Kai Ludwig

List of Publications by Year
in descending order

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23	2,026	758635 12	676716 22
papers	citations	h-index	g-index

24	24	24	3549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection and viability of murine NK cells in vivo in a lymphoma model using fluorineâ€19 MRI. NMR in Biomedicine, 2021, 34, e4600.	1.6	3
2	Impact of ferumoxytol magnetic resonance imaging on the rhesus macaque maternalâ€“fetal interfaceâ€. Biology of Reproduction, 2020, 102, 434-444.	1.2	5
3	MRI evaluation of articular cartilage in patients with juvenile osteochondritis dissecans (JOCD) using T2â^— mapping at 3T. Osteoarthritis and Cartilage, 2020, 28, 1235-1244.	0.6	5
4	Metabolic mapping of glioblastoma stem cells reveals NADH fluxes associated with glioblastoma phenotype and survival. Journal of Biomedical Optics, 2020, 25, 1.	1.4	8
5	Evaluation of the Suitability of Miniature Pigs as an Animal Model of Juvenile Osteochondritis Dissecans. Journal of Orthopaedic Research, 2019, 37, 2130-2137.	1.2	4
6	Three-Dimensional Quantitative Magnetic Resonance Imaging of Epiphyseal Cartilage Vascularity Using Vessel Image Features. JBJS Open Access, 2019, 4, e0031.	0.8	10
7	A novel bioreactor for combined magnetic resonance spectroscopy and optical imaging of metabolism in 3D cell cultures. Magnetic Resonance in Medicine, 2019, 81, 3379-3391.	1.9	12
8	Perfusion of the placenta assessed using arterial spin labeling and ferumoxytol dynamic contrast enhanced magnetic resonance imaging in the rhesus macaque. Magnetic Resonance in Medicine, 2019, 81, 1964-1978.	1.9	23
9	An open source, 3D printed preclinical MRI phantom for repeated measures of contrast agents and reference standards. Biomedical Physics and Engineering Express, 2018, 4, 027005.	0.6	4
10	A chemical shift encoding (CSE) approach for spectral selection in fluorineâ€19 MRI. Magnetic Resonance in Medicine, 2018, 79, 2183-2189.	1.9	10
11	Trans10,cis12 conjugated linoleic acid inhibits proliferation and migration of ovarian cancer cells by inducing ER stress, autophagy, and modulation of Src. PLoS ONE, 2018, 13, e0189524.	1.1	18
12	Magnetic resonance imaging with hyperpolarized agents: methods and applications. Physics in Medicine and Biology, 2017, 62, R81-R123.	1.6	43
13	In Vivo Visualization of Stromal Macrophages via label-free FLIM-based metabolite imaging. Scientific Reports, 2016, 6, 25086.	1.6	65
14	Radiation Promptly Alters Cancer Live Cell Metabolic Fluxes: An In Vitro Demonstration. Radiation Research, 2016, 185, 496.	0.7	5
15	Preparation of 3D Collagen Gels and Microchannels for the Study of 3D Interactions In Vivo. Journal of Visualized Experiments, 2016, , .	0.2	10
16	¹⁹F-MRI for monitoring human NK cellsin vivo. OncoImmunology, 2016, 5, e1143996.	2.1	48
17	Simultaneous imaging of ¹³C metabolism and ¹H structure: technical considerations and potential applications. NMR in Biomedicine, 2015, 28, 576-582.	1.6	13
18	Abstract 1664: A delicate balance between radiation-induced autophagy and apoptosis in HPV-positive head and neck cancer.. , 2013, , .		0

#	Article	IF	Citations
19	Terpenoids from Zingiber officinale (Ginger) Induce Apoptosis in Endometrial Cancer Cells through the Activation of p53. PLoS ONE, 2012, 7, e53178.	1.1	112
20	Fluorescence Lifetime Imaging of Endogenous Fluorophores in Histopathology Sections Reveals Differences Between Normal and Tumor Epithelium in Carcinoma In Situ of the Breast. Cell Biochemistry and Biophysics, 2009, 53, 145-157.	0.9	125
21	Applications of combined spectral lifetime microscopy for biology. BioTechniques, 2006, 41, 249-257.	0.8	32
22	Collagen reorganization at the tumor-stromal interface facilitates local invasion. BMC Medicine, 2006, 4, 38.	2.3	1,417
23	Optical workstation with concurrent, independent multiphoton imaging and experimental laser microbeam capabilities. Review of Scientific Instruments, 2003, 74, 193-201.	0.6	54