

# Jue Zhang

## List of Publications by Year in descending order

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203  
papers

6,083  
citations

94269

37  
h-index

88477

70  
g-index

206  
all docs

206  
docs citations

206  
times ranked

5689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-thermal plasma-activated water inactivation of food-borne pathogen on fresh produce. <i>Journal of Hazardous Materials</i> , 2015, 300, 643-651.	6.5	387
2	Effect of plasma activated water on the postharvest quality of button mushrooms, <i>Agaricus bisporus</i> . <i>Food Chemistry</i> , 2016, 197, 436-444.	4.2	288
3	Bioelectric Effects of Intense Nanosecond Pulses. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2007, 14, 1088-1109.	1.8	277
4	Bactericidal Effects against <i>S. aureus</i> and Physicochemical Properties of Plasma Activated Water stored at different temperatures. <i>Scientific Reports</i> , 2016, 6, 28505.	1.6	215
5	Inactivation of Bacteria in an Aqueous Environment by a Direct-Current, Cold-Atmospheric-Pressure Air Plasma Microjet. <i>Plasma Processes and Polymers</i> , 2010, 7, 231-236.	1.6	194
6	Assessment of the Physicochemical Properties and Biological Effects of Water Activated by Non-thermal Plasma Above and Beneath the Water Surface. <i>Plasma Processes and Polymers</i> , 2015, 12, 439-449.	1.6	179
7	A study of oxidative stress induced by non-thermal plasma-activated water for bacterial damage. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	160
8	Reactive Oxygen Species in a Non-thermal Plasma Microjet and Water System: Generation, Conversion, and Contributions to Bacteria Inactivation—An Analysis by Electron Spin Resonance Spectroscopy. <i>Plasma Processes and Polymers</i> , 2012, 9, 417-424.	1.6	150
9	Effect of Non-Thermal Plasma-Activated Water on Fruit Decay and Quality in Postharvest Chinese Bayberries. <i>Food and Bioprocess Technology</i> , 2016, 9, 1825-1834.	2.6	142
10	Sterilization Efficiency of a Novel Electrochemical Disinfectant against <i>Staphylococcus aureus</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 3184-3192.	4.6	137
11	Intranasal Insulin Enhanced Resting-State Functional Connectivity of Hippocampal Regions in Type 2 Diabetes. <i>Diabetes</i> , 2015, 64, 1025-1034.	0.3	132
12	Cold Plasma Therapy of a Tooth Root Canal Infected with <i>Enterococcus faecalis</i> Biofilms In Vitro. <i>Journal of Endodontics</i> , 2013, 39, 105-110.	1.4	131
13	Inactivation of <i>Bacillus subtilis</i> Spores in Water by a Direct-Current, Cold Atmospheric-Pressure Air Plasma Microjet. <i>Plasma Processes and Polymers</i> , 2012, 9, 157-164.	1.6	112
14	Miniature two-photon microscopy for enlarged field-of-view, multi-plane and long-term brain imaging. <i>Nature Methods</i> , 2021, 18, 46-49.	9.0	112
15	MS2 Virus Inactivation by Atmospheric-Pressure Cold Plasma Using Different Gas Carriers and Power Levels. <i>Applied and Environmental Microbiology</i> , 2015, 81, 996-1002.	1.4	106
16	Rapid Inactivation of Biological Species in the Air using Atmospheric Pressure Nonthermal Plasma. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3360-3368.	4.6	104
17	Transcranial direct current stimulation reduces the cost of performing a cognitive task on gait and postural control. <i>European Journal of Neuroscience</i> , 2014, 39, 1343-1348.	1.2	92
18	Inactivation of <i>Staphylococcus aureus</i> in Water by a Cold, He/O <sub>2</sub> Atmospheric Pressure Plasma Microjet. <i>Plasma Processes and Polymers</i> , 2011, 8, 424-431.	1.6	86

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19	Quantitative cerebral blood flow mapping and functional connectivity of postherpetic neuralgia pain: A perfusion fMRI study. <i>Pain</i> , 2013, 154, 110-118.	2.0	83
20	Inactivation Efficacy of Nonthermal Plasma-Activated Solutions against Newcastle Disease Virus. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	81
21	Atmospheric pressure cold plasma as an antifungal therapy. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	80
22	Fully automatic segmentation on prostate MR images based on cascaded fully convolution network. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1149-1156.	1.9	77
23	Reduction of Dual-task Costs by Noninvasive Modulation of Prefrontal Activity in Healthy Elders. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 275-281.	1.1	76
24	The Interaction of a Direct-Current Cold Atmospheric-Pressure Air Plasma With Bacteria. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 121-127.	0.6	72
25	Reduction of phoxim pesticide residues from grapes by atmospheric pressure non-thermal air plasma activated water. <i>Journal of Hazardous Materials</i> , 2019, 377, 98-105.	6.5	72
26	Tooth Whitening With Hydrogen Peroxide Assisted by a Direct-Current Cold Atmospheric-Pressure Air Plasma Microjet. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 1892-1896.	0.6	67
27	A Novel Method of Tooth Whitening Using Cold Plasma Microjet Driven by Direct Current in Atmospheric-Pressure Air. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3143-3151.	0.6	64
28	In vitro studies of the antimicrobial effect of non-thermal plasma-activated water as a novel mouthwash. <i>European Journal of Oral Sciences</i> , 2017, 125, 463-470.	0.7	63
29	Assessment of the roles of various inactivation agents in an argon-based direct current atmospheric pressure cold plasma jet. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	62
30	Evaluation of Cold Plasma Treatment and Safety in Disinfecting 3-week Root Canal <i>Enterococcus faecalis</i> Biofilm In Vitro. <i>Journal of Endodontics</i> , 2015, 41, 1325-1330.	1.4	59
31	Effects of transcranial direct current stimulation (tDCS) on multiscale complexity of dual-task postural control in older adults. <i>Experimental Brain Research</i> , 2015, 233, 2401-2409.	0.7	53
32	Inactivation of <i>Candida</i> Biofilms by Non-Thermal Plasma and Its Enhancement for Fungistatic Effect of Antifungal Drugs. <i>PLoS ONE</i> , 2012, 7, e40629.	1.1	51
33	Nanosecond pulsed electric fields as a novel drug free therapy for breast cancer: An in vivo study. <i>Cancer Letters</i> , 2014, 343, 268-274.	3.2	49
34	Reactive radical-driven bacterial inactivation by hydrogen-peroxide-enhanced plasma-activated-water. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2887-2899.	1.2	48
35	Synergistic Effects of Nanosecond Pulsed Electric Fields Combined with Low Concentration of Gemcitabine on Human Oral Squamous Cell Carcinoma In Vitro. <i>PLoS ONE</i> , 2012, 7, e43213.	1.1	47
36	Investigation of Cold Atmospheric Plasma-Activated Water for the Dental Unit Waterline System Contamination and Safety Evaluation In Vitro. <i>Plasma Chemistry and Plasma Processing</i> , 2017, 37, 1091-1103.	1.1	45

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37	Dynamics of a disinhibitory prefrontal microcircuit in controlling social competition. <i>Neuron</i> , 2022, 110, 516-531.e6.	3.8	45
38	The serial effect of iodinated contrast media on renal hemodynamics and oxygenation as evaluated by ASL and BOLD MRI. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 418-425.	0.4	44
39	Microplasma-Assisted Synthesis of Colloidal Gold Nanoparticles and Their Use in the Detection of Cardiac Troponin I (cTn-I). <i>Plasma Processes and Polymers</i> , 2015, 12, 380-391.	1.6	39
40	A study of eukaryotic response mechanisms to atmospheric pressure cold plasma by using <i>Saccharomyces cerevisiae</i> single gene mutants. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	37
41	Quantitative assessment of acute kidney injury by noninvasive arterial spin labeling perfusion MRI: a pilot study. <i>Science China Life Sciences</i> , 2013, 56, 745-750.	2.3	36
42	Non-thermal plasma for inactivated-vaccine preparation. <i>Vaccine</i> , 2016, 34, 1126-1132.	1.7	36
43	Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI. <i>Academic Radiology</i> , 2012, 19, 1194-1200.	1.3	35
44	Regulation of <i>Enterococcus faecalis</i> Biofilm Formation and Quorum Sensing Related Virulence Factors with Ultra-low Dose Reactive Species Produced by Plasma Activated Water. <i>Plasma Chemistry and Plasma Processing</i> , 2019, 39, 35-49.	1.1	34
45	HHT based cardiopulmonary coupling analysis for sleep apnea detection. <i>Sleep Medicine</i> , 2012, 13, 503-509.	0.8	33
46	A study on small-world brain functional networks altered by postherpetic neuralgia. <i>Magnetic Resonance Imaging</i> , 2014, 32, 359-365.	1.0	33
47	A novel cold atmospheric pressure air plasma jet for peri-implantitis treatment: An <i>in vitro</i> study. <i>Dental Materials Journal</i> , 2018, 37, 157-166.	0.8	33
48	Nanosecond Pulsed Electric Fields (nsPEFs) Regulate Phenotypes of Chondrocytes through Wnt/ $\beta$ -catenin Signaling Pathway. <i>Scientific Reports</i> , 2014, 4, 5836.	1.6	32
49	Ultrasound Computer-Aided Diagnosis (CAD) Based on the Thyroid Imaging Reporting and Data System (TI-RADS) to Distinguish Benign from Malignant Thyroid Nodules and the Diagnostic Performance of Radiologists with Different Diagnostic Experience. <i>Medical Science Monitor</i> , 2020, 26, e918452.	0.5	32
50	Microplasma-Assisted Growth of Colloidal Silver Nanoparticles for Enhanced Antibacterial Activity. <i>Plasma Processes and Polymers</i> , 2014, 11, 44-51.	1.6	31
51	Dielectric barrier structure with hollow electrodes and its recoil effect. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	30
52	Rapid Allergen Inactivation Using Atmospheric Pressure Cold Plasma. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2901-2909.	4.6	29
53	Prostate cancer identification: quantitative analysis of T2-weighted MR images based on a back propagation artificial neural network model. <i>Science China Life Sciences</i> , 2015, 58, 666-673.	2.3	29
54	Rapid Synthesis of Aqueous-Phase Magnetite Nanoparticles by Atmospheric Pressure Non-Thermal Microplasma and their Application in Magnetic Resonance Imaging. <i>Plasma Processes and Polymers</i> , 2014, 11, 448-454.	1.6	28

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55	An evaluation of anti-oxidative protection for cells against atmospheric pressure cold plasma treatment. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	26
56	Nanosecond pulsed electric fields enhanced chondrogenic potential of mesenchymal stem cells via JNK/CREB-STAT3 signaling pathway. <i>Stem Cell Research and Therapy</i> , 2019, 10, 45.	2.4	26
57	Preparation of the inactivated Newcastle disease vaccine by plasma activated water and evaluation of its protection efficacy. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 107-117.	1.7	26
58	The Complexity of Standing Postural Control in Older Adults: A Modified Detrended Fluctuation Analysis Based upon the Empirical Mode Decomposition Algorithm. <i>PLoS ONE</i> , 2013, 8, e62585.	1.1	26
59	MR evaluation of cerebral oxygen metabolism and blood flow in stroke-like episodes of MELAS. <i>Journal of the Neurological Sciences</i> , 2012, 323, 173-177.	0.3	25
60	Thirty minute transcutaneous electric acupoint stimulation modulates resting state brain activities: A perfusion and BOLD fMRI study. <i>Brain Research</i> , 2012, 1457, 13-25.	1.1	25
61	Enhanced breast cancer therapy with nsPEFs and low concentrations of gemcitabine. <i>Cancer Cell International</i> , 2014, 14, 98.	1.8	25
62	Turbo fast three-dimensional carotid artery black-blood MRI by combining three-dimensional MERGE sequence with compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1347-1352.	1.9	24
63	Direct current stimulation over the human sensorimotor cortex modulates the brain's hemodynamic response to tactile stimulation. <i>European Journal of Neuroscience</i> , 2015, 42, 1933-1940.	1.2	24
64	Cold plasma gas loaded microbubbles as a novel ultrasound contrast agent. <i>Nanoscale</i> , 2019, 11, 1123-1130.	2.8	24
65	A Novel Antifungal Plasma-Activated Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22941-22949.	4.0	24
66	Early Growth Effects of Nanosecond Pulsed Electric Field (nsPEFs) Exposure on <i>Haloxylon ammodendron</i> . <i>Plasma Processes and Polymers</i> , 2015, 12, 372-379.	1.6	23
67	Transcranial direct current stimulation enhances foot sole somatosensation when standing in older adults. <i>Experimental Brain Research</i> , 2018, 236, 795-802.	0.7	22
68	Raising the avermectins production in <i>Streptomyces avermitilis</i> by utilizing nanosecond pulsed electric fields (nsPEFs). <i>Scientific Reports</i> , 2016, 6, 25949.	1.6	21
69	Novel MRI-compatible tactile stimulator for cortical mapping of foot sole pressure stimuli with fMRI. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1194-1199.	1.9	20
70	A Lightweight U-Net Architecture Multi-Scale Convolutional Network for Pediatric Hand Bone Segmentation in X-Ray Image. <i>IEEE Access</i> , 2019, 7, 68436-68445.	2.6	20
71	Blinking Acoustic Nanodroplets Enable Fast Super-resolution Ultrasound Imaging. <i>ACS Nano</i> , 2021, 15, 16913-16923.	7.3	20
72	A comparison of arterial spin labeling perfusion MRI and DCE-MRI in human prostate cancer. <i>NMR in Biomedicine</i> , 2014, 27, 817-825.	1.6	19

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73	Preparation of Ultrasmall Goethite Nanorods and Their Application as Heterogeneous Fenton Reaction Catalysts in the Degradation of Azo Dyes. <i>ACS Applied Nano Materials</i> , 2018, 1, 4170-4178.	2.4	19
74	Inactivation of <i>Staphylococcus aureus</i> and <i>Enterococcus faecalis</i> by a direct-current, cold atmospheric-pressure air plasma microjet. <i>Journal of Biomedical Research</i> , 2010, 24, 264-269.	0.7	18
75	Cold plasma-induced surface modification of heat-polymerized acrylic resin and prevention of early adherence of <i>Candida albicans</i> . <i>Dental Materials Journal</i> , 2015, 34, 529-536.	0.8	18
76	An optimized target-field method for MRI transverse biplanar gradient coil design. <i>Measurement Science and Technology</i> , 2011, 22, 125505.	1.4	17
77	Long-duration transcutaneous electric acupoint stimulation alters small-world brain functional networks. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1105-1111.	1.0	17
78	Synergistic effect of nanosecond pulsed electric field combined with low-dose of pingyangmycin on salivary adenoid cystic carcinoma. <i>Oncology Reports</i> , 2014, 31, 2220-2228.	1.2	17
79	Nanosecond pulsed electric fields promoting the proliferation of porcine iliac endothelial cells: An in vitro study. <i>PLoS ONE</i> , 2018, 13, e0196688.	1.1	17
80	Sleep staging from single-channel EEG with multi-scale feature and contextual information. <i>Sleep and Breathing</i> , 2019, 23, 1159-1167.	0.9	17
81	Nanosecond pulsed electric fields enhance mesenchymal stem cells differentiation via DNMT1-regulated OCT4/NANOG gene expression. <i>Stem Cell Research and Therapy</i> , 2020, 11, 308.	2.4	17
82	Ultrasound Microvascular Imaging Based on Super-Resolution Radial Fluctuations. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1507-1516.	0.8	17
83	Surface height retrieval based on fringe shifting of color-encoded structured light pattern. <i>Optics Letters</i> , 2008, 33, 1801.	1.7	16
84	Simultaneous CBF and BOLD mapping of high frequency acupuncture induced brain activity. <i>Neuroscience Letters</i> , 2012, 530, 12-17.	1.0	16
85	Black blood myocardial T <sub>2</sub> mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 153-166.	1.9	16
86	Light-sheet fluorescence imaging charts the gastrula origin of vascular endothelial cells in early zebrafish embryos. <i>Cell Discovery</i> , 2020, 6, 74.	3.1	16
87	A Novel Interpretable Computer-Aided Diagnosis System of Thyroid Nodules on Ultrasound Based on Clinical Experience. <i>IEEE Access</i> , 2020, 8, 53223-53231.	2.6	16
88	Tooth Enamel Evaluation After Tooth Bleaching With Hydrogen Peroxide Assisted by a DC Nonthermal Atmospheric-Pressure Plasma Jet. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 2157-2162.	0.6	15
89	Time-related surface modification of denture base acrylic resin treated by atmospheric pressure cold plasma. <i>Dental Materials Journal</i> , 2016, 35, 97-103.	0.8	15
90	A Surface Plasmon Resonance-Based Optical Fiber Probe Fabricated with Electropolymerized Molecular Imprinting Film for Melamine Detection. <i>Sensors</i> , 2018, 18, 828.	2.1	15

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91	Time course study on the effects of iodinated contrast medium on intrarenal water transport function using diffusion-weighted MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1139-1144.	1.9	14
92	Quantitative analysis of diffusion-weighted magnetic resonance images: differentiation between prostate cancer and normal tissue based on a computer-aided diagnosis system. <i>Science China Life Sciences</i> , 2017, 60, 37-43.	2.3	14
93	The potential regulatory effect of nitric oxide in plasma activated water on cell growth of <i>Saccharomyces cerevisiae</i> . <i>Journal of Applied Physics</i> , 2017, 122, 123302.	1.1	14
94	Hydrogel Pressure Distribution Sensors Based on an Imaging Strategy and Machine Learning. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3599-3609.	2.0	14
95	Graph Theoretical Analysis of BOLD Functional Connectivity during Human Sleep without EEG Monitoring. <i>PLoS ONE</i> , 2015, 10, e0137297.	1.1	14
96	Color structured light system of chest wall motion measurement for respiratory volume evaluation. <i>Journal of Biomedical Optics</i> , 2010, 15, 026013.	1.4	13
97	Relaxation enhanced compressed sensing three-dimensional black-blood vessel wall MR imaging: Preliminary studies. <i>Magnetic Resonance Imaging</i> , 2015, 33, 932-938.	1.0	13
98	Contrast-enhanced continuous-terahertz-wave imaging based on superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Optics Express</i> , 2016, 24, 7915.	1.7	13
99	Heart rate acceleration runs and deceleration runs in patients with obstructive sleep apnea syndrome. <i>Sleep and Breathing</i> , 2017, 21, 443-451.	0.9	13
100	Evaluating the clinical value of the hypoxia burden index in patients with obstructive sleep apnea. <i>Postgraduate Medicine</i> , 2018, 130, 436-441.	0.9	13
101	Comparison of blood oxygen level-dependent imaging and diffusion-weighted imaging in early diagnosis of acute kidney injury in animal models. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 719-724.	1.9	13
102	Identification of Velcro rales based on Hilbert-Huang transform. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 34-44.	1.2	12
103	Ultrasound intima-media thickness measurement of the carotid artery using ant colony optimization combined with a curvelet-based orientation-selective filter. <i>Medical Physics</i> , 2016, 43, 1795-1807.	1.6	12
104	Radiosensitization of oral tongue squamous cell carcinoma by nanosecond pulsed electric fields (nsPEFs). <i>Bioelectrochemistry</i> , 2017, 113, 35-41.	2.4	12
105	Automated Grading of Lumbar Disc Degeneration Using a Push-Pull Regularization Network Based on $\text{scpMRI}$ . <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 799-806.	1.9	12
106	Comparison of MRS and DWI in the diagnosis of prostate cancer based on sextant analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 194-200.	1.9	11
107	A novel drug-free strategy of nano-pulse stimulation sequence (NPSS) in oral cancer therapy: In vitro and in vivo study. <i>Bioelectrochemistry</i> , 2018, 123, 26-33.	2.4	11
108	Effects of nanosecond pulsed electric fields (nsPEFs) on the human fungal pathogen <i>Candida albicans</i> : an in vitro study. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 185402.	1.3	11



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109	A non-encoding structured light approach with infrared illumination for 3D large field shape measurement. <i>Optics and Laser Technology</i> , 2013, 49, 28-32.	2.2	10
110	An Efficient and Specific Protection of Non-Thermal Plasma-Induced Live Yeast Cell Derivative (LYCD) for Cells against Plasma Damage. <i>Plasma Processes and Polymers</i> , 2014, 11, 822-832.	1.6	10
111	Plasma Thorns: Atmospheric Pressure Non-Thermal Plasma Source for Dentistry Applications. <i>Plasma Processes and Polymers</i> , 2015, 12, 1069-1074.	1.6	10
112	Nanosecond Pulsed Electric Fields Enhance the Anti-tumour Effects of the mTOR Inhibitor Everolimus against Melanoma. <i>Scientific Reports</i> , 2017, 7, 39597.	1.6	10
113	Compressed sensing based simultaneous black- and gray-blood carotid vessel wall MR imaging. <i>Magnetic Resonance Imaging</i> , 2017, 38, 214-223.	1.0	10
114	A feasibility study of using noninvasive renal oxygenation imaging for the early assessment of ischemic acute kidney injury in an embolization model. <i>Magnetic Resonance Imaging</i> , 2019, 63, 178-184.	1.0	10
115	AUTOMATED SLEEP STAGING TECHNIQUE BASED ON THE EMPIRICAL MODE DECOMPOSITION ALGORITHM: A PRELIMINARY STUDY. <i>Advances in Adaptive Data Analysis</i> , 2010, 02, 267-276.	0.6	9
116	Tooth Bleaching Using Low Concentrations of Hydrogen Peroxide in the Presence of a Nonthermal Plasma Jet. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 325-329.	0.6	9
117	Knee MRI under varying flexion angles utilizing a flexible flat cable antenna. <i>NMR in Biomedicine</i> , 2015, 28, 460-467.	1.6	9
118	A self-supervised strategy for fully automatic segmentation of renal dynamic contrast-enhanced magnetic resonance images. <i>Medical Physics</i> , 2019, 46, 4417-4430.	1.6	9
119	Feasibility study of exploring a T <sub>1</sub> -weighted dynamic contrast-enhanced MR approach for brain perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1322-1331.	1.9	8
120	Automatic segmentation of white matter hyperintensities by an extended FitzHugh & Nagumo reaction diffusion model. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 343-350.	1.9	8
121	Reconstruction of undersampled radial free-breathing 3D abdominal MRI using stacked convolutional autoencoders. <i>Medical Physics</i> , 2018, 45, 2023-2032.	1.6	8
122	Arterial Labeling Ultrasound Subtraction Angiography (ALUSA) Based on Acoustic Phase Change Nanodroplets. <i>Small</i> , 2022, 18, e2105989.	5.2	8
123	Feasibility of noninvasive quantitative measurements of intrarenal $R_2^*$ in humans using an asymmetric spin echo planar imaging sequence. <i>NMR in Biomedicine</i> , 2013, 26, 91-97.	1.6	7
124	An intravascular loopless monopole antenna for vessel wall MR imaging at 3.0 T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 150-155.	1.0	7
125	Vehicle Exhaust Gas Clearance by Low Temperature Plasma-Driven Nano-Titanium Dioxide Film Prepared by Radiofrequency Magnetron Sputtering. <i>PLoS ONE</i> , 2013, 8, e59974.	1.1	7
126	Noninvasive measurement of renal oxygen extraction fraction under the influence of respiratory challenge. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 230-237.	1.9	7



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127	Inactivation of Ricin Toxin by Nanosecond Pulsed Electric Fields Including Evidences from Cell and Animal Toxicity. <i>Scientific Reports</i> , 2016, 6, 18781.	1.6	7
128	Simultaneous dynamic $R_{2^*}$ , and measurement using periodic $\pi$ pulse shifting multiecho asymmetric spin echo sequence moving estimation strategy: A feasibility study for lower extremity muscle. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 766-773.	1.9	7
129	Early assessment of acute kidney injury using targeted field of view diffusion-weighted imaging: An in vivo study. <i>Magnetic Resonance Imaging</i> , 2019, 57, 1-7.	1.0	7
130	Transcranial direct current stimulation modulates the brain's response to foot stimuli under dual-task condition: A fMRI study in elderly adults. <i>Neuroscience Letters</i> , 2019, 692, 225-230.	1.0	7
131	Editorial: Advances of Neuroimaging and Data Analysis. <i>Frontiers in Neurology</i> , 2020, 11, 257.	1.1	7
132	Nanosecond pulsed electric fields prime mesenchymal stem cells to peptide ghrelin and enhance chondrogenesis and osteochondral defect repair in vivo. <i>Science China Life Sciences</i> , 2022, 65, 927-939.	2.3	7
133	Feasibility and value of quantitative dynamic contrast enhancement MR imaging in the evaluation of sinonasal tumors. <i>Chinese Medical Journal</i> , 2014, 127, 2259-64.	0.9	7
134	The effect of CPAP treatment on EEG of OSAS patients. <i>Sleep and Breathing</i> , 2015, 19, 1121-1124.	0.9	6
135	Artificial intelligence in computer-aided diagnosis of abdomen diseases. <i>Science China Life Sciences</i> , 2019, 62, 1396-1399.	2.3	6
136	Multiple nanosecond pulsed electric fields stimulation with conductive poly( $\epsilon$ -lactide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 prolonged in vitro culture. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1136-1148.	1.3	6
137	Quantitative Estimation of Renal Function with Dynamic Contrast-Enhanced MRI Using a Modified Two-Compartment Model. <i>PLoS ONE</i> , 2014, 9, e105087.	1.1	6
138	Dynamic Contrast-Enhanced Magnetic Resonance Images of the Kidney. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2008, 27, 36-41.	1.1	5
139	MRI-Guided Dielectric Barrier Discharge Plasma In Vivo: A Preliminary Study for Rectal Wall of Rabbit. <i>Plasma Processes and Polymers</i> , 2014, 11, 1188-1192.	1.6	5
140	High temporal resolution dynamic contrast-enhanced MRI using compressed sensing-combined sequence in quantitative renal perfusion measurement. <i>Magnetic Resonance Imaging</i> , 2015, 33, 962-969.	1.0	5
141	Noninvasive measurement of lower extremity muscle oxygen extraction fraction under cuff compression paradigm. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1148-1158.	1.9	5
142	A Novel Method of Evaluating Knee Joint Stability of Patients with Knee Osteoarthritis: Multiscale Entropy Analysis with A Knee-Aiming Task. <i>Scientific Reports</i> , 2017, 7, 354.	1.6	5
143	A novel approach to the pacemaker infection with non-thermal atmospheric pressure plasma. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2901-2910.	1.2	5
144	Communicating with Mouse Oocytes via Regulating Calcium Oscillation Patterns by Nanosecond Pulsed Electric Fields. <i>Physical Review Applied</i> , 2019, 11, .	1.5	5

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145	Separation of contact stress components by moire interferometry. Acta Mechanica Sinica/Lixue Xuebao, 2007, 23, 707-711.	1.5	4
146	Continuous-terahertz-wave molecular imaging system for biomedical applications. Journal of Biomedical Optics, 2016, 21, 076006.	1.4	4
147	Pilot in vitro and in vivo study on a mouse model to evaluate the safety of transcutaneous low-frequency electrical nerve stimulation on cervical cancer patients. International Urogynecology Journal, 2019, 30, 71-80.	0.7	4
148	Integrated two-phase free radical hydrogel: Safe, ultra-fast tooth whitening and antibacterial activity. Journal of Materials Science and Technology, 2022, 100, 59-66.	5.6	4
149	Effect of Plasma Activated Water in Caries Prevention: The Caries Related Biofilm Inhibition Effects and Mechanisms. Plasma Chemistry and Plasma Processing, 2022, 42, 801-814.	1.1	4
150	Classification of breast lesions based on a dual S-shaped logistic model in dynamic contrast enhanced magnetic resonance imaging. Science China Life Sciences, 2011, 54, 889-896.	2.3	3
151	The Efficacy, Safety, Stability, and Mechanism of Tooth Whitening by a Cold Atmospheric Pressure Air Plasma Microjet Assisted With or Without Hydrogen Peroxide. IEEE Transactions on Plasma Science, 2014, 42, 1623-1628.	0.6	3
152	Bas-Relief Map Using Texture Analysis with Application to Live Enhancement of Ultrasound Images. Ultrasound in Medicine and Biology, 2015, 41, 1446-1460.	0.7	3
153	Evaluation of renal oxygenation change under the influence of carbogen breathing using a dynamic $\langle i \rangle R \langle /i \rangle \langle sub \rangle 2 \langle /sub \rangle$ , $\langle i \rangle R \langle /i \rangle \langle sub \rangle 2 \langle /sub \rangle \hat{\epsilon}^2$ and $\langle i \rangle R \langle /i \rangle \langle sub \rangle 2 \langle /sub \rangle *$ quantification approach. NMR in Biomedicine, 2016, 29, 1601-1607.	1.6	3
154	Evaluating the clinical value of oscillatory cardiopulmonary coupling in patients with obstructive sleep apnea hypopnea syndrome by impedance cardiogram. Sleep Medicine, 2016, 19, 75-84.	0.8	3
155	A cost- and time-saving strategy of spraying TiO <sub>2</sub> self-cleaning coatings in tubular substrates by air cold plasma. Chemical Physics Letters, 2017, 687, 205-208.	1.2	3
156	An improved automated type- $\hat{\epsilon}$ -based method for area assessment of wound surface. Wound Repair and Regeneration, 2017, 25, 150-158.	1.5	3
157	An MRI-Compatible Foot-Sole Stimulation System Enabling Characterization of the Brain Response to Walking-Related Tactile Stimuli. Frontiers in Neuroscience, 2019, 13, 1075.	1.4	3
158	Multiscale Coupling of Uterine Electromyography and Fetal Heart Rate as a Novel Indicator of Fetal Neural Development. Frontiers in Neurology, 2019, 10, 760.	1.1	3
159	Ultrasound diffraction attenuation microscopy in human quadriceps femoris muscle blood flow imaging. , 2019, , .		3
160	Quantitative coordination evaluation for screening children with Duchenne muscular dystrophy. Chaos, 2020, 30, 023116.	1.0	3
161	predicting and improving the probability of live birth for women undergoing frozen-thawed embryo transfer: a data-driven estimation and simulation model. Computer Methods and Programs in Biomedicine, 2021, 198, 105780.	2.6	3
162	Simultaneous vessel segmentation and unenhanced prediction using self-supervised dual-task learning in 3D CTA (SVSUP). Computer Methods and Programs in Biomedicine, 2022, 224, 107001.	2.6	3

#	ARTICLE	IF	CITATIONS
163	A handheld low temperature atmospheric pressure air plasma gun for nanomaterial synthesis in liquid phase. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	2
164	A target field design of open multi-purpose RF coil for musculoskeletal MR imaging at 3T. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1064-1070.	1.0	2
165	The relationship between multiscale dynamics in tremulous motion of upper limb when aiming and aiming performance in different physical load conditions. <i>Journal of Sports Sciences</i> , 2019, 37, 2625-2630.	1.0	2
166	Fabrication of gold nanorod arrays on a cylindrical surface of optical fibers by using in-situ electrodeposition. <i>Optical Materials</i> , 2019, 98, 109424.	1.7	2
167	Identification and characterization of uterine micro-peristalsis in women undergoing in vitro fertilization and embryo transfer via dynamic ultrasound features. <i>Archives of Gynecology and Obstetrics</i> , 2019, 300, 1729-1739.	0.8	2
168	Simultaneous R2, R2' and R2* measurement of skeletal muscle in a rabbit model of unilateral artery embolization. <i>Magnetic Resonance Imaging</i> , 2019, 61, 149-157.	1.0	2
169	A Hydrogel Glove for Emergency Ultrasound Screening. , 2019, , .		2
170	Quantitative renal function assessment of atheroembolic renal disease using view-shared compressed sensing based dynamic-contrast enhanced MR imaging: An in vivo study. <i>Magnetic Resonance Imaging</i> , 2020, 65, 67-74.	1.0	2
171	Super-resolution ultrasound in peripheral nerve blood flow imaging. , 2020, , .		2
172	NREM Sleep EEG Characteristics Correlate to the Mild Cognitive Impairment in Patients with Parkinsonism. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	2
173	Non-Localization Super-Resolution Velocity Evaluation Based on the Trail of Point Spread Functions (TPSF). , 2021, , .		2
174	Ultrasound-Activated Nanodroplet Disruption of the <i>Enterococcus faecalis</i> Biofilm in Dental Root Canal. <i>ACS Applied Bio Materials</i> , 2022, 5, 2135-2142.	2.3	2
175	Su-MICL: Severity-Guided Multiple Instance Curriculum Learning for Histopathology Image Interpretable Classification. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3533-3543.	5.4	2
176	Application of color structured light pattern to measurement of large out-of-plane deformation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2011, 27, 1098-1104.	1.5	1
177	A novel dynamical 3D smile measurement method to evaluate the effects of face-lifting surgery: Based on the optical structured light strategy. <i>Optik</i> , 2015, 126, 1716-1719.	1.4	1
178	A cost-effective quick-making strategy for visible light-responsive titanium dioxide. <i>Materials Letters</i> , 2019, 251, 206-209.	1.3	1
179	Integrating Clinical Knowledge in a Thyroid Nodule Classification Model Based on. , 2019, , .		1
180	Ultrasound microvasculature imaging with entropy-based radially super-resolution (ERSR). <i>Physics in Medicine and Biology</i> , 2021, 66, 215012.	1.6	1

#	ARTICLE	IF	CITATIONS
181	Shared-Sparse Aperture for Matrix Array Super-Resolution 3D imaging. , 2021, , .		1
182	Arterial Labeling Ultrasound Subtraction Angiography. , 2020, , .		1
183	Dynamic R2' Imaging can Be a Biomarker for Diagnosing and Staging Early Acute Kidney Injury in Animals. <i>Frontiers in Medicine</i> , 2021, 8, 775042.	1.2	1
184	Incremental deformation analysis of shell and corrugated diaphragm based on arbitrary configuration. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2005, 21, 592-600.	1.5	0
185	Nanosecond pulsed electric fields induce intracellular oxidation. , 2014, , .		0
186	Microplasma assisted synthesis of gold nanoparticles mediated by ultrasound. , 2014, , .		0
187	A genome-wide profiling of cell response mechanisms to non-thermal plasma treatment. , 2014, , .		0
188	The electrophysiological effect of nanosecond pulsed electric fields on magnetic fluid hyperthermia to treat hela cells. , 2014, , .		0
189	Dental Applications of Atmospheric-Pressure Non-Thermal Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2014, , 455-485.	0.1	0
190	Rapid allergen inactivation using atmospheric pressure cold plasma. , 2014, , .		0
191	In vitro anticancer activity of a novel compound from the physically engineered <i>Candida albicans</i> with nanosecond pulsed electric fields (nsPEFs). , 2014, , .		0
192	Flow artifact removal in carotid wall imaging based on black and gray-blood dual-contrast images subtraction. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1612-1618.	1.9	0
193	Ultrafast Spray of $\text{TiO}_2$ Self-Cleaning Films in Tubular Substrates. , 2017, , .		0
194	The Feasibility of Classification of Thyroid Nodules Integrated Experiences Based Inference of Radiologist and Extracted Feature Vectors in Ultrasound Images. , 2018, , .		0
195	A Pattern Designable Hydrogel Vessel Phantom for Ultrasound Imaging. , 2019, , .		0
196	F-K Migration for Photoacoustic Tomography Imaging Simulation. , 2019, , .		0
197	An automatic framework for evaluating the vascular permeability of bone metastases from prostate cancer. <i>Physics in Medicine and Biology</i> , 2021, 66, 125006.	1.6	0
198	Inactivation of <i>Candida</i> Strains in Planktonic and Biofilm Forms Using a Direct Current, Atmospheric-Pressure Cold Plasma Micro-Jet. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012, , 201-214.	0.5	0

#	ARTICLE	IF	CITATIONS
199	Effect of nanosecond pulsed electric fields in combination with everolimus on melanoma.. Journal of Clinical Oncology, 2015, 33, e20102-e20102.	0.8	0
200	High-frequency Contrast-enhanced Ultrasound Imaging and Super-resolution Imaging of Rat Coronary Arteries. , 2021, , .		0
201	3D contrast-enhanced ultrasound imaging of the muscle using a sparsely controlled matrix array probe. , 2021, , .		0
202	Matrix array 3D contrast-enhanced imaging of rabbit kidney in vivo using random sparse apertures. , 2021, , .		0
203	Ultrasound-Guided in Vivo Delivery of Cold Plasma Gas for Cancer Therapy via Microbubbles. , 2021, , .		0