

Yi Sun

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,400
citations

331670

21
h-index

361022

35
g-index

69
all docs

69
docs citations

69
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative evaluation of Cone Beam Computed Tomography (CBCT) and Multi-Slice CT (MSCT). Part II: On 3D model accuracy. <i>European Journal of Radiology</i> , 2010, 75, 270-274.	2.6	182
2	Accuracy of Upper Jaw Positioning With Intermediate Splint Fabrication After Virtual Planning in Bimaxillary Orthognathic Surgery. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 1871-1876.	0.7	93
3	Neddylation inhibitor MLN4924 suppresses growth and migration of human gastric cancer cells. <i>Scientific Reports</i> , 2016, 6, 24218.	3.3	81
4	Computer-aided design and three-dimensional printing in the manufacturing of an ocular prosthesis. <i>British Journal of Ophthalmology</i> , 2016, 100, 879-881.	3.9	72
5	Intracellular CD24 disrupts the ARF-NPM interaction and enables mutational and viral oncogene-mediated p53 inactivation. <i>Nature Communications</i> , 2015, 6, 5909.	12.8	54
6	Suramin inhibits cullin-RING E3 ubiquitin ligases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2011-8.	7.1	50
7	Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporated with Silver Nanoclusters via Green Tea Extract for Antibacterial Applications. <i>Designed Monomers and Polymers</i> , 2020, 23, 118-133.	1.6	43
8	Validation of anatomical landmarks-based registration for image-guided surgery: An in-vitro study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, 522-526.	1.7	42
9	A review of computer-aided oral and maxillofacial surgery: planning, simulation and navigation. <i>Expert Review of Medical Devices</i> , 2016, 13, 1043-1051.	2.8	39
10	The Gut Microbiome as a Therapeutic Target for Cognitive Impairment. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1242-1250.	3.6	39
11	Assessment of occlusion with the T-Scan system in patients undergoing orthognathic surgery. <i>Scientific Reports</i> , 2017, 7, 5356.	3.3	37
12	Accuracy of Dental Implant Placement Using CBCT-Derived Mucosa-Supported Stereolithographic Template. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 862-870.	3.7	36
13	Computer-aided design and manufacturing of surgical templates and their clinical applications: a review. <i>Expert Review of Medical Devices</i> , 2016, 13, 853-864.	2.8	32
14	Accuracy of computer-assisted mandibular reconstructions with free fibula flap: Results of a single-center series. <i>Oral Oncology</i> , 2019, 97, 69-75.	1.5	31
15	Healthcare Engineering Defined: A White Paper. <i>Journal of Healthcare Engineering</i> , 2015, 6, 635-648.	1.9	29
16	Validation of cone beam computed tomography-based tooth printing using different three-dimensional printing technologies. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 121, 307-315.	0.4	29
17	Accuracy of segmentation of tooth structures using 3 different CBCT machines. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 123, 123-128.	0.4	28
18	Evaluation of two dental registration-splint techniques for surgical navigation in cranio-maxillofacial surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 448-453.	1.7	25

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19	Sleep deprivation disturbed regional brain activity in healthy subjects: evidence from a functional magnetic resonance-imaging study. <i>Neuropsychiatric Disease and Treatment</i> , 2016, 12, 801.	2.2	24
20	Visualization techniques of the inferior alveolar nerve (IAN): a narrative review. <i>Surgical and Radiologic Anatomy</i> , 2016, 38, 55-63.	1.2	24
21	Risk Factors for the Development of Lower Border Defects After Bilateral Sagittal Split Osteotomy. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013, 71, 588-596.	1.2	23
22	The Accuracy of Image-Guided Navigation for Maxillary Positioning in Bimaxillary Surgery. <i>Journal of Craniofacial Surgery</i> , 2014, 25, 1095-1099.	0.7	23
23	Accuracy of Computer-Aided Design/Computer-Aided Manufacturing-Assisted Mandibular Reconstruction With a Fibula Free Flap. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 2319-2323.	0.7	22
24	An oral and maxillofacial navigation system for implant placement with automatic identification of fiducial points. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 281-289.	2.8	22
25	Poly(acrylic acid) capped iron oxide nanoparticles via ligand exchange with antibacterial properties for biofilm applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111385.	5.0	20
26	3D-printed porous Ti6Al4V scaffolds for long bone repair in animal models: a systematic review. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 68.	2.3	19
27	Evaluation of 3 Different Registration Techniques in Image-Guided Bimaxillary Surgery. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 1095-1099.	0.7	18
28	Visibility of mandibular canal on panoramic radiograph after bilateral sagittal split osteotomy (BSSO). <i>Surgical and Radiologic Anatomy</i> , 2013, 35, 233-240.	1.2	17
29	Development of a computer-aided design software for dental splint in orthognathic surgery. <i>Scientific Reports</i> , 2016, 6, 38867.	3.3	15
30	Quantitative assessment of condyle positional changes before and after orthognathic surgery based on fused 3D images from cone beam computed tomography. <i>Clinical Oral Investigations</i> , 2020, 24, 2663-2672.	3.0	15
31	Biomechanical comparison of locking and non-locking patient-specific mandibular reconstruction plate using finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104849.	3.1	15
32	Silver-doped biphasic calcium phosphate/alginate microclusters with antibacterial property and controlled doxorubicin delivery. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50433.	2.6	14
33	Attachment Rate of the Inferior Alveolar Nerve to Buccal Plate During Bilateral Sagittal Split Osteotomy Influences Self-Reported Sensory Impairment. <i>Journal of Craniofacial Surgery</i> , 2014, 25, 2121-2126.	0.7	13
34	Relapse tendency after BSSO surgery differs between 2D and 3D measurements: A validation study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 1893-1898.	1.7	13
35	Automated tracking of the mandibular canal in CBCT images using matching and multiple hypotheses methods. , 2012, , .		12
36	Development of preoperative planning software for transforaminal endoscopic surgery and the guidance for clinical applications. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 613-620.	2.8	12

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37	Preclinical study of additive manufactured plates with shortened lengths for complete mandible reconstruction: Design, biomechanics simulation, and fixation stability assessment. <i>Computers in Biology and Medicine</i> , 2021, 139, 105008.	7.0	11
38	Removal of a Low-Velocity Projectile From the Base of the Sphenoid Sinus Using Navigation-Guided Endoscopy. <i>Journal of Craniofacial Surgery</i> , 2012, 23, 472-476.	0.7	10
39	Application of fused image in detecting abnormalities of temporomandibular joint. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180129.	2.7	10
40	New Technologies in Rhinoplasty: A Comprehensive Workflow for Computer-assisted Planning and Execution. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2121.	0.6	9
41	Computer-aided porous implant design for cranio-maxillofacial defect restoration. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, 1-10.	2.3	9
42	Problems During Orthognathic Surgery Resulting From Errors in Diagnostic Wax Bite. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 999-1001.	0.7	8
43	Long-term survival of implant-based oral rehabilitation following maxillofacial reconstruction with vascularized bone flap. <i>International Journal of Implant Dentistry</i> , 2022, 8, 15.	2.7	8
44	An automatic optimization method for minimizing supporting structures in additive manufacturing. <i>Advances in Manufacturing</i> , 2020, 8, 49-58.	6.1	7
45	Three-Dimensional Virtual Model Surgery to Fabricate the Digital Intermediate Splint. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 563-565.	0.7	6
46	Long-term functional outcomes of vascularized fibular and iliac flap for mandibular reconstruction: A systematic review and meta-analysis. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 247-258.	1.0	6
47	Acquisition of temozolomide resistance by the rat C6 glioma cell line increases cell migration and side population phenotype. <i>Oncology Reports</i> , 2019, 42, 2355-2362.	2.6	6
48	Course of the mandibular canal in hemifacial microsomia: a retrospective computed tomography study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2019, 128, 558-563.	0.4	5
49	A real time image-guided reposition system for the loosed bone graft in orthognathic surgery. <i>Computer Assisted Surgery</i> , 2021, 26, 1-8.	1.3	5
50	The association among 14-3-3 β protein, inflammation, bone remodeling and osteoporosis in patients with rheumatoid arthritis. <i>Pakistan Journal of Medical Sciences</i> , 2020, 36, 872-876.	0.6	5
51	Anaesthesia of the inferior alveolar and lingual nerves following subcondylar fractures of the mandible. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, e137-e145.	1.7	4
52	Safe Surgical Access to the Mandibular Nerve at the Infratemporal Fossae. <i>Journal of Craniofacial Surgery</i> , 2014, 25, 1454-1457.	0.7	4
53	Computer-assisted versus traditional freehand technique for mandibular reconstruction with free vascularized fibular flap: A matched-pair study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 3031-3039.	1.0	4
54	Application of Three-Dimensional Printed Customized Surgical Plates for Mandibular Reconstruction: Report of Consecutive Cases and Long-Term Postoperative Evaluation. <i>Journal of Craniofacial Surgery</i> , 2021, 32, e663-e667.	0.7	3

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55	Adherence to Computer-Assisted Surgical Planning in 136 Maxillofacial Reconstructions. <i>Frontiers in Oncology</i> , 2021, 11, 713606.	2.8	3
56	Late reconstruction of extensive orbital floor fracture with a patient-specific implant in a bombing victim. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2020, 46, 353-357.	0.8	3
57	Pathological Gait Signatures of Post-stroke Dementia With Toe-Off and Heel-to-Ground Angles Discriminate From Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 766884.	3.4	3
58	Osseous Reconstruction Using an Occlusive Titanium Membrane Following Marginal Mandibulectomy. <i>Journal of Craniofacial Surgery</i> , 2014, 25, 1112-1114.	0.7	2
59	Characteristic appearance of spindle cell hemangiomas, often misdiagnosed as venous malformation: A retrospective study of 11 cases. <i>Journal of Dermatology</i> , 2020, 47, 1424-1431.	1.2	2
60	Accuracy of a Dedicated Bone-Supported Surgical Template for Dental Implant Placement with Direct Visual Control. <i>Journal of Healthcare Engineering</i> , 2015, 6, 779-790.	1.9	1
61	Computer-Aided Freehand Maxillary Repositioning. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 175-177.	0.7	1
62	Repetitive ventricular tachycardia triggered by a giant benign cardiac lipomyoma. <i>Journal of Electrocardiology</i> , 2020, 58, 29-32.	0.9	1
63	Effect of the Notch4/Dll4 signaling pathway in early gestational intrauterine infection on lung development. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 972.	1.8	1
64	Alveolar Nerve Unfolding Technique for Synoptic Analysis. <i>Journal of Craniofacial Surgery</i> , 2013, 24, e374-e377.	0.7	0
65	Cloud-based orthognathic surgical planning platform. , 2015, , .		0
66	Condylar Fracture in a Child with Entrapment of the Inferior Alveolar Nerve. <i>Craniofacial Trauma & Reconstruction</i> , 2016, 9, 149-151.	1.3	0
67	Achieved chin position after genioplasty follows the planned horizontal change better than the planned vertical change. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1287-1292.	1.7	0
68	Analysis of collision detection using implicit sphere tree in haptic interaction environments for maxillofacial surgery applications. , 2018, , .		0
69	Value of six comorbidity scales for predicting survival of patients with primary surgery for oral squamous cell carcinoma. <i>Head and Neck</i> , 2022, 44, 1142-1152.	2.0	0