

# Ping-Chang Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,595  
citations

361413

20  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Techniques for physicochemical characterization of nanomaterials. <i>Biotechnology Advances</i> , 2014, 32, 711-726.	11.7	497
2	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Experimental Medicine</i> , 2012, 209, 855-869.	8.5	177
3	Multicomponent T <sub>2</sub> relaxation analysis in cartilage. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 803-809.	3.0	149
4	Predicting early symptomatic osteoarthritis in the human knee using machine learning classification of magnetic resonance images from the osteoarthritis initiative. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2243-2250.	2.3	70
5	Nondestructive Assessment of Engineered Cartilage Constructs Using Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2010, 64, 1160-1166.	2.2	61
6	Blood flow and metabolic regulation in seal muscle during apnea. <i>Journal of Experimental Biology</i> , 2008, 211, 3323-3332.	1.7	54
7	CXCR2-Expressing Tumor Cells Drive Vascular Mimicry in Antiangiogenic Therapy-Resistant Glioblastoma. <i>Neoplasia</i> , 2018, 20, 1070-1082.	5.3	54
8	Myoglobin translational diffusion in rat myocardium and its implication on intracellular oxygen transport. <i>Journal of Physiology</i> , 2007, 578, 595-603.	2.9	52
9	Classification of degraded cartilage through multiparametric MRI analysis. <i>Journal of Magnetic Resonance</i> , 2009, 201, 61-71.	2.1	46
10	Mapping proteoglycan-bound water in cartilage: Improved specificity of matrix assessment using multiexponential transverse relaxation analysis. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 377-384.	3.0	44
11	Anisotropy and Temperature Dependence of Myoglobin Translational Diffusion in Myocardium: Implication for Oxygen Transport and Cellular Architecture. <i>Biophysical Journal</i> , 2007, 92, 2608-2620.	0.5	38
12	Infrared Fiber Optic Probe Evaluation of Degenerative Cartilage Correlates to Histological Grading. <i>American Journal of Sports Medicine</i> , 2012, 40, 2853-2861.	4.2	36
13	Determination of myoglobin concentration in blood-perfused tissue. <i>European Journal of Applied Physiology</i> , 2008, 104, 41-48.	2.5	31
14	Sensitivity and specificity of univariate MRI analysis of experimentally degraded cartilage. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1311-1318.	3.0	31
15	Multivariate analysis of cartilage degradation using the support vector machine algorithm. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1815-1826.	3.0	31
16	Improved specificity of cartilage matrix evaluation using multiexponential transverse relaxation analysis applied to pathomimetically degraded cartilage. <i>NMR in Biomedicine</i> , 2011, 24, 1286-1294.	2.8	30
17	Improved MR-based characterization of engineered cartilage using multiexponential T <sub>2</sub> relaxation and multivariate analysis. <i>NMR in Biomedicine</i> , 2012, 25, 476-488.	2.8	28
18	Major Challenges and Potential Microenvironment-Targeted Therapies in Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2732.	4.1	26

#	ARTICLE	IF	CITATIONS
19	XRCC1 haploinsufficiency in mice has little effect on aging, but adversely modifies exposure-dependent susceptibility. <i>Nucleic Acids Research</i> , 2011, 39, 7992-8004.	14.5	25
20	Repeated exposures to diisopropylfluorophosphate result in structural disruptions of myelinated axons and persistent impairments of axonal transport in the brains of rats. <i>Toxicology</i> , 2018, 406-407, 92-103.	4.2	24
21	Glucocorticoid-Induced Leucine Zipper Promotes Neutrophil and T-Cell Polarization with Protective Effects in Acute Kidney Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 483-493.	2.5	19
22	Magnetic Resonance Studies of Macromolecular Content in Engineered Cartilage Treated with Pulsed Low-Intensity Ultrasound. <i>Tissue Engineering - Part A</i> , 2011, 17, 407-415.	3.1	15
23	Characterization of Engineered Cartilage Constructs Using Multiexponential Relaxation Analysis and Support Vector Regression. <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 433-443.	2.1	15
24	Classification of histologically scored human knee osteochondral plugs by quantitative analysis of magnetic resonance images at 3T. <i>Journal of Orthopaedic Research</i> , 2015, 33, 640-650.	2.3	13
25	Sensitivity and specificity of univariate MRI analysis of experimentally degraded cartilage under clinical imaging conditions. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 136-144.	3.4	8
26	Assessment of chemical exchange in tryptophan-albumin solution through <sup>19</sup> F multicomponent transverse relaxation dispersion analysis. <i>Journal of Biomolecular NMR</i> , 2015, 62, 121-127.	2.8	5
27	Prediction of cartilage compressive modulus using multiexponential analysis of relaxation data and support vector regression. <i>NMR in Biomedicine</i> , 2014, 27, 468-477.	2.8	4
28	Multiparametric Classification of Skin from Osteogenesis Imperfecta Patients and Controls by Quantitative Magnetic Resonance Microimaging. <i>PLoS ONE</i> , 2016, 11, e0157891.	2.5	4
29	Nuclear Magnetic Resonance Spectroscopy in Nanomedicine. <i>Progress in Optical Science and Photonics</i> , 2015, , 59-84.	0.5	2
30	Manganese-enhanced magnetic resonance imaging method detects age-related impairments in axonal transport in mice and attenuation of the impairments by a microtubule-stabilizing compound. <i>Brain Research</i> , 2022, 1789, 147947.	2.2	1
31	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Cell Biology</i> , 2012, 197, i4-i4.	5.2	0
32	Comparison of visceral fat measured by magnetic resonance imaging and dual-energy X-ray absorptiometry in women. <i>FASEB Journal</i> , 2013, 27, 852.9.	0.5	0