Kai Ludwig

List of Publications by Year in Descending Order

22 papers	1,578 citations	10 h-index	24 g-index
24 ext. papers	1,811 ext. citations	3.8 avg, IF	4.01 L-index

#	Paper	IF	Citations
22	Detection and viability of murine NK cells in vivo in a lymphoma model using fluorine-19 MRI. *NMR in Biomedicine*, **2021**, 34, e4600	4.4	0
21	Impact of ferumoxytol magnetic resonance imaging on the rhesus macaque maternal-fetal interface *Biology of Reproduction*, **2020**, 102, 434-444	3.9	2
20	MRI evaluation of articular cartilage in patients with juvenile osteochondritis dissecans (JOCD) using T2* mapping at 3T. *Osteoarthritis and Cartilage*, **2020**, 28, 1235-1244	6.2	0
19	Metabolic mapping of glioblastoma stem cells reveals NADH fluxes associated with glioblastoma phenotype and survival. *Journal of Biomedical Optics*, **2020**, 25, 1-13	3.5	5
18	Evaluation of the Suitability of Miniature Pigs as an Animal Model of Juvenile Osteochondritis Dissecans. *Journal of Orthopaedic Research*, **2019**, 37, 2130-2137	3.8	2
17	Three-Dimensional Quantitative Magnetic Resonance Imaging of Epiphyseal Cartilage Vascularity Using Vessel Image Features: New Insights into Juvenile Osteochondritis Dissecans. *JBJS Open Access*, **2019**, 4,	3.1	4
16	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	4.4	8
15	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	4.4	11
14	An open source, 3D printed preclinical MRI phantom for repeated measures of contrast agents and reference standards. *Biomedical Physics and Engineering Express*, **2018**, 4,	1.5	2
13	A chemical shift encoding (CSE) approach for spectral selection in fluorine-19 MRI. *Magnetic Resonance in Medicine*, **2018**, 79, 2183-2189	4.4	9
12	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	3.7	12
11	Magnetic resonance imaging with hyperpolarized agents: methods and applications. *Physics in Medicine and Biology*, **2017**, 62, R81-R123	3.8	28
10	Preparation of 3D Collagen Gels and Microchannels for the Study of 3D Interactions In Vivo. *Journal of Visualized Experiments*, **2016**,	1.6	9
9	(19)F-MRI for monitoring human NK cells in vivo. *OncoImmunology*, **2016**, 5, e1143996	7.2	38
8	In Vivo Visualization of Stromal Macrophages via label-free FLIM-based metabolite imaging. *Scientific Reports*, **2016**, 6, 25086	4.9	48
7	Radiation Promptly Alters Cancer Live Cell Metabolic Fluxes: An In Vitro Demonstration. *Radiation Research*, **2016**, 185, 496-504	3.1	5
6	Simultaneous imaging of 13C metabolism and 1H structure: technical considerations and potential applications. *NMR in Biomedicine*, **2015**, 28, 576-82	4.4	7

5	Terpenoids from Zingiber officinale (Ginger) induce apoptosis in endometrial cancer cells through the activation of p53. *PLoS ONE*, **2012**, 7, e53178	3.7	86
4	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, 145-57	3.2	102
3	Collagen reorganization at the tumor-stromal interface facilitates local invasion. *BMC Medicine*, **2006**, 4, 38	11.4	1127
2	Applications of combined spectral lifetime microscopy for biology. *BioTechniques*, **2006**, 41, 249, 251, 253 passim	2.5	25
1	Optical workstation with concurrent, independent multiphoton imaging and experimental laser microbeam capabilities. *Review of Scientific Instruments*, **2003**, 74, 193-201	1.7	48