Alain Coron

List of Publications by Year in Descending Order

29 papers	402 citations	12 h-index	19 g-index
35 ext. papers	489 ext. citations	2.6 avg, IF	2.62 L-index

#	Paper	IF	Citations
29	Monitoring Dual VEGF Inhibition in Human Pancreatic Tumor Xenografts With Dynamic Contrast-Enhanced Ultrasound. *Technology in Cancer Research and Treatment*, **2020**, 19, 1533033819886896	2.7	1
28	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	5	7
27	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	3.2	1
26	Automatic motion estimation using flow parameters for dynamic contrast-enhanced ultrasound. *Physics in Medicine and Biology*, **2015**, 60, 2117-33	3.8	1
25	Level-set segmentation of 2D and 3D ultrasound data using local gamma distribution fitting energy **2015**,		5
24	Random forest classification and local region-based, level-set segmentation for quantitative ultrasound of human lymph nodes **2015**,		4
23	Modeling the envelope statistics of three-dimensional high-frequency ultrasound echo signals from dissected human lymph nodes. *Japanese Journal of Applied Physics*, **2014**, 53,	1.4	15
22	Detection of early therapeutic response with dynamic contrast enhanced ultrasound using a perfusion clustering algorithm **2014**,		3
21	Dual-mode registration of dynamic contrast-enhanced ultrasound combining tissue and contrast sequences. *Ultrasonics*, **2014**, 54, 1289-99	3.5	6
20	Echo-power estimation from log-compressed video data in dynamic contrast-enhanced ultrasound imaging. *Ultrasound in Medicine and Biology*, **2013**, 39, 1826-37	3.5	21
19	Three-dimensional quantitative ultrasound for detecting lymph node metastases. *Journal of Surgical Research*, **2013**, 183, 258-69	2.5	18
18	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, 2284-94	3.2	20
17	**2013**,		1
16	Backscatter Quantification for the Detection of Metastatic Regions in Human Lymph Nodes **2013**, 147-170		
15	Lymph Explorer: A new GUI using 3D high-frequency quantitative ultrasound methods to guide pathologists towards metastatic regions in human lymph nodes **2012**,		2
14	A quantitative ultrasound-based method and device for reliably guiding pathologists to metastatic regions of dissected lymph nodes **2012**,		5
13	Three-dimensional quantitative ultrasound to guide pathologists towards metastatic foci in lymph nodes. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 1114-7	0.9	2

12	Three-dimensional quantitative high-frequency characterization of freshly-excised human lymph nodes **2011**,		2
11	Three-dimensional high-frequency backscatter and envelope quantification of cancerous human lymph nodes. *Ultrasound in Medicine and Biology*, **2011**, 37, 345-57	3.5	99
10	**2010**,		3
9	**2010**,		1
8	Three-dimensional high-frequency characterization of cancerous lymph nodes. *Ultrasound in Medicine and Biology*, **2010**, 36, 361-75	3.5	57
7	Three-dimensional high-frequency characterization of excised human lymph nodes **2009**,		4
6	High-Frequency Quantitative Ultrasound Imaging of Cancerous Lymph Nodes. *Japanese Journal of Applied Physics*, **2009**, 48, 07GK08	1.4	12
5	Three-dimensional segmentation of high-frequency ultrasound echo signals from dissected lymph nodes **2008**,		14
4	Ultrasonic backscatter and attenuation (11-27 MHz) variation with collagen fiber distribution in ex vivo human dermis. *Ultrasonic Imaging*, **2006**, 28, 23-40	1.9	21
3	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, 408-18	3.2	12
2	The filtering approach to solvent peak suppression in MRS: a critical review. *Journal of Magnetic Resonance*, **2001**, 152, 26-40	3	35
1	Water peak suppression: time-frequency vs time-scale approach. *Journal of Magnetic Resonance*, **2000**, 144, 189-94	3	30