

# Cyril Lafon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7923552/publications.pdf>

Version: 2024-02-01

137  
papers

3,368  
citations

185998

28  
h-index

182168

51  
g-index

144  
all docs

144  
docs citations

144  
times ranked

3014  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Proof of Concept: Protein Delivery into Human Erythrocytes Using Stable Cavitation. <i>Molecular Pharmaceutics</i> , 2022, 19, 929-935.   | 2.3 | 4         |
| 2  | Locoregional therapies and their effects on the tumoral microenvironment of pancreatic ductal adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2022, 28, 1288-1303.   | 1.4 | 10        |
| 3  | Development of a Numerical Model of High-Intensity Focused Ultrasound Treatment in Mobile and Elastic Organs: Application to a Beating Heart. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 1215-1228.                                      | 0.7 | 3         |
| 4  | Pancreatic Ductal Adenocarcinoma: Current and Emerging Therapeutic Uses of Focused Ultrasound. <i>Cancers</i> , 2022, 14, 2577.   | 1.7 | 10        |
| 5  | Evaluation of Pseudorandom Sonications for Reducing Cavitation With a Clinical Neurosurgery HIFU Device. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1224-1233.                                      | 1.7 | 4         |
| 6  | Ultrasound Molecular Imaging for the Guidance of Ultrasound-Triggered Release of Liposomal Doxorubicin and Its Treatment Monitoring in an Orthotopic Prostatic Tumor Model in Rat. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 3420-3434. | 0.7 | 3         |
| 7  | DNA Double-Strand Breaks in Murine Mammary Tumor Cells Induced by Combined Treatment with Doxorubicin and Controlled Stable Cavitation. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2941-2957.  | 0.7 | 8         |
| 8  | Spectral Analysis of Tissue Displacement for Cardiac Activation Mapping: Ex-vivo Working Heart and In-vivo Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, PP, 1-1.                                   | 1.7 | 0         |
| 9  | High Frame Rate Ultrasound for Electromechanical Wave Imaging to Differentiate Endocardial From Epicardial Myocardial Activation. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 405-414.  | 0.7 | 2         |
| 10 | Evaluation of the Uncertainty of Passive Cavitation Measurements for Blood-Brain Barrier Disruption Monitoring. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2736-2743.  | 0.7 | 1         |
| 11 | Confocal lens focused piezoelectric lithotripter. <i>Ultrasonics</i> , 2020, 103, 106066.   | 2.1 | 2         |
| 12 | Blood-brain barrier disruption in humans using an implantable ultrasound device: quantification with MR images and correlation with local acoustic pressure. <i>Journal of Neurosurgery</i> , 2020, 132, 875-883.                                   | 0.9 | 27        |
| 13 | Ultrasound-Induced Blood-Spinal Cord Barrier Opening in Rabbits. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2417-2426.   | 0.7 | 15        |
| 14 | Cavitation-induced release of liposomal chemotherapy in orthotopic murine pancreatic cancer models: A feasibility study. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2019, 43, 669-681.  | 0.7 | 9         |
| 15 | Safety and Feasibility of Repeated and Transient Blood-Brain Barrier Disruption by Pulsed Ultrasound in Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , 2019, 25, 3793-3801.  | 3.2 | 232       |
| 16 | In vitro potentiation of doxorubicin by unseeded controlled non-inertial ultrasound cavitation. <i>Scientific Reports</i> , 2019, 9, 15581.   | 1.6 | 11        |
| 17 | Ultrasound-induced Cavitation enhances the efficacy of Chemotherapy in a 3D Model of Pancreatic Ductal Adenocarcinoma with its microenvironment. <i>Scientific Reports</i> , 2019, 9, 18916.  | 1.6 | 14        |
| 18 | Parametric Shape Optimization of Lens-Focused Piezoelectric Ultrasound Transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 844-850.   | 1.7 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Therapeutic Ultrasound for the Heart: State of the Art. <i>Irbm</i> , 2018, 39, 227-235.   | 3.7 | 7         |
| 20 | Transrectal high-intensity focused ultrasound as focal therapy for posterior deep infiltrating endometriosis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 145-146.                            | 0.9 | 6         |
| 21 | Ultrasonic cavitation induces necrosis and impairs growth in three-dimensional models of pancreatic ductal adenocarcinoma. <i>PLoS ONE</i> , 2018, 13, e0209094.   | 1.1 | 9         |
| 22 | Myocardial Thermal Ablation with a Transesophageal High-Intensity Focused Ultrasound Probe: Experiments on Beating Heart Models. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2625-2636.            | 0.7 | 6         |
| 23 | Review on Biomedical Techniques for Imaging Electrical Impedance. <i>Irbm</i> , 2018, 39, 243-250.   | 3.7 | 17        |
| 24 | Evaluation of a Three-Hydrophone Method for 2-D Cavitation Localization. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 1093-1101.                               | 1.7 | 6         |
| 25 | Transesophageal 2D ultrasound to 3D computed tomography registration for the guidance of a cardiac arrhythmia therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 155007.                            | 1.6 | 7         |
| 26 | Safe long-term repeated disruption of the blood-brain barrier using an implantable ultrasound device: a multiparametric study in a primate model. <i>Journal of Neurosurgery</i> , 2017, 126, 1351-1361.     | 0.9 | 85        |
| 27 | Ultrasound-mediated ocular delivery of therapeutic agents: a review. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 539-550.   | 2.4 | 28        |
| 28 | Doxorubicin Delivery into Tumor Cells by Stable Cavitation without Contrast Agents. <i>Molecular Pharmaceutics</i> , 2017, 14, 441-447.  | 2.3 | 17        |
| 29 | Numerical study of a confocal ultrasonic setup for cavitation creation. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1953-1961.  | 0.5 | 11        |
| 30 | 1D multi-element CMUT arrays for ultrasound thermal therapy. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.3 | 0         |
| 31 | Ultrasound-Guided Transesophageal High-Intensity Focused Ultrasound Cardiac Ablation in a Beating Heart: A Pilot Feasibility Study in Pigs. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1848-1861. | 0.7 | 24        |
| 32 | Clinical trial of blood-brain barrier disruption by pulsed ultrasound. <i>Science Translational Medicine</i> , 2016, 8, 343re2.  | 5.8 | 529       |
| 33 | Enhancement of Fluorescent Probe Penetration into Tumors In Vivo Using Unseeded Inertial Cavitation. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1706-1713.  | 0.7 | 5         |
| 34 | Unseeded Inertial Cavitation for Enhancing the Delivery of Chemotherapies: A Safety Study. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 220-231.  | 0.7 | 16        |
| 35 | Ultrasound-induced opening of the blood-brain barrier to enhance temozolomide and irinotecan delivery: an experimental study in rabbits. <i>Journal of Neurosurgery</i> , 2016, 124, 1602-1610.              | 0.9 | 55        |
| 36 | Numerical study of a confocal ultrasonic setup for creation of cavitation. <i>AIP Conference Proceedings</i> , 2015, , .   | 0.3 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Cardiac shear-wave elastography using a transesophageal transducer: application to the mapping of thermal lesions in ultrasound transesophageal cardiac ablation. <i>Physics in Medicine and Biology</i> , 2015, 60, 7829-7846. | 1.6 | 21        |
| 38 | Development of a confocal ultrasound device using an inertial cavitation control for transfection in-vitro. <i>Journal of Physics: Conference Series</i> , 2015, 656, 012003.   | 0.3 | 6         |
| 39 | Spatial and Temporal Control of Cavitation Allows High In Vitro Transfection Efficiency in the Absence of Transfection Reagents or Contrast Agents. <i>PLoS ONE</i> , 2015, 10, e0134247.                                       | 1.1 | 19        |
| 40 | Acousto-electrical speckle pattern in Lorentz force electrical impedance tomography. <i>Physics in Medicine and Biology</i> , 2015, 60, 3747-3757.  | 1.6 | 30        |
| 41 | New isolated bovine colon model dedicated to colonic ESD hands-on training: development and first evaluation. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 3209-3215.                              | 1.3 | 16        |
| 42 | Evaluation of inertial cavitation activity in tissue through measurement of oxidative stress. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 193-199.   | 3.8 | 9         |
| 43 | Treatment of glaucoma with high intensity focused ultrasound. <i>International Journal of Hyperthermia</i> , 2015, 31, 292-301.   | 1.1 | 13        |
| 44 | High pressure jet injection of viscous solutions for endoscopic submucosal dissection (ESD): first clinical experience. <i>Endoscopy International Open</i> , 2015, 03, E368-E372.  | 0.9 | 7         |
| 45 | Observation of a cavitation cloud in tissue using correlation between ultrafast ultrasound images. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 1256-1264.                        | 1.7 | 12        |
| 46 | Acousto-electrical speckle pattern in Electrical Impedance Tomography. , 2014, , .  |     | 3         |
| 47 | Lorentz-force hydrophone characterization. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014, 61, 353-363.  | 1.7 | 5         |
| 48 | Contribution of Inertial Cavitation in the Enhancement of In Vitro Transscleral Drug Delivery. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1216-1227.   | 0.7 | 16        |
| 49 | High-pressure jet injection of viscous solutions for endoscopic submucosal dissection: a study on ex vivo pig stomachs. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 1742-1747.                    | 1.3 | 18        |
| 50 | A 10.5 cm Ultrasound Link for Deep Implanted Medical Devices. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014, 8, 738-750.   | 2.7 | 56        |
| 51 | Therapeutic efficacy of the combination of doxorubicin-loaded liposomes with inertial cavitation generated by confocal ultrasound in AT2 Dunning rat tumour model. <i>Journal of Drug Targeting</i> , 2014, 22, 688-697.        | 2.1 | 17        |
| 52 | Imaging of Shear Waves Induced by Lorentz Force in Soft Tissues. <i>Physical Review Letters</i> , 2014, 113, 038101.  | 2.9 | 20        |
| 53 | Short- and Long-Term Effects on the Ciliary Body and the Aqueous Outflow Pathways of High-Intensity Focused Ultrasound Cyclocoagulation. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2096-2106.                       | 0.7 | 41        |
| 54 | Non-invasive Magnetic Resonance Imaging Follow-up of Sono-sensitive Liposome Tumor Delivery and Controlled Release After High-Intensity Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2342-2350.    | 0.7 | 13        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Ultrasound-guided transesophageal HIFU exposures for atrial fibrillation treatment: First animal experiment. <i>Irbm</i> , 2013, 34, 315-318.  | 3.7 | 7         |
| 56 | Lorentz force electrical impedance tomography. <i>Irbm</i> , 2013, 34, 357-360.  | 3.7 | 59        |
| 57 | In vivo monitoring of liposomal release in tumours following ultrasound stimulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 526-531.  | 2.0 | 32        |
| 58 | Imaging of shear waves induced by Lorentz force in soft solids. , 2013, , .  |     | 0         |
| 59 | Detection of deeply implanted impedance-switching devices using ultrasound doppler. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1074-1083.  | 1.7 | 3         |
| 60 | Opening of the blood-brain barrier with an unfocused ultrasound device in rabbits. <i>Journal of Neurosurgery</i> , 2013, 119, 887-898.  | 0.9 | 57        |
| 61 | A multi-element interstitial ultrasound applicator for the thermal therapy of brain tumors. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 1647-1655.  | 0.5 | 21        |
| 62 | Design and evaluation of a transesophageal HIFU probe for ultrasound-guided cardiac ablation: simulation of a HIFU mini-maze procedure and preliminary ex vivo trials. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1868-1883. | 1.7 | 30        |
| 63 | Electromagnetic tomographic ultrasonic sensor. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .   | 0.3 | 1         |
| 64 | Electromagnetic hydrophone for high-intensity focused ultrasound (HIFU) measurement. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .   | 0.3 | 4         |
| 65 | TU-E-144-01: Advanced Novel Technologies & Therapeutic Strategies. <i>Medical Physics</i> , 2013, 40, 451-451.   | 1.6 | 0         |
| 66 | High-intensity focused ultrasound liver destruction through the gastric wall under endoscopic ultrasound control: first experience in living pigs. <i>Endoscopy</i> , 2012, 44, E376-E377.   | 1.0 | 12        |
| 67 | MR-guided interstitial thermal therapy for the treatment of brain tumors with a multi-element ultrasound probe. , 2012, , .  |     | 1         |
| 68 | Electromagnetic hydrophone with tomographic system for absolute velocity field mapping. <i>Applied Physics Letters</i> , 2012, 100, .  | 1.5 | 18        |
| 69 | Feasibility study of cavitation-induced liposomal doxorubicin release in an AT2 Dunning rat tumor model. <i>Journal of Drug Targeting</i> , 2012, 20, 691-702.   | 2.1 | 13        |
| 70 | Therapeutic applications of ultrasound in ophthalmology. <i>International Journal of Hyperthermia</i> , 2012, 28, 405-418.   | 1.1 | 64        |
| 71 | Heart ablation using a planar rectangular high intensity ultrasound transducer and MRI guidance. <i>Ultrasonics</i> , 2012, 52, 821-829.   | 2.1 | 8         |
| 72 | Theoretical study for safe and efficient energy transfer to deeply implanted devices using ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012, 59, 1674-1685.   | 1.7 | 18        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Miniaturized High-Intensity Focused Ultrasound Device in Patients with Glaucoma: A Clinical Pilot Study. , 2011, 52, 8747.   |     | 88        |
| 74 | Heart ablation using a planar rectangular high intensity focused ultrasound transducer and MRI guidance. AIP Conference Proceedings, 2011, , .   | 0.3 | 0         |
| 75 | Development of a Miniaturized HIFU Device for Glaucoma Treatment With Conformal Coagulation of the Ciliary Bodies. Ultrasound in Medicine and Biology, 2011, 37, 742-754.  | 0.7 | 58        |
| 76 | Validation of an acoustic cavitation dose with hydroxyl radical production generated by inertial cavitation in pulsed mode: Application to in vitro drug release from liposomes. Ultrasonics Sonochemistry, 2011, 18, 577-588. | 3.8 | 40        |
| 77 | WE-C-220-02: Development of a Miniature Ultrasonic Device for Conformal Cyclocoagulation : From Transducer Design to Early Clinical Trials. Medical Physics, 2011, 38, 3812-3812.  | 1.6 | 1         |
| 78 | <i>In Vivo</i>Evaluation of a Mechanically Oscillating Dual-Mode Applicator for Ultrasound Imaging and Thermal Ablation. IEEE Transactions on Biomedical Engineering, 2010, 57, 80-92.   | 2.5 | 12        |
| 79 | Liver Vessels Segmentation Using a Hybrid Geometrical Moments/Graph Cuts Method. IEEE Transactions on Biomedical Engineering, 2010, 57, 276-283.   | 2.5 | 64        |
| 80 | Automatic temperature control for MR-guided interstitial ultrasound ablation in liver using a percutaneous applicator: Ex vivo and in vivo initial studies. Magnetic Resonance in Medicine, 2010, 63, 667-679.                 | 1.9 | 23        |
| 81 | Dual-mode transducers for ultrasound imaging and thermal therapy. Ultrasonics, 2010, 50, 216-220.  | 2.1 | 38        |
| 82 | Histologic Effects of a New Device for High-Intensity Focused Ultrasound Cyclocoagulation. , 2010, 51, 5092.   |     | 70        |
| 83 | In-vitro platform to study ultrasound as source for wireless energy transfer and communication for implanted medical devices. , 2010, 2010, 3751-4.  |     | 32        |
| 84 | Suitable acoustic paths to transfer energy in depth using ultrasound. , 2010, 2010, 6694-7.  |     | 2         |
| 85 | Interstitial thermal ablation with a fast rotating dual-mode transducer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1066-1095.   | 1.7 | 7         |
| 86 | Dual-mode 5-element transducer for image-guided interstitial ultrasound therapy: In vitro evaluation. , 2009, , .  |     | 1         |
| 87 | Feasibility of using ultrasound contrast agents to increase the size of thermal lesions induced by non-focused transducers: In vitro demonstration in tissue mimicking phantom. Ultrasonics, 2009, 49, 172-178.                | 2.1 | 9         |
| 88 | Blood Clot Disruption in vitro Using Shockwaves Delivered by an Extracorporeal Generator after Pre-Exposure to Lytic Agent. Ultrasound in Medicine and Biology, 2009, 35, 985-990.   | 0.7 | 6         |
| 89 | DÃ©veloppement dÃ©un dispositif expÃ©rimental ultrasonore pour le largage ciblÃ© et contrÃ©le dÃ©une chimiothÃ©rapie encapsulÃ©e. Irbm, 2009, 30, 171-173.   | 3.7 | 2         |
| 90 | Dual-Mode Ultrasound Transducer for Image-Guided Interstitial Thermal Therapy. Ultrasound in Medicine and Biology, 2008, 34, 607-616.  | 0.7 | 42        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Delivery by shock waves of active principle embedded in gelatin-based capsules. Ultrasonics Sonochemistry, 2008, 15, 808-814.   | 3.8 | 11        |
| 92  | Percutaneous Sonographically Guided Interstitial US Ablation: Experimentation in an In Vivo Pig Liver Model. Journal of Vascular and Interventional Radiology, 2008, 19, 1749-1756.                                       | 0.2 | 8         |
| 93  | 3-D Modeling of the Thermal Coagulation Necrosis Induced by an Interstitial Ultrasonic Transducer. IEEE Transactions on Biomedical Engineering, 2008, 55, 833-837.  | 2.5 | 19        |
| 94  | Morphological Analysis of the Interstitial Ultrasonic Ablation in Porcine Liver in vivo. European Surgical Research, 2008, 41, 24-32.   | 0.6 | 2         |
| 95  | In vitro evaluation of an oscillating dual-mode ultrasound probe for sector imaging and directive therapy. , 2008, 2008, 3669-72.   |     | 2         |
| 96  | Endoluminal ultrasound applicator with an integrated RF coil for high-resolution magnetic resonance imaging-guided high-intensity contact ultrasound thermotherapy. Physics in Medicine and Biology, 2008, 53, 6549-6567. | 1.6 | 18        |
| 97  | Interstitial devices for minimally invasive thermal ablation by high-intensity ultrasound. International Journal of Hyperthermia, 2007, 23, 153-163.  | 1.1 | 45        |
| 98  | Accurate Temperature Feedback Control for MRI-Guided, Phased Array HICU Endocavitary Therapy. AIP Conference Proceedings, 2007, , .   | 0.3 | 0         |
| 99  | Developing an Interstitial Ultrasound Applicator for Thermal Ablation in Liver: Results of Animal Experiments. Journal of Surgical Research, 2007, 142, 81-89.  | 0.8 | 17        |
| 100 | Automatic feedback control of the temperature for MRI-guided therapeutic ultrasound. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 222-5.                          | 0.5 | 3         |
| 101 | MONITORING AND FOLLOW UP OF HIFU LESIONS BY ULTRASOUND. , 2007, , .   |     | 5         |
| 102 | Two Treatment Strategies Using a Therapy / Imaging Rotating Transducer. AIP Conference Proceedings, 2007, , .   | 0.3 | 1         |
| 103 | High intensity ultrasound clamp for bloodless partial nephrectomy: In vitro and in vivo experiments. Ultrasound in Medicine and Biology, 2007, 33, 105-112.   | 0.7 | 8         |
| 104 | An Ultrasonic Clamp for Bloodless Partial Nephrectomy. AIP Conference Proceedings, 2007, , .  | 0.3 | 0         |
| 105 | Bloodless partial nephrectomy with a new high-intensity collimated ultrasonic coagulating applicator in the porcine model. Urology, 2006, 68, 226-230.  | 0.5 | 6         |
| 106 | Use of a bovine eye lens for observation of HIFU-induced lesions in real-time. Ultrasound in Medicine and Biology, 2006, 32, 1731-1741.   | 0.7 | 13        |
| 107 | Transpleurodiaphragmatic cryosurgical ablation for recurrent unresectable colorectal liver metastases. Journal of Surgical Oncology, 2006, 93, 268-272.   | 0.8 | 2         |
| 108 | Interstitial devices for treating deep seated tumors. AIP Conference Proceedings, 2006, , .   | 0.3 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | MRI-guided Therapeutic Ultrasound : In vitro Validation of a New MR Compatible, Phased Array, Contact Endorectal Ultrasound Transducer with Active Feedback Control of Temperature Evolution. AIP Conference Proceedings, 2006, , . | 0.3 | 0         |
| 110 | Initiate and Maintain Cavitation by Combining High Amplitude Bursts and Continuous Ultrasound Exposure in Culture Medium. AIP Conference Proceedings, 2006, , .   | 0.3 | 1         |
| 111 | Determination of the nonlinear parameter by propagating and modeling finite amplitude plane waves. Journal of the Acoustical Society of America, 2006, 119, 2639-2644.  | 0.5 | 19        |
| 112 | P1D-4 Fast Rotating Single Element Ultrasound Transducer for Image-Guided Thermal. , 2006, , .  |     | 0         |
| 113 | 5J-1 Simultaneous Imaging and Therapeutic Ultrasound (Invited). , 2006, , .   |     | 3         |
| 114 | Monitoring the formation of thermal lesions with heat-induced echo-strain imaging: A feasibility study. Ultrasound in Medicine and Biology, 2005, 31, 251-259.  | 0.7 | 93        |
| 115 | Gel phantom for use in high-intensity focused ultrasound dosimetry. Ultrasound in Medicine and Biology, 2005, 31, 1383-1389.  | 0.7 | 221       |
| 116 | Bloodless Partial Nephrectomy Through Application of Non-Focused High-Intensity Ultrasound. AIP Conference Proceedings, 2005, , .   | 0.3 | 2         |
| 117 | Safety Issues for HIFU Transducer Design. AIP Conference Proceedings, 2005, , .   | 0.3 | 8         |
| 118 | Feasibility of a transurethral ultrasound applicator for coagulation in prostate. Ultrasound in Medicine and Biology, 2004, 30, 113-122.  | 0.7 | 24        |
| 119 | Transoesophageal ultrasound applicator for sector-based thermal ablation: first in vivo experiments. Ultrasound in Medicine and Biology, 2003, 29, 285-291.   | 0.7 | 29        |
| 120 | Mechanisms of lesion formation in high intensity focused ultrasound therapy. Acoustics Research Letters Online: ARLO, 2003, 4, 41-46.   | 0.7 | 58        |
| 121 | Optimizing the shape of ultrasound transducers for interstitial thermal ablation. Medical Physics, 2002, 29, 290-297.   | 1.6 | 24        |
| 122 | Ultrasound cylindrical phased array for transoesophageal thermal therapy: initial studies. Physics in Medicine and Biology, 2002, 47, 4191-4203.  | 1.6 | 20        |
| 123 | Endoscopic treatment of cholangiocarcinoma and carcinoma of the duodenal papilla by intraductal high-intensity US: Results of a pilot study. Gastrointestinal Endoscopy, 2002, 56, 909-915.   | 0.5 | 48        |
| 124 | Endoscopic treatment of cholangiocarcinoma and carcinoma of the duodenal papilla by intraductal high-intensity US: Results of a pilot study. Gastrointestinal Endoscopy, 2002, 56, 909-915.   | 0.5 | 50        |
| 125 | Destruction of a bile duct carcinoma by intraductal high intensity ultrasound during ERCP. Gastrointestinal Endoscopy, 2001, 53, 797-800.   | 0.5 | 24        |
| 126 | The feasibility of constructing a cylindrical array with a plane rotating beam for interstitial thermal surgery. Ultrasonics, 2000, 37, 615-621.  | 2.1 | 9         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Development of an interstitial ultrasound applicator for endoscopic procedures: animal experimentation. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 669-675.  | 0.7 | 29        |
| 128 | Cylindrical thermal coagulation necrosis using an interstitial applicator with a plane ultrasonic transducer: in vitro and in vivo experiments versus computer simulations. <i>International Journal of Hyperthermia</i> , 2000, 16, 508-522. | 1.1 | 35        |
| 129 | Theoretical comparison of two interstitial ultrasound applicators designed to induce cylindrical zones of tissue ablation. <i>Medical and Biological Engineering and Computing</i> , 1999, 37, 298-303.                                       | 1.6 | 24        |
| 130 | A high-intensity US probe designed for intraductal tumor destruction: experimental results. <i>Gastrointestinal Endoscopy</i> , 1999, 50, 388-392.  | 0.5 | 26        |
| 131 | Design and in vitro results of a high intensity ultrasound interstitial applicator. <i>Ultrasonics</i> , 1998, 36, 683-687.   | 2.1 | 14        |
| 132 | Design and preliminary results of an ultrasound applicator for interstitial thermal coagulation. <i>Ultrasound in Medicine and Biology</i> , 1998, 24, 113-122.   | 0.7 | 66        |
| 133 | In vivo effects of interstitial ultrasound plane applicator on Dunning tumours. , 0, , .  |     | 1         |
| 134 | Ultrasound interstitial applicator for digestive endoscopy: in vivo destruction of biliary tissues. , 0, , .  |     | 3         |
| 135 | Development and characterization of an innovative synthetic tissue-mimicking material for high intensity focused ultrasound (HIFU) exposures. , 0, , .  |     | 13        |
| 136 | The feasibility of developing a 64-elements cylindrical phased array for intraductal thermal ablation. , 0, , .   |     | 0         |
| 137 | Feasibility of haemostasis in prostate using a flat trans-urethral transducer. , 0, , .   |     | 0         |