

Hiroshi Oyama

List of Publications by Year in descending order

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35
papers

701
citations

516215

16
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552369

26
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36
all docs

36
docs citations

36
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	PREDICTION OF SURGICAL VIEW OF NEUROVASCULAR DECOMPRESSION USING INTERACTIVE COMPUTER GRAPHICS. <i>Neurosurgery</i> , 2009, 65, 121-129.	0.6	94
2	A new strategic neurosurgical planning tool for brainstem cavernous malformations using interactive computer graphics with multimodal fusion images. <i>Journal of Neurosurgery</i> , 2012, 117, 78-88.	0.9	58
3	Using the bedside wellness system during chemotherapy decreases fatigue and emesis in cancer patients. <i>Journal of Medical Systems</i> , 2000, 24, 173-182.	2.2	43
4	Interaction model between elastic objects for haptic feedback considering collisions of soft tissue. <i>Computer Methods and Programs in Biomedicine</i> , 2005, 80, 216-224.	2.6	37
5	The use of 3D computer graphics in the diagnosis and treatment of spinal vascular malformations. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 654-659.	0.9	37
6	Improved preservation of function during acoustic neuroma surgery. <i>Journal of Neurosurgery</i> , 2015, 122, 24-33.	0.9	34
7	Ossified and calcified epidural hematoma incidentally found 40 years after head injury: case report. <i>World Neurosurgery</i> , 1994, 42, 65-69.	1.3	30
8	Combined use of diffusion tensor tractography and multifused contrast-enhanced FIESTA for predicting facial and cochlear nerve positions in relation to vestibular schwannoma. <i>Journal of Neurosurgery</i> , 2015, 123, 1480-1488.	0.9	29
9	Three-dimensional angioarchitecture of spinal dural arteriovenous fistulas, with special reference to the intradural retrograde venous drainage system. <i>Journal of Neurosurgery: Spine</i> , 2013, 18, 398-408.	0.9	28
10	Evaluation of the Psycho-Oncological Effectiveness of the Bedside Wellness System. <i>Cyberpsychology, Behavior and Social Networking</i> , 1999, 2, 81-84.	2.2	26
11	Presurgical planning of feeder resection with realistic three-dimensional virtual operation field in patient with cerebellopontine angle meningioma. <i>Acta Neurochirurgica</i> , 2013, 155, 1391-1399.	0.9	23
12	A technique for identifying three diagnostic findings using association analysis. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 51-59.	1.6	21
13	Diffusion tensor tractography of normal facial and vestibulocochlear nerves. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 383-392.	1.7	20
14	Using machine-learning approaches to predict non-participation in a nationwide general health check-up scheme. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 163, 39-46.	2.6	19
15	Negligible electromagnetic interaction between medical electronic equipment and 2.4 GHz band wireless LAN. <i>Journal of Medical Systems</i> , 2002, 26, 301-308.	2.2	18
16	Prediction models to identify individuals at risk of metabolic syndrome who are unlikely to participate in a health intervention program. <i>International Journal of Medical Informatics</i> , 2018, 111, 90-99.	1.6	17
17	Development of a Bedside Wellness System. <i>Cyberpsychology, Behavior and Social Networking</i> , 1998, 1, 105-112.	2.2	16
18	Feasibility of diffusion tensor tractography for preoperative prediction of the location of the facial and vestibulocochlear nerves in relation to vestibular schwannoma. <i>Acta Neurochirurgica</i> , 2015, 157, 939-946.	0.9	16

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19	A Novel Suture Training System for Open Surgery Replicating Procedures Performed by Experts Using Augmented Reality. <i>Journal of Medical Systems</i> , 2021, 45, 60.	2.2	16
20	Haptic reproduction and interactive visualization of a beating heart for cardiovascular surgery simulation. <i>International Journal of Medical Informatics</i> , 2002, 68, 155-163.	1.6	15
21	Linac-based small-field radiotherapy for brain tumors. <i>Radiotherapy and Oncology</i> , 1993, 27, 55-58.	0.3	13
22	Triple primary malignant neoplasms including a malignant brain tumor: Report of two cases and review of the literature. <i>World Neurosurgery</i> , 1996, 45, 219-229.	1.3	12
23	Expression Pattern of Chemoresistance-related Genes in Human Malignant Brain Tumors: A Working Knowledge for Proper Selection of Anticancer Drugs. <i>Japanese Journal of Clinical Oncology</i> , 1999, 29, 527-534.	0.6	12
24	A high-resolution method with increased matrix size can characterize small arteries around a giant aneurysm in three dimensions. <i>British Journal of Neurosurgery</i> , 2012, 26, 927-928.	0.4	10
25	Impact of predicting health-guidance candidates using massive health check-up data: A data-driven analysis. <i>International Journal of Medical Informatics</i> , 2017, 106, 32-36.	1.6	10
26	Mice lacking a functional α 7nAChR receptor exhibit social subordination in a group-housed environment. <i>FEBS Journal</i> , 2018, 285, 188-196.	2.2	9
27	Physics-Based Simulation of Surgical Fields for Preoperative Strategic Planning. <i>Journal of Medical Systems</i> , 2006, 30, 371-380.	2.2	8
28	Development of Innovative Neurosurgical Operation Support Method Using Mixed-Reality Computer Graphics. <i>World Neurosurgery: X</i> , 2021, 11, 100102.	0.6	7
29	Augmented reality self-training system for suturing in open surgery: A randomized controlled trial. <i>International Journal of Surgery</i> , 2022, 102, 106650.	1.1	6
30	Palpation Simulator of Beating Aorta for Cardiovascular Surgery Training. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2003, 123, 85-91.	0.0	5
31	Effect of a Virtual Reality Contact-Based Educational Intervention on the Public Stigma of Depression: Randomized Controlled Pilot Study. <i>JMIR Formative Research</i> , 2022, 6, e28072.	0.7	5
32	Clinical Applications of Virtual Reality for Palliative Medicine. <i>Cyberpsychology, Behavior and Social Networking</i> , 1998, 1, 53-58.	2.2	4
33	Improving Precise Positioning of Surgical Robotic Instruments by a Three-Side-View Presentation System on Telesurgery. <i>Journal of Medical Systems</i> , 2005, 29, 661-670.	2.2	2
34	Immersive virtual classroom as an education tool for color barrier-free presentations: a pilot study. <i>F1000Research</i> , 0, 10, 985.	0.8	1
35	Immersive virtual classroom as an education tool for color barrier-free presentations: a pilot study. <i>F1000Research</i> , 0, 10, 985.	0.8	0