

Stefanie Dencks

List of Publications by Year in descending order

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33
papers

557
citations

840728

11
h-index

996954

15
g-index

35
all docs

35
docs citations

35
times ranked

406
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization. <i>Nature Communications</i> , 2018, 9, 1527.	12.8	161
2	A method for the estimation of femoral bone mineral density from variables of ultrasound transmission through the human femur. <i>Bone</i> , 2007, 40, 37-44.	2.9	56
3	Clinical Pilot Application of Super-Resolution US Imaging in Breast Cancer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 517-526.	3.0	56
4	Femur ultrasound (FemUS)â€™first clinical results on hip fracture discrimination and estimation of femoral BMD. <i>Osteoporosis International</i> , 2010, 21, 969-976.	3.1	47
5	Optimal Prediction of Bone Mineral Density with Ultrasonic Measurements in Excised Human Femur. <i>Calcified Tissue International</i> , 2005, 77, 186-192.	3.1	40
6	A device for in vivo measurements of quantitative ultrasound variables at the human proximal femur. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1197-1204.	3.0	39
7	In Vivo Measurements of Ultrasound Transmission Through the Human Proximal Femur. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 1186-1190.	1.5	29
8	Model-based estimation of quantitative ultrasound variables at the proximal femur. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1304-1315.	3.0	19
9	Wavelet-Based Signal Processing of In Vitro Ultrasonic Measurements at the Proximal Femur. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 970-980.	1.5	17
10	Assessing Vessel Reconstruction in Ultrasound Localization Microscopy by Maximum Likelihood Estimation of a Zero-Inflated Poisson Model. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1603-1612.	3.0	17
11	Estimation of multipath transmission parameters for quantitative ultrasound measurements of bone. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1884-1895.	3.0	11
12	Lowâ€™Energy Ultrasound Treatment Improves Regional Tumor Vessel Infarction by Retargeted Tissue Factor. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1227-1236.	1.7	11
13	Model-based parameter estimation in the frequency domain for Quantitative Ultrasound measurement of bone. , 2009, , .		7
14	Evaluation of bubble tracking algorithms for super-resolution imaging of microvessels. , 2016, , .		7
15	Assessment of the potential of beamforming for needle enhancement in punctures. , 2015, , .		6
16	Relative Blood Volume Estimation from Clinical Super-Resolution US Imaging in Breast Cancer. , 2018, , .		5
17	Microbubble Tracking with a Nonlinear Motion Model. , 2020, , .		5
18	Needle visibility for deep punctures with curved arrays. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Reliable Motion Estimation in Super-Resolution US by Reducing the Interference of Microbubble Movement. , 2019, , .		3
20	2A-6 Optimization Algorithm for Improved Quantitative Ultrasound Signal Processing at the Proximal Femur. , 2006, , .		2
21	Sonographic visibility of cannulas using convex ultrasound transducers. Biomedizinische Technik, 2019, 64, 691-698.	0.8	2
22	Advancing the Feasible Microbubble Concentration in Super-Resolution. , 2019, , .		2
23	Ultrasound Imaging. Recent Results in Cancer Research, 2020, 216, 135-154.	1.8	2
24	Velocity Filtering with a Median Filter Better Preserves Small Vessels for Ultrasound Localization Microscopy. , 2021, , .		2
25	Determination of adequate measurement times for super-resolution characterization of tumor vascularization. , 2017, , .		1
26	Determination of adequate measurement times for super-resolution characterization of tumor vascularization. , 2017, , .		1
27	Performance of Foreground-Background Separation Algorithms for the Detection of Microbubbles in Super-Resolution Imaging. , 2018, , .		1
28	Maximum-Likelihood Estimation to Assess the Degree of Reconstruction of Microvasculature from Super-Resolution US Imaging. , 2019, , .		1
29	Tissue Motion Estimation of Contrast Enhanced Ultrasound Images with A Stable Principal Component Pursuit. , 2021, , .		1
30	3D Microbubble Localization with a Convolutional Neural Network for Super-Resolution Ultrasound Imaging. , 2021, , .		1
31	Monitoring lesion formation of HIFU-treatment from radiated shear waves. , 2010, , .		0
32	Separation of multipath transmission signals for quantitative ultrasound measurement at bone - A comparison study. , 2012, , .		0
33	Tracking of Microbubbles with a Recurrent Neural Network for Super-Resolution Imaging. , 2020, , .		0