

Ingela Nyström

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

833
citations

759233

12
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839539

18
g-index

28
all docs

28
docs citations

28
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy and precision of 3 intraoral scanners and accuracy of conventional impressions: A novel in vivo analysis method. <i>Journal of Dentistry</i> , 2018, 69, 110-118.	4.1	165
2	Computing skeletons in three dimensions. <i>Pattern Recognition</i> , 1999, 32, 1225-1236.	8.1	155
3	Finish line distinctness and accuracy in 7 intraoral scanners versus conventional impression: an in vitro descriptive comparison. <i>BMC Oral Health</i> , 2018, 18, 27.	2.3	104
4	Curve skeletonization of surface-like objects in 3D images guided by voxel classification. <i>Pattern Recognition Letters</i> , 2002, 23, 1419-1426.	4.2	81
5	Measurements of digitized objects with fuzzy borders in 2D and 3D. <i>Image and Vision Computing</i> , 2005, 23, 123-132.	4.5	43
6	Efficient shape representation by minimizing the set of centres of maximal discs/spheres. <i>Pattern Recognition Letters</i> , 1997, 18, 465-471.	4.2	41
7	On Reversible Skeletonization Using Anchor-Points from Distance Transforms. <i>Journal of Visual Communication and Image Representation</i> , 1999, 10, 379-397.	2.8	31
8	Fronto-facial advancement and bipartition in Crouzonâ€Pfeiffer and Apert syndromes: Impact of fronto-facial surgery upon orbital and airway parameters in FGFR2 syndromes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 1567-1575.	1.7	31
9	Tripeptide Interference with Human Immunodeficiency Virus Type 1 Morphogenesis. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3597-3605.	3.2	28
10	Correcting Exorbitism by Monobloc Frontofacial Advancement in Crouzon-Pfeiffer Syndrome: An Age-Specific, Time-Related, Controlled Study. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 121e-132e.	1.4	23
11	Shape signatures of fuzzy star-shaped sets based on distance from the centroid. <i>Pattern Recognition Letters</i> , 2005, 26, 735-746.	4.2	21
12	Shape and volume of craniofacial cavities in intentional skull deformations. <i>American Journal of Physical Anthropology</i> , 2013, 151, 110-119.	2.1	18
13	Skeletonization of Volumetric Vascular Imagesâ€Distance Information Utilized for Visualization. <i>Journal of Combinatorial Optimization</i> , 2001, 5, 27-41.	1.3	15
14	Defuzzification of spatial fuzzy sets by feature distance minimization. <i>Image and Vision Computing</i> , 2011, 29, 127-141.	4.5	13
15	A Modified Particle Swarm Optimization Applied in Image Registration. , 2010, , .		12
16	A Haptic Interaction Technique for Volume Images Based on Gradient Diffusion. , 0, , .		11
17	Evaluation of in-house, haptic assisted surgical planning for virtual reduction of complex mandibular fractures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1059-1068.	2.8	10
18	Haptic guided seeding of MRA images for semi-automatic segmentation. , 0, , .		9

#	ARTICLE	IF	CITATIONS
19	Comparison of 2D radiography and a semi-automatic CT-based 3D method for measuring change in dorsal angulation over time in distal radius fractures. <i>Skeletal Radiology</i> , 2016, 45, 763-769.	2.0	9
20	SKELETONIZATION IN 3D DISCRETE BINARY IMAGES. , 2005, , 137-156.		4
21	Efficient computation of enclosed volume and surface area from the same triangulated surface representation. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 460-471.	5.8	3
22	Representing volumetric vascular structures using curve skeletons. , 0, , .		2
23	2D grey-level skeleton computation: a discrete 3D approach. , 2004, , .		2
24	Accelerating the Computation of 3D Gradient Vector Flow Fields. , 2006, , .		1
25	RayCaching: Amortized Isosurface Rendering for Virtual Reality. <i>Computer Graphics Forum</i> , 2020, 39, 220-230.	3.0	1
26	Bias field correction using grey-weighted distance transform applied on MR volumes. , 2011, , .		0
27	ProViz: a tool for explorative 3-D visualization and template matching in electron tomograms. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2017, 5, 446-454.	1.9	0