

Magnus B Lilledahl

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

563
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1082
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Cholesterol Crystals in Atherosclerotic Plaques Using Stimulated Raman Scattering and Second-Harmonic Generation Microscopy. <i>Biophysical Journal</i> , 2012, 102, 1988-1995.	0.5	140
2	Ultrasound-enhanced drug delivery in prostate cancer xenografts by nanoparticles stabilizing microbubbles. <i>Journal of Controlled Release</i> , 2014, 187, 39-49.	9.9	55
3	Alterations in collagen fibre patterns in breast cancer. A premise for tumour invasiveness?. <i>Apmis</i> , 2015, 123, 1-8.	2.0	51
4	Structural Analysis of Articular Cartilage Using Multiphoton Microscopy: Input for Biomechanical Modeling. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1635-1648.	8.9	47
5	Biochemical and Structural Characterization of Neocartilage Formed by Mesenchymal Stem Cells in Alginate Hydrogels. <i>PLoS ONE</i> , 2014, 9, e91662.	2.5	41
6	Polarization second harmonic generation microscopy provides quantitative enhanced molecular specificity for tissue diagnostics. <i>Journal of Biophotonics</i> , 2015, 8, 730-739.	2.3	40
7	Optical investigation of osteoarthritic human cartilage (ICRS grade) by confocal Raman spectroscopy: a pilot study. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8067-8077.	3.7	38
8	Single Cell Confocal Raman Spectroscopy of Human Osteoarthritic Chondrocytes: A Preliminary Study. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9341-9353.	4.1	22
9	Analyzing the feasibility of discriminating between collagen types I and II using polarization-resolved second harmonic generation. <i>Journal of Biophotonics</i> , 2019, 12, e201800090.	2.3	21
10	Nonlinear optical microscopy of early stage (ICRS Grade-I) osteoarthritic human cartilage. <i>Biomedical Optics Express</i> , 2015, 6, 1895.	2.9	18
11	Non-linear optical microscopy of cartilage canals in the distal femur of young pigs may reveal the cause of articular osteochondrosis. <i>BMC Veterinary Research</i> , 2017, 13, 270.	1.9	18
12	Comparison of Compressive Stress-Relaxation Behavior in Osteoarthritic (ICRS Graded) Human Articular Cartilage. <i>International Journal of Molecular Sciences</i> , 2018, 19, 413.	4.1	17
13	Novel imaging technologies for characterization of microbial extracellular polysaccharides. <i>Frontiers in Microbiology</i> , 2015, 06, 525.	3.5	11
14	Automated calibration and control for polarization-resolved second harmonic generation on commercial microscopes. <i>PLoS ONE</i> , 2018, 13, e0195027.	2.5	9
15	The zonal evolution of collagen-network morphology quantified in early osteoarthritic grades of human cartilage. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100086.	2.0	9
16	Second harmonic generation imaging reveals a distinct organization of collagen fibrils in locations associated with cartilage growth. <i>Connective Tissue Research</i> , 2016, 57, 374-387.	2.3	7
17	Non-linear optical microscopy as a novel quantitative and label-free imaging modality to improve the assessment of tissue-engineered cartilage. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1729-1737.	1.3	7
18	Quantifying the hydroxyapatite orientation near the ossification front in a piglet femoral condyle using X-ray diffraction tensor tomography. <i>Scientific Reports</i> , 2021, 11, 2144.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Analysis of human knee osteoarthritic cartilage using polarization sensitive second harmonic generation microscopy. , 2014, , .		3
20	Characterization of cellular and matrix alterations in the early pathogenesis of osteochondritis dissecans in pigs using second harmonic generation and two-photon excitation fluorescence microscopy. Journal of Orthopaedic Research, 2018, 36, 2089-2098.	2.3	2