

Ferenc Jolesz

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,580
citations

172457

29
h-index

254184

43
g-index

60
all docs

60
docs citations

60
times ranked

4921
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavitation-enhanced nonthermal ablation in deep brain targets: feasibility in a large animal model. <i>Journal of Neurosurgery</i> , 2016, 124, 1450-1459.	1.6	52
2	Potential of minimally invasive procedures in the treatment of uterine fibroids: a focus on magnetic resonance-guided focused ultrasound therapy. <i>International Journal of Women's Health</i> , 2015, 7, 901.	2.6	19
3	Nonthermal ablation with microbubble-enhanced focused ultrasound close to the optic tract without affecting nerve function. <i>Journal of Neurosurgery</i> , 2013, 119, 1208-1220.	1.6	39
4	Neuronavigation in the surgical management of brain tumors: current and future trends. <i>Expert Review of Medical Devices</i> , 2012, 9, 491-500.	2.8	189
5	Transcranial Magnetic Resonance Imaging-guided Focused Ultrasound Surgery of Brain Tumors. <i>Neurosurgery</i> , 2010, 66, 323-332.	1.1	504
6	Evaluation of three-dimensional temperature distributions produced by a low-frequency transcranial focused ultrasound system within ex vivo human skulls. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 1967-1976.	3.0	23
7	An Intraoperative Brain Shift Monitor Using Shear Mode Transcranial Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2009, 28, 191-203.	1.7	22
8	Focused Ultrasound Effects on Nerve Action Potential in vitro. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1737-1747.	1.5	133
9	Image-Guided Thermal Therapy of Uterine Fibroids. <i>Seminars in Ultrasound, CT and MRI</i> , 2009, 30, 91-104.	1.5	53
10	HIGH-INTENSITY FOCUSED ULTRASOUND SURGERY OF THE BRAIN. <i>Neurosurgery</i> , 2009, 64, 201-211.	1.1	136
11	MR imaging FOLLOW UP after MR-guided Focused Ultrasound Surgery for uterine leiomyomas – Early and mid term results. <i>Interventional Medicine & Applied Science</i> , 2009, 1, 46-51.	0.2	0
12	Evaluation of referenceless thermometry in MRI-guided focused ultrasound surgery of uterine fibroids. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1026-1032.	3.4	46
13	Swimming capsule endoscope using static and RF magnetic field of MRI for propulsion. , 2008, , .		26
14	Flagellar swimming for medical micro robots: Theory, experiments and application. , 2008, , .		31
15	Defining the rectal dose constraint for permanent radioactive seed implantation of the prostate. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2008, 26, 147-152.	1.6	11
16	MRI-Guided FUS and its Clinical Applications. , 2008, , 275-307.		0
17	Fast Regularized Parallel Imaging in an MR Image-Guided Therapy Application. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007, , .	0.0	1
18	Non-rigid alignment of pre-operative MRI, fMRI, and DT-MRI with intra-operative MRI for enhanced visualization and navigation in image-guided neurosurgery. <i>NeuroImage</i> , 2007, 35, 609-624.	4.2	180

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19	A dynamic and extensible workflow-oriented software framework for image-guided therapy. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 221-229.	2.8	6
20	Grid-Enabled Software Environment for Enhanced Dynamic Data-Driven Visualization and Navigation During Image-Guided Neurosurgery. Lecture Notes in Computer Science, 2007, , 980-987.	1.3	0
21	Brain arterioles show more active vesicular transport of blood-borne tracer molecules than capillaries and venules after focused ultrasound-evoked opening of the blood-brain barrier. Ultrasound in Medicine and Biology, 2006, 32, 1399-1409.	1.5	149
22	Evaluation of Referenceless Thermometry in MRI-Guided Focused Ultrasound Surgery of Uterine Fibroids. AIP Conference Proceedings, 2006, , .	0.4	1
23	FUTURE OF MAGNETIC RESONANCE IMAGING AND MAGNETIC RESONANCE SPECTROSCOPY IN ONCOLOGY. ANZ Journal of Surgery, 2005, 75, 372-372.	0.7	3
24	Cellular mechanisms of the blood-brain barrier opening induced by ultrasound in presence of microbubbles. Ultrasound in Medicine and Biology, 2004, 30, 979-989.	1.5	514
25	MRI Guidance of Focused Ultrasound Therapy of Uterine Fibroids: Early Results. American Journal of Roentgenology, 2004, 183, 1713-1719.	2.2	370
26	Comparing PSA outcome after radical prostatectomy or magnetic resonance imaging-guided partial prostatic irradiation in select patients with clinically localized adenocarcinoma of the prostate. Urology, 2003, 62, 1063-1067.	1.0	53
27	MRI monitoring of the thermal ablation of tissue: Effects of long exposure times. Journal of Magnetic Resonance Imaging, 2001, 13, 421-427.	3.4	70
28	Use of structural magnetic resonance imaging to predict who will get Alzheimer's disease. Annals of Neurology, 2000, 47, 430-439.	5.3	607
29	Use of structural magnetic resonance imaging to predict who will get Alzheimer's disease. Annals of Neurology, 2000, 47, 430-439.	5.3	14
30	Transsphenoidal resection of pituitary adenomas in an intraoperative MRI unit. Pituitary, 1999, 2, 155-162.	2.9	99
31	Assessing suspected spinal cord compression. Supportive Care in Cancer, 1999, 7, 31-38.	2.2	35
32	Periventricular white matter injury in the premature infant is followed by reduced cerebral cortical gray matter volume at term. Annals of Neurology, 1999, 46, 755-760.	5.3	506
33	Craniotomy for Tumor Treatment in an Intraoperative Magnetic Resonance Imaging Unit. Neurosurgery, 1999, 45, 423-433.	1.1	289
34	Nonlinear Registration and Template-Driven Segmentation. , 1999, , 67-84.		39
35	Suspected spinal cord compression in breast cancer patients: A multidisciplinary risk assessment. Breast Cancer Research and Treatment, 1998, 51, 121-131.	2.5	36
36	Excision of Cortical Dysplasia in the Language Area with Use of a Surgical Navigator: A Case Report. Epilepsia, 1998, 39, 1361-1366.	5.1	3

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37	MRI evaluation of thermal ablation of tumors with focused ultrasound. Journal of Magnetic Resonance Imaging, 1998, 8, 91-100.	3.4	169
38	Functional MRI of the lumbar spine in erect position in a superconducting open-configuration MR system: Preliminary results. Journal of Magnetic Resonance Imaging, 1998, 8, 1329-1333.	3.4	83
39	VIRTUAL OTOSCOPY. Otolaryngologic Clinics of North America, 1998, 31, 383-392.	1.1	34
40	Three-dimensional image reconstruction for low-grade glioma surgery. Neurosurgical Focus, 1998, 4, E9.	2.3	15
41	Three-dimensional reconstruction and surgical navigation in pediatric epilepsy surgery. Lecture Notes in Computer Science, 1998, , 74-83.	1.3	5
42	Three-Dimensional Reconstruction and Surgical Navigation in Pediatric Epilepsy Surgery. Pediatric Neurosurgery, 1997, 27, 304-310.	0.7	26
43	An interactive procedure for extracting features of the brain from magnetic resonance images: The lobes. , 1997, 5, 355-363.		38
44	Noninvasive arterial occlusion using MRI-guided focused ultrasound. Ultrasound in Medicine and Biology, 1996, 22, 1071-1077.	1.5	169
45	Interventional Magnetic Resonance Therapy. Seminars in Interventional Radiology, 1995, 12, 20-27.	0.8	37
46	Lack of association between fibromyalgia syndrome and abnormalities in muscle energy metabolism. Arthritis and Rheumatism, 1994, 37, 794-800.	6.7	125
47	Video Registration Virtual Reality for Nonlinkage Stereotactic Surgery. Stereotactic and Functional Neurosurgery, 1994, 63, 139-143.	1.5	78
48	Computer-Assisted Three-Dimensional Planning in Craniofacial Surgery. Plastic and Reconstructive Surgery, 1993, 92, 576-585.	1.4	213
49	Present and Future Applications of Lasers in Neurosurgery. Keio Journal of Medicine, 1993, 42, 169-170.	1.1	3
50	4D Connected component labelling applied to quantitative analysis of MS lesion temporal development. , 1992, , .		16
51	Computer assisted planning of surgical procedures. , 1992, , .		0
52	Three-Dimensional Segmentation of MR Images of the Head Using Probability and Connectivity. Journal of Computer Assisted Tomography, 1990, 14, 1037-1045.	0.9	310