Alain Coron

List of Publications by Year
in descending order

31	524	840585 11	940416 16
papers	citations	h-index	g-index

35	35	35	459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-Dimensional High-Frequency Backscatter and Envelope Quantification of Cancerous Human Lymph Nodes. Ultrasound in Medicine and Biology, 2011, 37, 345-357.	0.7	139
2	Three-Dimensional High-Frequency Characterization of Cancerous Lymph Nodes. Ultrasound in Medicine and Biology, 2010, 36, 361-375.	0.7	84
3	The Filtering Approach to Solvent Peak Suppression in MRS: A Critical Review. Journal of Magnetic Resonance, 2001, 152, 26-40.	1.2	37
4	Water Peak Suppression: Time-Frequency vs Time-Scale Approach. Journal of Magnetic Resonance, 2000, 144, 189-194.	1.2	34
5	Three-dimensional quantitative ultrasound for detecting lymph node metastases. Journal of Surgical Research, 2013, 183, 258-269.	0.8	34
6	Echo-Power Estimation from Log-Compressed Video Data in Dynamic Contrast-Enhanced Ultrasound Imaging. Ultrasound in Medicine and Biology, 2013, 39, 1826-1837.	0.7	27
7	Ultrasonic Backscatter and Attenuation (11â€“27 MHz) Variation with Collagen Fiber Distribution in Ex Vivo Human Dermis. Ultrasonic Imaging, 2006, 28, 23-40.	1.4	25
8	A multiplicative model for improving microvascular flow estimation in dynamic contrast-enhanced ultrasound (DCE-US): theory and experimental validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2284-2294.	1.7	21
9	Modeling the envelope statistics of three-dimensional high-frequency ultrasound echo signals from dissected human lymph nodes. Japanese Journal of Applied Physics, 2014, 53, 07KF22.	0.8	20
10	Optimization of attenuation estimation in reflection for in vivo human dermis characterization at 20 MHz. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 408-418.	1.7	15
11	Three-dimensional segmentation of high-frequency ultrasound echo signals from dissected lymph nodes. , 2008, , .		15
12	High-Frequency Quantitative Ultrasound Imaging of Cancerous Lymph Nodes. Japanese Journal of Applied Physics, 2009, 48, 07GK08.	0.8	12
13	Local Transverse-Slice-Based Level-Set Method for Segmentation of 3-D High-Frequency Ultrasonic Backscatter From Dissected Human Lymph Nodes. IEEE Transactions on Biomedical Engineering, 2017, 64, 1579-1591.	2.5	11
14	Dual-mode registration of dynamic contrast-enhanced ultrasound combining tissue and contrast sequences. Ultrasonics, 2014, 54, 1289-1299.	2.1	7
15	Level-set segmentation of 2D and 3D ultrasound data using local gamma distribution fitting energy. , 2015, , .		6
16	A quantitative ultrasound-based method and device for reliably guiding pathologists to metastatic regions of dissected lymph nodes. , 2012, , .		5
17	Three-dimensional high-frequency characterization of excised human lymph nodes. , 2009, , .		4
18	Assembling 3D histology volumes from sections of cancerous lymph nodes to match 3D high-frequency quantitative ultrasound images. , 2010, , .		4

#	Article	IF	Citations
19	Random forest classification and local region-based, level-set segmentation for quantitative ultrasound of human lymph nodes. , 2015, , .		4
20	Three-dimensional quantitative high-frequency characterization of freshly-excised human lymph nodes. , 2011, , .		3
21	Detection of early therapeutic response with dynamic contrast enhanced ultrasound using a perfusion clustering algorithm. , 2014, , .		3
22	Three-dimensional high-frequency spectral and envelope quantification of excised human lymph nodes. , 2010, , .		2
23	Lymph Explorer: A new GUI using 3D high-frequency quantitative ultrasound methods to guide pathologists towards metastatic regions in human lymph nodes. , 2012, , .		2
24	Three-dimensional quantitative ultrasound to guide pathologists towards metastatic foci in lymph nodes. , 2012, 2012, 1114-7.		2
25	Automatic motion estimation using flow parameters for dynamic contrast-enhanced ultrasound. Physics in Medicine and Biology, 2015, 60, 2117-2133.	1.6	2
26	Effects of Signal Saturation on QUS Parameter Estimates Based on High-Frequency-Ultrasound Signals Acquired From Isolated Cancerous Lymph Nodes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1501-1513.	1.7	2
27	Monitoring Dual VEGF Inhibition in Human Pancreatic Tumor Xenografts With Dynamic Contrast-Enhanced Ultrasound. Technology in Cancer Research and Treatment, 2020, 19, 153303381988689.	0.8	2
28	A multiplicative model to improve microvascular flow evaluation in the context of dynamic contrast-enhanced ultrasound (DCE-US). , 2013, , .		1
29	Spatial-resolution optimization of 3D high-frequency quantitative ultrasound methods to detect metastatic regions in human lymph nodes. , 2013, , .		1
30	High-frequency quantitative ultrasound approaches for cancer detection in freshly-excised lymph nodes. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
31	New reference-free, simultaneous motion-correction and quantification in dynamic contrast-enhanced ultrasound. , 2014, , .		0