

# Klaas Nicolay

## List of Publications by Year in descending order

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15  
papers

330  
citations

1305906

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1637695

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docs citations

15  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic resonance elastography of skeletal muscle deep tissue injury. NMR in Biomedicine, 2019, 32, e4087.	1.6	14
2	An advanced magnetic resonance imaging perspective on the etiology of deep tissue injury. Journal of Applied Physiology, 2018, 124, 1580-1596.	1.2	16
3	Noninvasive fluence rate mapping in living tissues using magnetic resonance thermometry. Journal of Biomedical Optics, 2017, 22, 036001.	1.4	3
4	A MRI-Compatible Combined Mechanical Loading and MR Elastography Setup to Study Deformation-Induced Skeletal Muscle Damage in Rats. PLoS ONE, 2017, 12, e0169864.	1.1	16
5	Quantitative Multi-Parametric Magnetic Resonance Imaging of Tumor Response to Photodynamic Therapy. PLoS ONE, 2016, 11, e0165759.	1.1	9
6	<sup>89</sup> Zr- and <sup>64</sup> Fe-labeled Polymeric Micelles for Dual Modality PET and T <sub>1</sub> -Weighted MR Imaging. Advanced Healthcare Materials, 2015, 4, 2137-2145.	3.9	21
7	Metformin severely impairs in vivo muscle oxidative capacity in a rat model of type 2 diabetes. FASEB Journal, 2012, 26, 887.14.	0.2	0
8	In vivo cardiac <sup>31</sup> P MRS in a mouse model of heart failure. FASEB Journal, 2012, 26, 887.15.	0.2	0
9	In vivo postprandial lipid partitioning in liver and muscle of diabetic rats is disturbed. FASEB Journal, 2012, 26, 1014.10.	0.2	0
10	Diffusion of water in skeletal muscle tissue is not influenced by compression in a rat model of deep tissue injury. Journal of Biomechanics, 2010, 43, 570-575.	0.9	14
11	Relating muscle phenotype to in vivo mitochondrial function. FASEB Journal, 2010, 24, 1045.10.	0.2	0
12	Computational modelling identifies impact of subtle anatomical variation on skeletal muscle local calcium dynamics. FASEB Journal, 2008, 22, 756.11.	0.2	0
13	In vitro and in silico experiments to identify the influence of temperature on skeletal muscle calcium and force dynamics. FASEB Journal, 2008, 22, 756.5.	0.2	0
14	Skeletal Muscle Degeneration and Regeneration after Femoral Artery Ligation in Mice: Monitoring with Diffusion MR Imaging. Radiology, 2007, 243, 413-421.	3.6	91
15	Role of ischemia and deformation in the onset of compression-induced deep tissue injury: MRI-based studies in a rat model. Journal of Applied Physiology, 2007, 102, 2002-2011.	1.2	146