66	Dynamic transcriptome and co-expression analysis suggest the potential roles of small secreted peptides from Tartary buckwheat (Fagopyrum tataricum) in low nitrogen stress response. Plant Science, 2021, 313, 111091.	3.6	4
67	Acute intravenous NaCl and volume expansion reduces NCC abundance and phosphorylation in urinary extracellular vesicles. Kidney360, 0, , 10.34067/KID.0000362022.	2.1	4
68	Nonsingular cylindrical cloaks with internal-external invisible regions. Journal of Optics (United Kingdom), 2012, 14, 022202.	2.2	3
69	Design of a Low-Profile Antenna for Use with 698-2,700 MHz Femtocell Base Stations [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 84-94.	1.4	3
70	SUMOylation Landscape of Renal Cortical Collecting Duct Cells. Journal of Proteome Research, 2019, 18, 3640-3648.	3.7	3
71	Time Domain Characteristic Mode Analysis for Transmission Problems. IEEE Open Journal of Antennas and Propagation, 2020, 1, 339-349.	3.7	3
72	A Broadband Balun With Tunable Phase-Shifting Function for Low-Cost Phased Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 278-287.	5.1	3

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73	A systems-level analysis of bile acids effects on rat colon epithelial cells. American Journal of Physiology - Renal Physiology, 2021, , .	3.4	3
74	Characterization of the first complete chloroplast genome of <i>Amaranthus hybridus</i> (Caryophyllales: Amaranthaceae) with phylogenetic implications. Mitochondrial DNA Part B: Resources, 2021, 6, 3306-3308.	0.4	3
75	Modified circular monopole antenna with improved transmission performance for UWB communications. Microwave and Optical Technology Letters, 2008, 50, 1285-1289.	1.4	2
76	Ultra-wideband quasi-circular monopole antennas with rectangular and trapezoidal grounds. IET Microwaves, Antennas and Propagation, 2009, 3, 55.	1.4	2
77	Novel Multilayer Dipoles for Wireless Inter-/Intraconnects. IEEE Transactions on Electron Devices, 2010, 57, 305-311.	3.0	2
78	Design of a dual-polarized aperture array for 6–18 GHz applications. AEU - International Journal of Electronics and Communications, 2022, 154, 154332.	2.9	0