

# Jin Huang

## List of Publications by Year in descending order

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78  
papers

700  
citations

687363

13  
h-index

713466

21  
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78  
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78  
docs citations

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times ranked

983  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis Method of Bending Effect on Transmission Characteristics of Ultra-Low-Profile Rectangular Microstrip Antenna. <i>Sensors</i> , 2022, 22, 602.	3.8	5
2	The Driving Waveform Design Method of Power-Law Fluid Piezoelectric Printing Based on Iterative Learning Control. <i>Sensors</i> , 2022, 22, 935.	3.8	2
3	Genome Resource of <i>Pseudomonas chlororaphis</i> L5734: A Bacterium Antagonistic to the Mulberry Gray Mold Pathogen <i>Botrytis cinerea</i> . <i>Plant Disease</i> , 2022, 106, 1049-1051.	1.4	0
4	Risk Factors of Silicosis Progression: A Retrospective Cohort Study in China. <i>Frontiers in Medicine</i> , 2022, 9, 832052.	2.6	9
5	Locations optimization of multiple cable-drivers for an anti-wind disturbance system in large antenna. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 774-785.	2.1	1
6	Obstetric and neonatal outcomes after the transfer of vitrified-warmed blastocysts developing from nonpronuclear and monopronuclear zygotes: a retrospective cohort study. <i>Fertility and Sterility</i> , 2021, 115, 110-117.	1.0	19
7	Tolerance analysis of 3D printed patch antennas based on interval arithmetic. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 516-524.	1.4	4
8	Modelling of Power-Law Fluid Flow Inside a Piezoelectric Inkjet Printhead. <i>Sensors</i> , 2021, 21, 2441.	3.8	4
9	Chromosome Screening of Human Preimplantation Embryos by Using Spent Culture Medium: Sample Collection and Chromosomal Ploidy Analysis. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	6
10	A-to-I mRNA Editing in a Ferric Siderophore Receptor Improves Competition for Iron in <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0157121.	3.0	5
11	Aromatic glycosides from the aerial part of <i>Bupleurum chinense</i> . <i>Journal of Asian Natural Products Research</i> , 2021, , 1-8.	1.4	2
12	Heterovalent Ga <sup>3+</sup> doping in solution-processed Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> solar cells for better optoelectronic performance. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1621-1629.	4.9	16
13	A novel pathogenic mutation in FBN2 associated with congenital contractural arachnodactyly for preimplantation genetic diagnosis. <i>Journal of Genetics and Genomics</i> , 2020, 47, 281-284.	3.9	1
14	Loss of proton/calcium exchange 1 results in the activation of plant defense and accelerated senescence in <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 296, 110472.	3.6	5
15	Real-Time Estimation of Wind-Induced Pointing Error via Accelerations Measurement for Large Reflector Antenna. <i>IEEE Access</i> , 2020, 8, 71812-71820.	4.2	2
16	Inkjet Printed Conductive Pattern and Closed Loop Flash Sintering for Microstrip Antenna. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 78-83.	0.4	0
17	A pointing error analysis model for large reflector antennas under wind disturbance. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 1939-1951.	2.1	2
18	Empty Pericarp21 encodes a novel PPR-DYW protein that is required for mitochondrial RNA editing at multiple sites, complexes I and V biogenesis, and seed development in maize. <i>PLoS Genetics</i> , 2019, 15, e1008305.	3.5	31

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19	Sex Disparity in Severity of Lung Lesions in Newly Identified Tuberculosis Is Age-Associated. <i>Frontiers in Medicine</i> , 2019, 6, 163.	2.6	8
20	An Adaptive Proper Orthogonal Decomposition Method for Evaluating Variability Bounds of Antenna Responses. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1907-1911.	4.0	5
21	A New Adaptive System for Suppression of Transient Wind Disturbance in Large Antennas. <i>International Journal of Antennas and Propagation</i> , 2019, 2019, 1-13.	1.2	6
22	3D-Printed Conformal Array Patch Antenna Using a Five-Axes Motion Printing System and Flash Light Sintering. <i>3D Printing and Additive Manufacturing</i> , 2019, 6, 118-125.	2.9	13
23	Adaptive Compensation of Flexible Skin Antenna With Embedded Fiber Bragg Grating. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4385-4396.	5.1	12
24	Effect of processing parameters on laser sintering of silver MOD inks for inkjet printing. <i>IET Collaborative Intelligent Manufacturing</i> , 2019, 1, 10-19.	3.3	7
25	Antenna control systems for flexible structure under a wind load. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 3050-3059.	2.1	4
26	Reconstruction of vibration-deformation-induced pointing error via optimized acceleration measurement points for large reflector antennas. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 3417-3428.	2.1	4
27	Fast Pattern Calculation of Rib Reflectors With Varying Surface Distortions. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 1198-1207.	5.1	6
28	Development of a path planning algorithm for reduced dimension patch printing conductive pattern on surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 1645-1654.	3.0	9
29	Compensation of vibration-induced pointing error caused by wind disturbances in large antenna. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 4289-4300.	2.1	2
30	Nonlinear dynamic modeling and adaptive sliding control of the milling head for efficient and powerful machining. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 381-393.	2.4	2
31	Deformation analysis and experiments for functional surface of composite antenna structure. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 895-907.	2.1	4
32	Active vibration control of large space flexible slewing truss using cable actuator with input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 504-518.	3.7	3
33	Multi-Field-Coupled Model and Solution of Active Electronically Scanned Array Antenna Based on Model Reconstruction. <i>International Journal of Antennas and Propagation</i> , 2018, 2018, 1-12.	1.2	4
34	Efficient Computation of Real-Time Distorted Conformal Load-Bearing Antenna Structure Under Dynamic Mechanical Load Based on Modal Superposition. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2018, 3, 246-254.	2.2	5
35	Haar Wavelet Method for Nonlinear Vibration of Functionally Graded CNT-Reinforced Composite Beams Resting on Nonlinear Elastic Foundations in Thermal Environment. <i>Shock and Vibration</i> , 2018, 2018, 1-15.	0.6	6
36	Sex influences the association between haemostasis and the extent of lung lesions in tuberculosis. <i>Biology of Sex Differences</i> , 2018, 9, 44.	4.1	13

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37	A Correction Method of Estimating the Pointing Error for Reflector Antenna. <i>Shock and Vibration</i> , 2018, 2018, 1-12.	0.6	6
38	Structure design and rotation control of the disc milling head in blisk manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 2121-2133.	3.0	9
39	Nonlinear dynamics of the milling head drive mechanism in five-axis CNC machine tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 3195-3210.	3.0	7
40	An Approach to the Synthesis of 1-Propenyl-naphthols and 3-Arylnaphtho[2,1- <i>b</i> ]furans. <i>Journal of Organic Chemistry</i> , 2017, 82, 2523-2534.	3.2	13
41	Combination of RuCl <sub>3</sub> ·xH <sub>2</sub> O with PEG as a simple and recyclable catalytic system for direct arylation of heteroarenes via C-H bond activation. <i>RSC Advances</i> , 2017, 7, 23515-23522.	3.6	16
42	A formulation of tooth deformation and its error compensation for worm gear transmission mechanisms. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 1518-1539.	2.1	1
43	Development and coupling analysis of active skin antenna. <i>Smart Materials and Structures</i> , 2017, 26, 025011.	3.5	11
44	Wrinkling reduction of membrane structure by trimming edges. <i>AIP Advances</i> , 2017, 7, .	1.3	4
45	Free vibration of functionally graded carbon nanotube-reinforced conical panels integrated with piezoelectric layers subjected to elastically restrained boundary conditions. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401771181.	1.6	16
46	Design, Fabrication, and Testing of Active Skin Antenna with 3D Printing Array Framework. <i>International Journal of Antennas and Propagation</i> , 2017, 2017, 1-15.	1.2	7
47	ECAT1 is essential for human oocyte maturation and pre-implantation development of the resulting embryos. <i>Scientific Reports</i> , 2016, 6, 38192.	3.3	12
48	Palladium-Catalyzed Domino Reaction of Two Aryl Iodides Involving C-H Activation Processes: Efficient Synthesis of Fused Polycycles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5616-5619.	2.4	13
49	An Active Pointing Compensator for Large Beam Waveguide Antenna Under Wind Disturbance. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 860-871.	5.8	15
50	Performance of structurally integrated antennas subjected to dynamical loads. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015, 48, 409-422.	0.6	12
51	A Simple and Efficient Access to Naphtho[ <i>b</i> ]furans by Claisen Rearrangement/Cyclization of Bromonaphthyl 3-Phenylallyl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2442-2446.	4.3	14
52	Global transcriptome analysis of peripheral blood identifies the most significantly down-regulated genes associated with metabolism regulation in Klinefelter syndrome. <i>Molecular Reproduction and Development</i> , 2015, 82, 17-25.	2.0	26
53	Live births after simultaneous avoidance of monogenic diseases and chromosome abnormality by next-generation sequencing with linkage analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15964-15969.	7.1	115
54	Analysis of Reflector Vibration-Induced Pointing Errors for Large Antennas Subject to Wind Disturbance: Evaluating the pointing error caused by reflector deformation. <i>IEEE Antennas and Propagation Magazine</i> , 2015, 57, 46-61.	1.4	22

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55	Hybrid modeling of microwave devices using multi-kernel support vector regression with prior knowledge. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2015, 25, 219-228.	1.2	11
56	Effect of fluoride on the biosynthesis of catechins in tea [ <i>Camellia sinensis</i> (L.) O. Kuntze] leaves. <i>Scientia Horticulturae</i> , 2015, 184, 78-84.	3.6	24
57	Incorporating prior knowledge and multi-kernel into linear programming support vector regression. <i>Soft Computing</i> , 2015, 19, 2047-2061.	3.6	7
58	Electromechanical co-design and experiment of structurally integrated antenna. <i>Smart Materials and Structures</i> , 2015, 24, 037004.	3.5	21
59	Improving the nonlinear proportional-derivative control for an MEMS torsional mirror with parametric uncertainties. <i>Optical Engineering</i> , 2015, 54, 077103.	1.0	1
60	SLX2 interacting with BLOS2 is differentially expressed during mouse oocyte meiotic maturation. <i>Cell Cycle</i> , 2014, 13, 2230-2236.	2.6	11
61	BodyRC: Exploring Interaction Modalities Using Human Body as Lossy Signal Transmission Medium. , 2014, , .		4
62	Defining and Analyzing a Gesture Set for Interactive TV Remote on Touchscreen Phones. , 2014, , .		1
63	Evaluation of syphilis serostatus on the safety of IVF treatment. <i>Reproductive BioMedicine Online</i> , 2014, 29, 756-760.	2.4	3
64	Multistep-shaping control based on the static and dynamic behavior of nonlinear optical torsional micromirror. <i>Optical Engineering</i> , 2014, 53, 057109.	1.0	5
65	Improving the Validity of Squeeze Film Air-Damping Model of MEMS Devices with Border Effect. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-7.	0.9	3
66	Data-driven modeling and optimization for cavity filters using linear programming support vector regression. <i>Neural Computing and Applications</i> , 2014, 24, 1771-1783.	5.6	11
67	Design of a hybrid switching architecture for avionic WDM platforms. <i>Optoelectronics Letters</i> , 2014, 10, 63-66.	0.8	0
68	Experimental verification platform for FC-over-WDM-based avionic network. , 2013, , .		0
69	3D visualization of the microscopic characteristic in Magnetorheological fluids. , 2013, , .		0
70	Support-vector modeling of electromechanical coupling for microwave filter tuning. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2013, 23, 127-139.	1.2	10
71	Intelligent tuning for microwave filters based on multi-kernel machine learning model. , 2013, , .		10
72	Support-vector modeling and optimization for microwave filters manufacturing using small data sets. , 2012, , .		2

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73	Simultaneous design of slider-crank mechanism considering closed-loop system stability. , 2012, , .		1
74	Influence and tuning of tunable screws for microwave filters using least squares support vector regression. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 422-429.	1.2	23
75	Incorporating priori knowledge into linear programming support vector regression. , 2010, , .		4
76	Friction Modelling Based on Support Vector Regression Machines and Genetic Algorithms. , 2008, , .		1
77	Adaptive Control of Servo Systems with Uncertainties Using Self-Recurrent Wavelet Neural Networks. , 2007, , .		1
78	Vibration reduction control by a cable actuation system for reflector antenna. JVC/Journal of Vibration and Control, 0, , 107754632210883.	2.6	0