

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	Use of structural magnetic resonance imaging to predict who will get Alzheimer's disease. <i>Annals of Neurology</i> , 2000, 47, 430-439.	5.3	607
2	Cellular mechanisms of the blood-brain barrier opening induced by ultrasound in presence of microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 979-989.	1.5	514
3	Periventricular white matter injury in the premature infant is followed by reduced cerebral cortical gray matter volume at term. <i>Annals of Neurology</i> , 1999, 46, 755-760.	5.3	506
4	Transcranial Magnetic Resonance Imagingâ€“ Guided Focused Ultrasound Surgery of Brain Tumors. <i>Neurosurgery</i> , 2010, 66, 323-332.	1.1	504
5	MRI Guidance of Focused Ultrasound Therapy of Uterine Fibroids: Early Results. <i>American Journal of Roentgenology</i> , 2004, 183, 1713-1719.	2.2	370
6	Three-Dimensional Segmentation of MR Images of the Head Using Probability and Connectivity. <i>Journal of Computer Assisted Tomography</i> , 1990, 14, 1037-1045.	0.9	310
7	Craniotomy for Tumor Treatment in an Intraoperative Magnetic Resonance Imaging Unit. <i>Neurosurgery</i> , 1999, 45, 423-433.	1.1	289
8	Computer-Assisted Three-Dimensional Planning in Craniofacial Surgery. <i>Plastic and Reconstructive Surgery</i> , 1993, 92, 576-585.	1.4	213
9	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
10	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
11	Noninvasive arterial occlusion using MRI-guided focused ultrasound. <i>Ultrasound in Medicine and Biology</i> , 1996, 22, 1071-1077.	1.5	169
12	MRI evaluation of thermal ablation of tumors with focused ultrasound. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 91-100.	3.4	169
13	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. <i>Ultrasound in Medicine and Biology</i> , 2006, 32, 1399-1409.	1.5	149
14	HIGH-INTENSITY FOCUSED ULTRASOUND SURGERY OF THE BRAIN. <i>Neurosurgery</i> , 2009, 64, 201-211.	1.1	136
15	Focused Ultrasound Effects on Nerve Action Potential in vitro. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1737-1747.	1.5	133
16	Lack of association between fibromyalgia syndrome and abnormalities in muscle energy metabolism. <i>Arthritis and Rheumatism</i> , 1994, 37, 794-800.	6.7	125
17	Transsphenoidal resection of pituitary adenomas in an intraoperative MRI unit. <i>Pituitary</i> , 1999, 2, 155-162.	2.9	99
18	Functional MRI of the lumbar spine in erect position in a superconducting open-configuration MR system: Preliminary results. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 1329-1333.	3.4	83

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19	Video Registration Virtual Reality for Nonlinkage Stereotactic Surgery. Stereotactic and Functional Neurosurgery, 1994, 63, 139-143.	1.5	78
20	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
21	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
22	Image-Guided Thermal Therapy of Uterine Fibroids. Seminars in Ultrasound, CT and MRI, 2009, 30, 91-104.	1.5	53
23	Cavitation-enhanced nonthermal ablation in deep brain targets: feasibility in a large animal model. Journal of Neurosurgery, 2016, 124, 1450-1459.	1.6	52
24	Evaluation of referenceless thermometry in MRI-guided focused ultrasound surgery of uterine fibroids. Journal of Magnetic Resonance Imaging, 2008, 28, 1026-1032.	3.4	46
25	Nonthermal ablation with microbubble-enhanced focused ultrasound close to the optic tract without affecting nerve function. Journal of Neurosurgery, 2013, 119, 1208-1220.	1.6	39
26	Nonlinear Registration and Template-Driven Segmentation. , 1999, , 67-84.		39
27	An interactive procedure for extracting features of the brain from magnetic resonance images: The lobes. , 1997, 5, 355-363.		38
28	Interventional Magnetic Resonance Therapy. Seminars in Interventional Radiology, 1995, 12, 20-27.	0.8	37
29	Suspected spinal cord compression in breast cancer patients: A multidisciplinary risk assessment. Breast Cancer Research and Treatment, 1998, 51, 121-131.	2.5	36
30	Assessing suspected spinal cord compression. Supportive Care in Cancer, 1999, 7, 31-38.	2.2	35
31	VIRTUAL OTOSCOPY. Otolaryngologic Clinics of North America, 1998, 31, 383-392.	1.1	34
32	Flagellar swimming for medical micro robots: Theory, experiments and application. , 2008, , .		31
33	Three-Dimensional Reconstruction and Surgical Navigation in Pediatric Epilepsy Surgery. Pediatric Neurosurgery, 1997, 27, 304-310.	0.7	26
34	Swimming capsule endoscope using static and RF magnetic field of MRI for propulsion. , 2008, , .		26
35	Evaluation of three-dimensional temperature distributions produced by a low-frequency transcranial focused ultrasound system within ex vivo human skulls. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1967-1976.	3.0	23
36	An Intraoperative Brain Shift Monitor Using Shear Mode Transcranial Ultrasound. Journal of Ultrasound in Medicine, 2009, 28, 191-203.	1.7	22

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37	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
38	4D Connected component labelling applied to quantitative analysis of MS lesion temporal development. , 1992, , .		16
39	Three-dimensional image reconstruction for low-grade glioma surgery. <i>Neurosurgical Focus</i> , 1998, 4, E9.	2.3	15
40	Use of structural magnetic resonance imaging to predict who will get Alzheimer's disease. <i>Annals of Neurology</i> , 2000, 47, 430-439.	5.3	14
41	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
42	A dynamic and extensible workflow-oriented software framework for image-guided therapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2007, 2, 221-229.	2.8	6
43	Three-dimensional reconstruction and surgical navigation in pediatric epilepsy surgery. <i>Lecture Notes in Computer Science</i> , 1998, , 74-83.	1.3	5
44	Excision of Cortical Dysplasia in the Language Area with Use of a Surgical Navigator: A Case Report. <i>Epilepsia</i> , 1998, 39, 1361-1366.	5.1	3
45	FUTURE OF MAGNETIC RESONANCE IMAGING AND MAGNETIC RESONANCE SPECTROSCOPY IN ONCOLOGY. <i>ANZ Journal of Surgery</i> , 2005, 75, 372-372.	0.7	3
46	Present and Future Applications of Lasers in Neurosurgery. <i>Keio Journal of Medicine</i> , 1993, 42, 169-170.	1.1	3
47	Evaluation of Referenceless Thermometry in MRI-Guided Focused Ultrasound Surgery of Uterine Fibroids. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
48	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
49	Computer assisted planning of surgical procedures. , 1992, , .		0
50	Grid-Enabled Software Environment for Enhanced Dynamic Data-Driven Visualization and Navigation During Image-Guided Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2007, , 980-987.	1.3	0
51	MRI-Guided FUS and its Clinical Applications. , 2008, , 275-307.		0
52	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