

Jue Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Integrated two-phase free radical hydrogel: Safe, ultra-fast tooth whitening and antibacterial activity. <i>Journal of Materials Science and Technology</i> , 2022, 100, 59-66.	5.6	4
3	Dynamics of a disinhibitory prefrontal microcircuit in controlling social competition. <i>Neuron</i> , 2022, 110, 516-531.e6.	3.8	45
4	Arterial Labeling Ultrasound Subtraction Angiography (ALUSA) Based on Acoustic Phase Change Nanodroplets. <i>Small</i> , 2022, 18, e2105989.	5.2	8
5	Effect of Plasma Activated Water in Caries Prevention: The Caries Related Biofilm Inhibition Effects and Mechanisms. <i>Plasma Chemistry and Plasma Processing</i> , 2022, 42, 801-814.	1.1	4
6	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
7	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
8	Simultaneous vessel segmentation and unenhanced prediction using self-supervised dual-task learning in 3D CTA (SVSUP). <i>Computer Methods and Programs in Biomedicine</i> , 2022, 224, 107001.	2.6	3
9	predicting and improving the probability of live birth for women undergoing frozen-thawed embryo transfer: a data-driven estimation and simulation model. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 198, 105780.	2.6	3
10	Automated Grading of Lumbar Disc Degeneration Using a Push-Pull Regularization Network Based on MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 799-806.	1.9	12
11	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
12	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
13	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
14	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
15	Ultrasound microvasculature imaging with entropy-based radiality super-resolution (ERSR). <i>Physics in Medicine and Biology</i> , 2021, 66, 215012.	1.6	1
16	Blinking Acoustic Nanodroplets Enable Fast Super-resolution Ultrasound Imaging. <i>ACS Nano</i> , 2021, 15, 16913-16923.	7.3	20
17	High-frequency Contrast-enhanced Ultrasound Imaging and Super-resolution Imaging of Rat Coronary Arteries. , 2021, , .		0
18	3D contrast-enhanced ultrasound imaging of the muscle using a sparsely controlled matrix array probe. , 2021, , .		0

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19	Non-Localization Super-Resolution Velocity Evaluation Based on the Trail of Point Spread Functions (TPSF)., 2021, , .		2
20	Matrix array 3D contrast-enhanced imaging of rabbit kidney in vivo using random sparse apertures. , 2021, , .		0
21	Ultrasound-Guided in Vivo Delivery of Cold Plasma Gas for Cancer Therapy via Microbubbles. , 2021, , .		0
22	Shared-Sparse Aperture for Matrix Array Super-Resolution 3D imaging. , 2021, , .		1
23	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
24	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
25	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
26	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
27	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
28	Super-resolution ultrasound in peripheral nerve blood flow imaging. , 2020, , .		2
29	Multiple nanosecond pulsed electric fields stimulation with conductive poly(lactide) Tj ETQq1 1 0.784314 rgBT /Overl prolonged in vitro culture. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1136-1148.	1.3	6
30	Ultrasound Microvascular Imaging Based on Super-Resolution Radial Fluctuations. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1507-1516.	0.8	17
31	Quantitative coordination evaluation for screening children with Duchenne muscular dystrophy. <i>Chaos</i> , 2020, 30, 023116.	1.0	3
32	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
33	Editorial: Advances of Neuroimaging and Data Analysis. <i>Frontiers in Neurology</i> , 2020, 11, 257.	1.1	7
34	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
35	Arterial Labeling Ultrasound Subtraction Angiography. , 2020, , .		1
36	Black blood myocardial <sc>T</sc>₂ mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 153-166.	1.9	16

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37	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
38	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
39	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
40	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
41	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
42	An MRI-Compatible Foot-Sole Stimulation System Enabling Characterization of the Brain Response to Walking-Related Tactile Stimuli. <i>Frontiers in Neuroscience</i> , 2019, 13, 1075.	1.4	3
43	Multiscale Coupling of Uterine Electromyography and Fetal Heart Rate as a Novel Indicator of Fetal Neural Development. <i>Frontiers in Neurology</i> , 2019, 10, 760.	1.1	3
44	Artificial intelligence in computer-aided diagnosis of abdomen diseases. <i>Science China Life Sciences</i> , 2019, 62, 1396-1399.	2.3	6
45	Cold plasma gas loaded microbubbles as a novel ultrasound contrast agent. <i>Nanoscale</i> , 2019, 11, 1123-1130.	2.8	24
46	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
47	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
48	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
49	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
50	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
51	A Novel Antifungal Plasma-Activated Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22941-22949.	4.0	24
52	A cost-effective quick-making strategy for visible light-responsive titanium dioxide. <i>Materials Letters</i> , 2019, 251, 206-209.	1.3	1
53	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
54	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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55	Integrating Clinical Knowledge in a Thyroid Nodule Classification Model Based on. , 2019, , .		1
56	A Hydrogel Glove for Emergency Ultrasound Screening. , 2019, , .		2
57	A Pattern Designable Hydrogel Vessel Phantom for Ultrasound Imaging. , 2019, , .		0
58	Ultrasound diffraction attenuation microscopy in human quadriceps femoris muscle blood flow imaging. , 2019, , .		3
59	F-K Migration for Photoacoustic Tomography Imaging Simulation. , 2019, , .		0
60	Comparison of blood oxygen levelâ€dependent imaging and diffusionâ€weighted imaging in early diagnosis of acute kidney injury in animal models. Journal of Magnetic Resonance Imaging, 2019, 50, 719-724.	1.9	13
61	Fully automatic segmentation on prostate MR images based on cascaded fully convolution network. Journal of Magnetic Resonance Imaging, 2019, 49, 1149-1156.	1.9	77
62	Early assessment of acute kidney injury using targeted field of view diffusion-weighted imaging: An in vivo study. Magnetic Resonance Imaging, 2019, 57, 1-7.	1.0	7
63	Transcranial direct current stimulation modulates the brain's response to foot stimuli under dual-task condition: A fMRI study in elderly adults. Neuroscience Letters, 2019, 692, 225-230.	1.0	7
64	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
65	Inactivation Efficacy of Nonthermal Plasma-Activated Solutions against Newcastle Disease Virus. Applied and Environmental Microbiology, 2018, 84, .	1.4	81
66	Evaluating the clinical value of the hypoxia burden index in patients with obstructive sleep apnea. Postgraduate Medicine, 2018, 130, 436-441.	0.9	13
67	A novel drug-free strategy of nano-pulse stimulation sequence (NPSS) in oral cancer therapy: In vitro and in vivo study. Bioelectrochemistry, 2018, 123, 26-33.	2.4	11
68	Effects of nanosecond pulsed electric fields (nsPEFs) on the human fungal pathogenCandida albicans:an in vitrostudy. Journal Physics D: Applied Physics, 2018, 51, 185402.	1.3	11
69	Reconstruction of undersampled radial freeâ€breathing 3D abdominal <sc>MRI</sc> using stacked convolutional autoâ€encoders. Medical Physics, 2018, 45, 2023-2032.	1.6	8
70	Transcranial direct current stimulation enhances foot sole somatosensation when standing in older adults. Experimental Brain Research, 2018, 236, 795-802.	0.7	22
71	A novel cold atmospheric pressure air plasma jet for peri-implantitis treatment: An <i>in vitro</i> study. Dental Materials Journal, 2018, 37, 157-166.	0.8	33
72	The Feasibility of Classification of Thyroid Nodules Integrated Experiences Based Inference of Radiologist and Extracted Feature Vectors in Ultrasound Images. , 2018, , .		0

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73	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
74	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
75	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
76	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
77	Simultaneous dynamic R_2 , and measurement using periodic π 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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	A cost- and time-saving strategy of spraying TiO ₂ self-cleaning coatings in tubular substrates by air cold plasma. <i>Chemical Physics Letters</i> , 2017, 687, 205-208.	1.2	3
87	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
88	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
89	An improved automated type-ε based method for area assessment of wound surface. <i>Wound Repair and Regeneration</i> , 2017, 25, 150-158.	1.5	3
90	Radiosensitization of oral tongue squamous cell carcinoma by nanosecond pulsed electric fields (nsPEFs). <i>Bioelectrochemistry</i> , 2017, 113, 35-41.	2.4	12

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91	Ultrafast Spray of TiO ₂ Self-Cleaning Films in Tubular Substrates. , 2017, , .		0
92	Noninvasive measurement of lower extremity muscle oxygen extraction fraction under cuff compression paradigm. Journal of Magnetic Resonance Imaging, 2016, 43, 1148-1158.	1.9	5
93	Noninvasive measurement of renal oxygen extraction fraction under the influence of respiratory challenge. Journal of Magnetic Resonance Imaging, 2016, 44, 230-237.	1.9	7
94	Ultrasound intima-media thickness measurement of the carotid artery using ant colony optimization combined with a curvelet-based orientation-selective filter. Medical Physics, 2016, 43, 1795-1807.	1.6	12
95	Evaluation of renal oxygenation change under the influence of carbogen breathing using a dynamic R^2 , R^2 and R^2 * quantification approach. NMR in Biomedicine, 2016, 29, 1601-1607.	1.6	3
96	Time-related surface modification of denture base acrylic resin treated by atmospheric pressure cold plasma. Dental Materials Journal, 2016, 35, 97-103.	0.8	15
97	Raising the avermectins production in Streptomyces avermitilis by utilizing nanosecond pulsed electric fields (nsPEFs). Scientific Reports, 2016, 6, 25949.	1.6	21
98	Effect of Non-Thermal Plasma-Activated Water on Fruit Decay and Quality in Postharvest Chinese Bayberries. Food and Bioprocess Technology, 2016, 9, 1825-1834.	2.6	142
99	Continuous-terahertz-wave molecular imaging system for biomedical applications. Journal of Biomedical Optics, 2016, 21, 076006.	1.4	4
100	Inactivation of Ricin Toxin by Nanosecond Pulsed Electric Fields Including Evidences from Cell and Animal Toxicity. Scientific Reports, 2016, 6, 18781.	1.6	7
101	Contrast-enhanced continuous-terahertz-wave imaging based on superparamagnetic iron oxide nanoparticles for biomedical applications. Optics Express, 2016, 24, 7915.	1.7	13
102	A target field design of open multi-purpose RF coil for musculoskeletal MR imaging at 3T. Magnetic Resonance Imaging, 2016, 34, 1064-1070.	1.0	2
103	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
104	Non-thermal plasma for inactivated-vaccine preparation. Vaccine, 2016, 34, 1126-1132.	1.7	36
105	Effect of plasma activated water on the postharvest quality of button mushrooms, Agaricus bisporus. Food Chemistry, 2016, 197, 436-444.	4.2	288
106	Sterilization Efficiency of a Novel Electrochemical Disinfectant against Staphylococcus aureus. Environmental Science & Technology, 2016, 50, 3184-3192.	4.6	137
107	Reduction of Dual-task Costs by Noninvasive Modulation of Prefrontal Activity in Healthy Elders. Journal of Cognitive Neuroscience, 2016, 28, 275-281.	1.1	76
108	Bactericidal Effects against S. aureus and Physicochemical Properties of Plasma Activated Water stored at different temperatures. Scientific Reports, 2016, 6, 28505.	1.6	215

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109	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
110	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
111	Dielectric barrier structure with hollow electrodes and its recoil effect. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	30
112	Knee MRI under varying flexion angles utilizing a flexible flat cable antenna. <i>NMR in Biomedicine</i> , 2015, 28, 460-467.	1.6	9
113	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
114	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
115	Plasma Thorns: Atmospheric Pressure Non-thermal Plasma Source for Dentistry Applications. <i>Plasma Processes and Polymers</i> , 2015, 12, 1069-1074.	1.6	10
116	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
117	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
118	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
119	Bas-Relief Map Using Texture Analysis with Application to Live Enhancement of Ultrasound Images. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1446-1460.	0.7	3
120	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
121	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
122	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
123	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
124	The effect of CPAP treatment on EEG of OSAS patients. <i>Sleep and Breathing</i> , 2015, 19, 1121-1124.	0.9	6
125	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
126	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

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127	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
128	Intranasal Insulin Enhanced Resting-State Functional Connectivity of Hippocampal Regions in Type 2 Diabetes. <i>Diabetes</i> , 2015, 64, 1025-1034.	0.3	132
129	Graph Theoretical Analysis of BOLD Functional Connectivity during Human Sleep without EEG Monitoring. <i>PLoS ONE</i> , 2015, 10, e0137297.	1.1	14
130	Effect of nanosecond pulsed electric fields in combination with everolimus on melanoma.. <i>Journal of Clinical Oncology</i> , 2015, 33, e20102-e20102.	0.8	0
131	Enhanced breast cancer therapy with nsPEFs and low concentrations of gemcitabine. <i>Cancer Cell International</i> , 2014, 14, 98.	1.8	25
132	Nanosecond pulsed electric fields induce intracellular oxidation. , 2014, , .		0
133	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
134	Microplasma assisted synthesis of gold nanoparticles mediated by ultrasound. , 2014, , .		0
135	A genome-wide profiling of cell response mechanisms to non-thermal plasma treatment. , 2014, , .		0
136	The electrophysiological effect of nanosecond pulsed electric fields on magnetic fluid hyperthermia to treat hela cells. , 2014, , .		0
137	A comparison of arterial spin labeling perfusion MRI and DCEâ€MRI in human prostate cancer. <i>NMR in Biomedicine</i> , 2014, 27, 817-825.	1.6	19
138	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
139	MRIâ€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	Microplasma-Assisted Growth of Colloidal Silver Nanoparticles for Enhanced Antibacterial Activity. <i>Plasma Processes and Polymers</i> , 2014, 11, 44-51.	1.6	31
141	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
142	Dental Applications of Atmospheric-Pressure Non-Thermal Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2014, , 455-485.	0.1	0
143	Rapid Allergen Inactivation Using Atmospheric Pressure Cold Plasma. <i>Environmental Science & Technology</i> , 2014, 48, 2901-2909.	4.6	29
144	Identification of Velcro rales based on Hilbertâ€Huang transform. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 34-44.	1.2	12

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145	A study on small-world brain functional networks altered by postherpetic neuralgia. <i>Magnetic Resonance Imaging</i> , 2014, 32, 359-365.	1.0	33
146	The Efficacy, Safety, Stability, and Mechanism of Tooth Whitening by a Cold Atmospheric Pressure Air Plasma Microjet Assisted With or Without Hydrogen Peroxide. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 1623-1628.	0.6	3
147	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
148	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
149	Rapid allergen inactivation using atmospheric pressure cold plasma. , 2014, , .		0
150	In vitro anticancer activity of a novel compound from the physically engineered <i>Candida albicans</i> with nanosecond pulsed electric fields (nsPEFs). , 2014, , .		0
151	Nanosecond Pulsed Electric Fields (nsPEFs) Regulate Phenotypes of Chondrocytes through Wnt/ β^2 -catenin Signaling Pathway. <i>Scientific Reports</i> , 2014, 4, 5836.	1.6	32
152	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
153	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
154	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
155	Feasibility of noninvasive quantitative measurements of intrarenal R_2^* in humans using an asymmetric spin echo echo planar imaging sequence. <i>NMR in Biomedicine</i> , 2013, 26, 91-97.	1.6	7
156	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
157	Long-duration transcutaneous electric acupoint stimulation alters small-world brain functional networks. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1105-1111.	1.0	17
158	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
159	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
160	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
161	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
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