

# Pierre Jannin

## List of Publications by Year in descending order

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Version: 2024-02-01

166  
papers

4,542  
citations

109321

35  
h-index

123424

61  
g-index

176  
all docs

176  
docs citations

176  
times ranked

4618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethical implications of AI in robotic surgical training: A Delphi consensus statement. <i>European Urology Focus</i> , 2022, 8, 613-622.	3.1	23
2	Review of automated performance metrics to assess surgical technical skills in robot-assisted laparoscopy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 853-870.	2.4	9
3	Surgical data science "from concepts toward clinical translation. <i>Medical Image Analysis</i> , 2022, 76, 102306.	11.6	107
4	Bias in machine learning for computer-assisted surgery and medical image processing. <i>Computer Assisted Surgery</i> , 2022, 27, 1-3.	1.3	3
5	A Delphi consensus statement for digital surgery. <i>Npj Digital Medicine</i> , 2022, 5, .	10.9	28
6	Combining simple interactivity and machine learning: a separable deep learning approach to subthalamic nucleus localization and segmentation in MRI for deep brain stimulation surgical planning. <i>Journal of Medical Imaging</i> , 2022, 9, .	1.5	2
7	<scp>Voxel-based</scp> dikiometry: Combining convolutional neural networks with voxel-based analysis and its application in diffusion tensor imaging for Parkinson's disease. <i>Human Brain Mapping</i> , 2022, 43, 4835-4851.	3.6	3
8	Frontotemporal dementia subtypes based on behavioral inhibition deficits. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12178.	2.4	6
9	Segmentation of the subthalamic nucleus in MRI via Convolutional Neural Networks for deep brain stimulation planning. , 2021, , .		2
10	Metrics used to evaluate obstetric ultrasound skills on simulators: A systematic review. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2021, 258, 16-22.	1.1	4
11	Data imputation and compression for Parkinson's disease clinical questionnaires. <i>Artificial Intelligence in Medicine</i> , 2021, 114, 102051.	6.5	11
12	"œDoctor, please" Educating Nurses to Speak Up With Interactive Digital Simulation Tablets. <i>Clinical Simulation in Nursing</i> , 2021, 54, 97-104.	3.0	3
13	Training situational awareness for scrub nurses: Error recognition in a virtual operating room. <i>Nurse Education in Practice</i> , 2021, 53, 103056.	2.6	16
14	Extending convolutional neural networks for localizing the subthalamic nucleus from micro-electrode recordings in Parkinson's disease. <i>Biomedical Signal Processing and Control</i> , 2021, 67, 102529.	5.7	6
15	Adapting the listening time for micro-electrode recordings in deep brain stimulation interventions. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1371-1379.	2.8	1
16	Explaining a model predicting quality of surgical practice: a first presentation to and review by clinical experts. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 2009-2019.	2.8	3
17	Impacts de la chirurgie assistée par robot sur le travail de l'équipe au bloc opératoire: analyse systématique de la littérature. <i>Travail Humain</i> , 2021, Vol. 84, 167-195.	0.5	1
18	Automatic cortical target point localisation in MRI for transcranial magnetic stimulation via a multi-resolution convolutional neural network. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1077-1087.	2.8	2

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19	PassFlow: a multimodal workflow for predicting deep brain stimulation outcomes. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1361-1370.	2.8	6
20	Machine learning in deep brain stimulation: A systematic review. Artificial Intelligence in Medicine, 2021, 122, 102198.	6.5	11
21	Micro-surgical anastomose workflow recognition challenge report. Computer Methods and Programs in Biomedicine, 2021, 212, 106452.	4.7	14
22	Impact of Physician Expertise on Probe Trajectory During Obstetric Ultrasound: A Quantitative Approach for Skill Assessment. Simulation in Healthcare, 2021, 16, 67-72.	1.2	1
23	Real-time surgical needle detection using region-based convolutional neural networks. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 41-47.	2.8	9
24	Predicting the quality of surgical exposure using spatial and procedural features from laparoscopic videos. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 59-67.	2.8	8
25	Hybrid simulation for obstetrics training: A systematic review. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2020, 246, 23-28.	1.1	13
26	SepaConvNet for Localizing the Subthalamic Nucleus Using One Second Micro-electrode Recordings. , 2020, 2020, 888-893.		2
27	BIAS: Transparent reporting of biomedical image analysis challenges. Medical Image Analysis, 2020, 66, 101796.	11.6	59
28	Striatal shape alteration as a staging biomarker for Parkinson's Disease. NeuroImage: Clinical, 2020, 27, 102272.	2.7	5
29	Offline identification of surgical deviations in laparoscopic rectopexy. Artificial Intelligence in Medicine, 2020, 104, 101837.	6.5	14
30	Assisted phase and step annotation for surgical videos. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 673-680.	2.8	31
31	Localisation of the subthalamic nucleus in MRI via convolutional neural networks for deep brain stimulation planning. , 2020, , .		4
32	Toward a Neural-Symbolic Framework for Automated Workflow Analysis in Surgery. IFMBE Proceedings, 2020, , 1551-1558.	0.3	1
33	Nontechnical Skills in Neurosurgery: A Systematic Review of the Literature. World Neurosurgery, 2019, 130, e726-e736.	1.3	9
34	Postural instability and gait disorders after subthalamic nucleus deep brain stimulation in Parkinson's disease: a PET study. Journal of Neurology, 2019, 266, 2764-2771.	3.6	8
35	Assessment of surgical skills by using surgical navigation in robot-assisted partial nephrectomy. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1449-1459.	2.8	20
36	Automatic annotation of surgical activities using virtual reality environments. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1663-1671.	2.8	10

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37	Learning procedural skills with a virtual reality simulator: An acceptability study. <i>Nurse Education Today</i> , 2019, 79, 153-160.	3.3	73
38	Subthalamic nucleus local field potentials recordings reveal subtle effects of promised reward during conflict resolution in Parkinson's disease. <i>NeuroImage</i> , 2019, 197, 232-242.	4.2	9
39	Virtual Reality Simulation in Nontechnical Skills Training for Healthcare Professionals. <i>Simulation in Healthcare</i> , 2019, 14, 188-194.	1.2	155
40	Real-time identification of blood regions for hemostasis support in laparoscopic surgery. <i>Signal, Image and Video Processing</i> , 2019, 13, 405-412.	2.7	13
41	Relationships Between Expertise, Crew Familiarity and Surgical Workflow Disruptions: An Observational Study. <i>World Journal of Surgery</i> , 2019, 43, 431-438.	1.6	26
42	Surgical skills: Can learning curves be computed from recordings of surgical activities?. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 629-636.	2.8	14
43	Self-guided training for deep brain stimulation planning using objective assessment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1129-1139.	2.8	3
44	Automatic preoperative planning of DBS electrode placement using anatomic-clinical atlases and volume of tissue activated. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1117-1128.	2.8	15
45	Evaluation of contactless human-machine interface for robotic surgical training. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 13-24.	2.8	19
46	Guest Editorial: Papers from the 12th Workshop on Augmented Environments for Computer-Assisted Interventions. <i>Healthcare Technology Letters</i> , 2018, 5, 136-136.	3.3	0
47	Why rankings of biomedical image analysis competitions should be interpreted with care. <i>Nature Communications</i> , 2018, 9, 5217.	12.8	198
48	Guest editorial for the IJCARS special issue on MICCAI 2017. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1309-1310.	2.8	0
49	How to Exploit Weaknesses in Biomedical Challenge Design and Organization. <i>Lecture Notes in Computer Science</i> , 2018, , 388-395.	1.3	10
50	Data-Driven Prediction of the Therapeutic Window during Subthalamic Deep Brain Stimulation Surgery. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 142-150.	1.5	6
51	Surgical motion analysis using discriminative interpretable patterns. <i>Artificial Intelligence in Medicine</i> , 2018, 91, 3-11.	6.5	44
52	Sequential surgical signatures in micro-suturing task. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1419-1428.	2.8	7
53	Special Issue on MICCAI 2017. <i>Medical Image Analysis</i> , 2018, 48, 259.	11.6	0
54	Functional atlases for analysis of motor and neuropsychological outcomes after medial globus pallidus and subthalamic stimulation. <i>PLoS ONE</i> , 2018, 13, e0200262.	2.5	9

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55	Toward a standard ontology of surgical process models. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1397-1408.	2.8	54
56	Knowledge transfer for surgical activity prediction. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1409-1417.	2.8	7
57	Preâ€‘frontalâ€‘insularâ€‘cerebellar modifications correlate with disgust feeling blunting after subthalamic stimulation: A positron emission tomography study in <scp>P</scp>arkinson's disease. Journal of Neuropsychology, 2017, 11, 378-395.	1.4	10
58	Distinguishing surgical behavior by sequential pattern discovery. Journal of Biomedical Informatics, 2017, 67, 34-41.	4.3	11
59	Real-time phase recognition in novel needle-based intervention: a multi-operator feasibility study. Proceedings of SPIE, 2017, , .	0.8	0
60	Discovering Discriminative and Interpretable Patterns for Surgical Motion Analysis. Lecture Notes in Computer Science, 2017, , 136-145.	1.3	12
61	Automatic matching of surgeries to predict surgeonsâ€™™ next actions. Artificial Intelligence in Medicine, 2017, 81, 3-11.	6.5	24
62	Improvement of Pyramidal Tract Side Effect Prediction Using a Data-Driven Method in Subthalamic Stimulation. IEEE Transactions on Biomedical Engineering, 2017, 64, 2134-2141.	4.2	7
63	Surgical data science for next-generation interventions. Nature Biomedical Engineering, 2017, 1, 691-696.	22.5	283
64	Acquisition models in intraoperative positron surface imaging. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 691-703.	2.8	12
65	Vision-based and marker-less surgical tool detection and tracking: a review of the literature. Medical Image Analysis, 2017, 35, 633-654.	11.6	190
66	Finding discriminative and interpretable patterns in sequences of surgical activities. Artificial Intelligence in Medicine, 2017, 82, 11-19.	6.5	9
67	Partition-based acquisition model for speed up navigated beta-probe surface imaging. Proceedings of SPIE, 2016, , .	0.8	1
68	Automatic data-driven real-time segmentation and recognition of surgical workflow. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1081-1089.	2.8	82
69	Influence of subthalamic deep-brain stimulation on cognitive action control in incentive context. Neuropsychologia, 2016, 91, 519-530.	1.6	8
70	Image-guided preoperative prediction of pyramidal tract side effect in deep brain stimulation: proof of concept and application to the pyramidal tract side effect induced by pallidal stimulation. Journal of Medical Imaging, 2016, 3, 025001.	1.5	9
71	Image-guided preoperative prediction of pyramidal tract side effect in deep brain stimulation. , 2016, , .		0
72	Unsupervised Trajectory Segmentation for Surgical Gesture Recognition in Robotic Training. IEEE Transactions on Biomedical Engineering, 2016, 63, 1280-1291.	4.2	81

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73	Procedural surgical skill assessment in laparoscopic training environments. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 543-552.	2.8	23
74	In vivo Exploration of the Connectivity between the Subthalamic Nucleus and the Globus Pallidus in the Human Brain Using Multi-Fiber Tractography. Frontiers in Neuroanatomy, 2016, 10, 119.	1.7	16
75	Pareto Front vs. Weighted Sum for Automatic Trajectory Planning of Deep Brain Stimulation. Lecture Notes in Computer Science, 2016, , 534-541.	1.3	10
76	Weight Gain following Pallidal Deep Brain Stimulation: A PET Study. PLoS ONE, 2016, 11, e0153438.	2.5	13
77	Reduced Verbal Fluency following Subthalamic Deep Brain Stimulation: A Frontal-Related Cognitive Deficit?. PLoS ONE, 2015, 10, e0140083.	2.5	20
78	Ontology for assessment studies of human-computer-interaction in surgery. Artificial Intelligence in Medicine, 2015, 63, 73-84.	6.5	9
79	Optimal Sub-Sequence Matching for the Automatic Prediction of Surgical Tasks. Lecture Notes in Computer Science, 2015, , 123-132.	1.3	6
80	Preface. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 677-680.	2.8	0
81	Preoperative brain metabolism and quality of life after subthalamic nucleus stimulation in Parkinson's disease. Journal of Neurology, 2015, 262, 881-889.	3.6	5
82	Work domain constraints for modelling surgical performance. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1589-1597.	2.8	4
83	Automatic phase prediction from low-level surgical activities. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 833-841.	2.8	28
84	Statistical study of parameters for deep brain stimulation automatic preoperative planning of electrodes trajectories. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1973-1983.	2.8	23
85	Detecting Surgical Tools by Modelling Local Appearance and Global Shape. IEEE Transactions on Medical Imaging, 2015, 34, 2603-2617.	8.9	96
86	LapOntoSPM: an ontology for laparoscopic surgeries and its application to surgical phase recognition. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1427-1434.	2.8	54
87	PyDBS: an automated image processing workflow for deep brain stimulation surgery. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 117-128.	2.8	42
88	Comparative Validation of Single-Shot Optical Techniques for Laparoscopic 3-D Surface Reconstruction. IEEE Transactions on Medical Imaging, 2014, 33, 1913-1930.	8.9	88
89	Non-linear temporal scaling of surgical processes. Artificial Intelligence in Medicine, 2014, 62, 143-152.	6.5	9
90	Information processing in computer-assisted interventions: 4th international conference, 2013. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 755-757.	2.8	0

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91	Analysis of electrode deformations in deep brain stimulation surgery. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 107-117.	2.8	24
92	Investigation of morphometric variability of subthalamic nucleus, red nucleus, and substantia nigra in advanced Parkinson's disease patients using automatic segmentation and PCA-based analysis. Human Brain Mapping, 2014, 35, 4330-4344.	3.6	41
93	Assessing neurosurgical non-technical skills: an exploratory study of a new behavioural marker system. Journal of Evaluation in Clinical Practice, 2014, 20, 582-588.	1.8	14
94	Surgical process modelling: a review. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 495-511.	2.8	171
95	Comparative Assessment of a Novel Optical Human-Machine Interface for Laparoscopic Telesurgery. Lecture Notes in Computer Science, 2014, , 21-30.	1.3	7
96	Intra-Operative Registration for Stereotactic Procedures Driven by a Combined Biomechanical Brain and CSF Model. Lecture Notes in Computer Science, 2014, , 76-85.	1.3	3
97	A cognitive engineering framework for the specification of information requirements in medical imaging: application in image-guided neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 291-300.	2.8	7
98	Anatomo-clinical atlases correlate clinical data and electrode contact coordinates: Application to subthalamic deep brain stimulation. Journal of Neuroscience Methods, 2013, 212, 297-307.	2.5	22
99	Multi-site study of surgical practice in neurosurgery based on surgical process models. Journal of Biomedical Informatics, 2013, 46, 822-829.	4.3	27
100	Automated segmentation of basal ganglia and deep brain structures in MRI of Parkinson's disease. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 99-110.	2.8	57
101	Automatic knowledge-based recognition of low-level tasks in ophthalmological procedures. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 39-49.	2.8	49
102	The state of the art of visualization in mixed reality image guided surgery. Computerized Medical Imaging and Graphics, 2013, 37, 98-112.	5.8	122
103	On mixed reality environments for minimally invasive therapy guidance: Systems architecture, successes and challenges in their implementation from laboratory to clinic. Computerized Medical Imaging and Graphics, 2013, 37, 83-97.	5.8	45
104	Development of workflow task analysis during cerebral diagnostic angiographies: Time-based comparison of junior and senior tasks. Journal of Neuroradiology, 2013, 40, 342-347.	1.1	6
105	Effects of Low-Dose Protocols in Endovascular Treatment of Intracranial Aneurysms: Development of Workflow Task Analysis During Cerebral Endovascular Procedures. American Journal of Roentgenology, 2013, 201, W322-W325.	2.2	2
106	Analysis of electrodes' placement and deformation in deep brain stimulation from medical images. Proceedings of SPIE, 2012, , .	0.8	1
107	Validation in Medical Image Processing: Methodological Issues for Proper Quantification of Uncertainties. Current Medical Imaging, 2012, 8, 322-330.	0.8	6
108	Automatic computation of electrode trajectories for Deep Brain Stimulation: a hybrid symbolic and numerical approach. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 517-532.	2.8	71



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109	Similarity metrics for surgical process models. <i>Artificial Intelligence in Medicine</i> , 2012, 54, 15-27.	6.5	27
110	Classification of surgical processes using dynamic time warping. <i>Journal of Biomedical Informatics</i> , 2012, 45, 255-264.	4.3	77
111	DVV: A Taxonomy for Mixed Reality Visualization in Image Guided Surgery. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2012, 18, 332-352.	4.4	67
112	A Framework for the Recognition of High-Level Surgical Tasks From Video Images for Cataract Surgeries. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 966-976.	4.2	95
113	Surgical tools recognition and pupil segmentation for cataract surgical process modeling. <i>Studies in Health Technology and Informatics</i> , 2012, 173, 78-84.	0.3	13
114	Abnormal functional lateralization and activity of language brain areas in typical specific language impairment (developmental dysphasia). <i>Brain</i> , 2011, 134, 3044-3058.	7.6	111
115	Analysis of surgical intervention populations using generic surgical process models. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2011, 6, 59-71.	2.8	65
116	Surgical Phases Detection from Microscope Videos by Combining SVM and HMM. <i>Lecture Notes in Computer Science</i> , 2011, , 54-62.	1.3	25
117	An Application-Dependent Framework for the Recognition of High-Level Surgical Tasks in the OR. <i>Lecture Notes in Computer Science</i> , 2011, 14, 331-338.	1.3	22
118	Correlating Clinical Scores with Anatomical Electrodes Locations for Assessing Deep Brain Stimulation. <i>Lecture Notes in Computer Science</i> , 2011, , 113-121.	1.3	1
119	Recording of Surgical Processes: A Study Comparing Senior and Junior Neurosurgeons During Lumbar Disc Herniation Surgery. <i>Operative Neurosurgery</i> , 2010, 67, ons325-ons332.	0.8	26
120	Chronic and treatment-resistant depression: A study using arterial spin labeling perfusion MRI at 3Tesla. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 111-116.	1.8	72
121	Systematic user-based assessment of "Navigated Control Spine". <i>Systematische, nutzerzentrierte Evaluation von "Navigated Control Spine"</i> . <i>Biomedizinische Technik</i> , 2010, 55, 351-359.	0.8	0
122	fMRI language mapping in children: A panel of language tasks using visual and auditory stimulation without reading or metalinguistic requirements. <i>NeuroImage</i> , 2010, 51, 897-909.	4.2	21
123	Construction and assessment of a 3-T MRI brain template. <i>NeuroImage</i> , 2010, 49, 345-354.	4.2	36
124	Automatic Phases Recognition in Pituitary Surgeries by Microscope Images Classification. <i>Lecture Notes in Computer Science</i> , 2010, , 34-44.	1.3	23
125	Automatic Computation of Electrodes Trajectory for Deep Brain Stimulation. <i>Lecture Notes in Computer Science</i> , 2010, , 149-158.	1.3	15
126	DVV: Towards a Taxonomy for Mixed Reality Visualization in Image Guided Surgery. <i>Lecture Notes in Computer Science</i> , 2010, , 334-343.	1.3	9



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127	Post-operative assessment in Deep Brain Stimulation based on multimodal images: registration workflow and validation. , 2009, , .		4
128	Decision Making During Preoperative Surgical Planning. Human Factors, 2009, 51, 67-77.	3.5	32
129	A surface registration method for quantification of intraoperative brain deformations in image-guided neurosurgery. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 976-983.	3.2	36
130	Validation of Knowledge Acquisition for Surgical Process Models. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 72-80.	4.4	100
131	Proposing a manuscript peer-review checklist. NeuroImage, 2008, 39, 1783-1787.	4.2	8
132	Preoperative brain shift: study of three surgical cases. , 2008, , .		1
133	Assessment of Image-Guided Interventions. , 2008, , 531-549.		12
134	Biomedical Multimodality Imaging for Clinical and Research Applications: Principles, Techniques and Validation. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 249-281.	0.3	0
135	IMAGE GUIDANCE IN NEUROSURGICAL PROCEDURES, THE "VISAGES" POINT OF VIEW. , 2007, , .		5
136	Surgical models for computer-assisted neurosurgery. NeuroImage, 2007, 37, 783-791.	4.2	78
137	Guest Editorial Validation in Medical Image Processing. IEEE Transactions on Medical Imaging, 2006, 25, 1405-1409.	8.9	51
138	Knowledge modeling in image-guided neurosurgery: application in understanding intraoperative brain shift. , 2006, , .		2
139	Model for defining and reporting reference-based validation protocols in medical image processing. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 63-73.	2.8	48
140	<title>Toward models of surgical procedures: analyzing a database of neurosurgical cases</title>. , 2005, , .		5
141	Does subthalamic nucleus stimulation affect the frontal limbic areas? A single-photon emission computed tomography study using a manual anatomical segmentation method. Surgical and Radiologic Anatomy, 2005, 27, 389-394.	1.2	15
142	From Anatomic Standardization Analysis of Perfusion SPECT Data to Perfusion Pattern Modeling. Academic Radiology, 2005, 12, 554-565.	2.5	10
143	Augmented virtuality based on stereoscopic reconstruction in multimodal image-guided neurosurgery: methods and performance evaluation. IEEE Transactions on Medical Imaging, 2005, 24, 1500-1511.	8.9	56
144	Implementation of atlas-matching capabilities using "web services" technology: Lessons learned from the development of a demonstrator. International Congress Series, 2005, 1281, 266-271.	0.2	0

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145	Evaluation of methods to detect interhemispheric asymmetry on cerebral perfusion SPECT: application to epilepsy. <i>Journal of Nuclear Medicine</i> , 2005, 46, 707-13.	5.0	5
146	Performance Evaluation of a Stereoscopic Based 3D Surface Localiser for Image-Guided Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2004, , 510-517.	1.3	1
147	Evaluation of Registration of Ictal SPECT/MRI Data Using Statistical Similarity Methods. <i>Lecture Notes in Computer Science</i> , 2004, , 687-695.	1.3	3
148	Magnetoencephalographic studies of two cases of diffuse subcortical laminar heterotopia or so-called double cortex. <i>NeuroImage</i> , 2003, 19, 1251-1259.	4.2	8
149	Model of Surgical Procedures for Multimodal Image-Guided Neurosurgery. <i>Computer Aided Surgery</i> , 2003, 8, 98-106.	1.8	33
150	A methodology for generating normal and pathological brain perfusion SPECT images for evaluation of MRI/SPECT fusion methods: application in epilepsy. <i>Physics in Medicine and Biology</i> , 2003, 48, 4023-4043.	3.0	27
151	Detection of inter-hemispheric asymmetries of brain perfusion in SPECT. <i>Physics in Medicine and Biology</i> , 2003, 48, 1505-1517.	3.0	18
152	From Anatomic Standardization Analysis of Perfusion SPECT Data to Perfusion Pattern Modelling. <i>Lecture Notes in Computer Science</i> , 2003, , 328-335.	1.3	2
153	Detection of Inter-hemispheric Asymmetries of Brain Perfusion in SPECT. <i>Lecture Notes in Computer Science</i> , 2002, , 500-507.	1.3	0
154	Integration of sulcal and functional information for multimodal neuronavigation. <i>Journal of Neurosurgery</i> , 2002, 96, 713-723.	1.6	72
155	Validation of medical image processing in image-guided therapy. <i>IEEE Transactions on Medical Imaging</i> , 2002, 21, 1445-1449.	8.9	153
156	Design of a neurosurgical procedure model for multimodal image-guided surgery. <i>International Congress Series</i> , 2001, 1230, 102-106.	0.2	1
157	Surface reconstruction of the surgical field from stereoscopic microscope views in neurosurgery. <i>International Congress Series</i> , 2001, 1230, 268-274.	0.2	5
158	Fusion de données en imagerie médicale: revue méthodologique basée sur le contexte clinique. <i>IRBM News</i> , 2001, 22, 196-215.	0.1	5
159	A Methodology to Validate MRI/SPECT Registration Methods Using Realistic Simulated SPECT Data. <i>Lecture Notes in Computer Science</i> , 2001, , 275-282.	1.3	14
160	Modeling Surgical Procedures for Multimodal Image-Guided Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2001, , 565-572.	1.3	9
161	Medical Applications of NDT Data Fusion. , 2001, , 227-267.		4
162	Role of the mode of sensory stimulation in presurgical brain mapping in which functional magnetic resonance imaging is used. <i>Journal of Neurosurgery</i> , 2000, 93, 427-431.	1.6	11

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163	A data fusion environment for multimodal and multi-informational neuronavigation. Computer Aided Surgery, 2000, 5, 1-10.	1.8	12
164	<title>Visual matching between real and virtual images in image-guided neurosurgery</title>. , 1997, 3031, 518.		5
165	<title>Three-dimensional approach for the simulation of neurosurgical stereotactic act</title>. , 1994, 2164, 155.		0
166	<title>Design of user interface in medical imaging: lessons of 3-D application definition</title>. , 1992, , .		0