Yi Sun

List of Publications by Year
in descending order

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	3D-printed porous Ti6Al4V scaffolds for long bone repair in animal models: a systematic review. Journal of Orthopaedic Surgery and Research, 2022, 17, 68.	2.3	19
2	Value of six comorbidity scales for predicting survival of patients with primary surgery for oral squamous cell carcinoma. Head and Neck, 2022, 44, 1142-1152.	2.0	0
3	Long-term survival of implant-based oral rehabilitation following maxillofacial reconstruction with vascularized bone flap. International Journal of Implant Dentistry, 2022, 8, 15.	2.7	8
4	Long-term functional outcomes of vascularized fibular and iliac flap for mandibular reconstruction: A systematic review and meta-analysis. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 247-258.	1.0	6
5	Poly(acrylic acid) capped iron oxide nanoparticles via ligand exchange with antibacterial properties for biofilm applications. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111385.	5.0	20
6	Computer-assisted versus traditional freehand technique for mandibular reconstruction with free vascularized fibular flap: A matched-pair study. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 3031-3039.	1.0	4
7	Application of Three-Dimensional Printed Customized Surgical Plates for Mandibular Reconstruction: Report of Consecutive Cases and Long-Term Postoperative Evaluation. Journal of Craniofacial Surgery, 2021, 32, e663-e667.	0.7	3
8	Adherence to Computer-Assisted Surgical Planning in 136 Maxillofacial Reconstructions. Frontiers in Oncology, 2021, 11, 713606.	2.8	3
9	Effect of the Notch4/Dll4 signaling pathway in early gestational intrauterine infection on lung development. Experimental and Therapeutic Medicine, 2021, 22, 972.	1.8	1
10	Biomechanical comparison of locking and non-locking patient-specific mandibular reconstruction plate using finite element analysis. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 124, 104849.	3.1	15
11	A real time image-guided reposition system for the loosed bone graft in orthognathic surgery. Computer Assisted Surgery, 2021, 26, 1-8.	1.3	5
12	Silver–doped biphasic calcium phosphate/alginate microclusters with antibacterial property and controlled doxorubicin delivery. Journal of Applied Polymer Science, 2021, 138, 50433.	2.6	14
13	Preclinical study of additive manufactured plates with shortened lengths for complete mandible reconstruction: Design, biomechanics simulation, and fixation stability assessment. Computers in Biology and Medicine, 2021, 139, 105008.	7.0	11
14	Pathological Gait Signatures of Post-stroke Dementia With Toe-Off and Heel-to-Ground Angles Discriminate From Alzheimer's Disease. Frontiers in Aging Neuroscience, 2021, 13, 766884.	3.4	3
15	Repetitive ventricular tachycardia triggered by a giant benign cardiac lipomyoma. Journal of Electrocardiology, 2020, 58, 29-32.	0.9	1
16	Quantitative assessment of condyle positional changes before and after orthognathic surgery based on fused 3D images from cone beam computed tomography. Clinical Oral Investigations, 2020, 24, 2663-2672.	3.0	15
17	The Gut Microbiome as a Therapeutic Target for Cognitive Impairment. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1242-1250.	3.6	39
18	An automatic optimization method for minimizing supporting structures in additive manufacturing. Advances in Manufacturing, 2020, 8, 49-58.	6.1	7

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19	Characteristic appearance of spindle cell hemangiomatosis, often misdiagnosed as venous malformation: A retrospective study of 11 cases. Journal of Dermatology, 2020, 47, 1424-1431.	1.2	2
20	Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporated with Silver Nanoclusters via Green Tea Extract for Antibacterial Applications. Designed Monomers and Polymers, 2020, 23, 118-133.	1.6	43
21	Computer‐aided porous implant design for cranio‐maxillofacial defect restoration. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-10.	2.3	9
22	The association among 14-3-3Î· protein, inflammation, bone remodeling and osteoporosis in patients with rheumatoid arthritis. Pakistan Journal of Medical Sciences, 2020, 36, 872-876.	0.6	5
23	Late reconstruction of extensive orbital floor fracture with a patient-specific implant in a bombing victim. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2020, 46, 353-357.	0.8	3
24	Accuracy of computer-assisted mandibular reconstructions with free fibula flap: Results of a single-center series. Oral Oncology, 2019, 97, 69-75.	1.5	31
25	Course of the mandibular canal in hemifacial microsomia: a retrospective computed tomography study. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2019, 128, 558-563.	0.4	5
26	New Technologies in Rhinoplasty: A Comprehensive Workflow for Computer-assisted Planning and Execution. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2121.	0.6	9
27	Accuracy of Computer-Aided Design/Computer-Aided Manufacturing-Assisted Mandibular Reconstruction With a Fibula Free Flap. Journal of Craniofacial Surgery, 2019, 30, 2319-2323.	0.7	22
28	An oral and maxillofacial navigation system for implant placement with automatic identification of fiducial points. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 281-289.	2.8	22
29	Application of fused image in detecting abnormalities of temporomandibular joint. Dentomaxillofacial Radiology, 2019, 48, 20180129.	2.7	10
30	Acquisition of temozolomide resistance by the rat C6 glioma cell line increases cell migration and side population phenotype. Oncology Reports, 2019, 42, 2355-2362.	2.6	6
31	Computer-Aided Freehand Maxillary Repositioning. Journal of Craniofacial Surgery, 2018, 29, 175-177.	0.7	1
32	Analysis of collision detection using implicit sphere tree in haptic interaction environments for maxillofacial surgery applications. , 2018, , .		0
33	Relapse tendency after BSSO surgery differs between 2D and 3D measurements: A validation study. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1893-1898.	1.7	13
34	Assessment of occlusion with the T-Scan system in patients undergoing orthognathic surgery. Scientific Reports, 2017, 7, 5356.	3.3	37
35	Achieved chin position after genioplasty follows the planned horizontal change better than the planned vertical change. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1287-1292.	1.7	0
36	Accuracy of segmentation of tooth structures using 3 different CBCT machines. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2017, 123, 123-128.	0.4	28

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37	Sleep deprivation disturbed regional brain activity in healthy subjects: evidence from a functional magnetic resonance-imaging study. Neuropsychiatric Disease and Treatment, 2016, 12, 801.	2.2	24
38	Computer-aided design and three-dimensional printing in the manufacturing of an ocular prosthesis. British Journal of Ophthalmology, 2016, 100, 879-881.	3.9	72
39	Development of a computer-aided design software for dental splint in orthognathic surgery. Scientific Reports, 2016, 6, 38867.	3.3	15
40	Condylar Fracture in a Child with Entrapment of the Inferior Alveolar Nerve. Craniomaxillofacial Trauma & Reconstruction, 2016, 9, 149-151.	1.3	0
41	A review of computer-aided oral and maxillofacial surgery: planning, simulation and navigation. Expert Review of Medical Devices, 2016, 13, 1043-1051.	2.8	39
42	Computer-aided design and manufacturing of surgical templates and their clinical applications: a review. Expert Review of Medical Devices, 2016, 13, 853-864.	2.8	32
43	Neddylation inhibitor MLN4924 suppresses growth and migration of human gastric cancer cells. Scientific Reports, 2016, 6, 24218.	3.3	81
44	Validation of cone beam computed tomography–based tooth printing using different three-dimensional printing technologies. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2016, 121, 307-315.	0.4	29
45	Suramin inhibits cullin-RING E3 ubiquitin ligases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2011-8.	7.1	50
46	Development of preoperative planning software for transforaminal endoscopic surgery and the guidance for clinical applications. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 613-620.	2.8	12
47	Visualization techniques of the inferior alveolar nerve (IAN): a narrative review. Surgical and Radiologic Anatomy, 2016, 38, 55-63.	1.2	24
48	Healthcare Engineering Defined: A White Paper. Journal of Healthcare Engineering, 2015, 6, 635-648.	1.9	29
49	Cloud-based orthognathic surgical planning platform. , 2015, , .		0
50	Accuracy of a Dedicated Bone-Supported Surgical Template for Dental Implant Placement with Direct Visual Control. Journal of Healthcare Engineering, 2015, 6, 779-790.	1.9	1
51	Intracellular CD24 disrupts the ARF–NPM interaction and enables mutational and viral oncogene-mediated p53 inactivation. Nature Communications, 2015, 6, 5909.	12.8	54
52	Accuracy of Dental Implant Placement Using <scp>CBCT</scp>â€Derived Mucosaâ€Supported Stereolithographic Template. Clinical Implant Dentistry and Related Research, 2015, 17, 862-870.	3.7	36
53	Attachment Rate of the Inferior Alveolar Nerve to Buccal Plate During Bilateral Sagittal Split Osteotomy Influences Self-Reported Sensory Impairment. Journal of Craniofacial Surgery, 2014, 25, 2121-2126.	0.7	13
54	Evaluation of two dental registration-splint techniques for surgical navigation in cranio-maxillofacial surgery. Journal of Cranio-Maxillo-Facial Surgery, 2014, 42, 448-453.	1.7	25

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55	Osseous Reconstruction Using an Occlusive Titanium Membrane Following Marginal Mandibulectomy. Journal of Craniofacial Surgery, 2014, 25, 1112-1114.	0.7	2
56	The Accuracy of Image-Guided Navigation for Maxillary Positioning in Bimaxillary Surgery. Journal of Craniofacial Surgery, 2014, 25, 1095-1099.	0.7	23
57	Safe Surgical Access to the Mandibular Nerve at the Infratemporal Fossae. Journal of Craniofacial Surgery, 2014, 25, 1454-1457.	0.7	4
58	Visibility of mandibular canal on panoramic radiograph after bilateral sagittal split osteotomy (BSSO). Surgical and Radiologic Anatomy, 2013, 35, 233-240.	1.2	17
59	Anaesthesia of the inferior alveolar and lingual nerves following subcondylar fractures of the mandible. Journal of Cranio-Maxillo-Facial Surgery, 2013, 41, e137-e145.	1.7	4
60	Risk Factors for the Development of Lower Border Defects After Bilateral Sagittal Split Osteotomy. Journal of Oral and Maxillofacial Surgery, 2013, 71, 588-596.	1.2	23
61	Validation of anatomical landmarks-based registration for image-guided surgery: An in-vitro study. Journal of Cranio-Maxillo-Facial Surgery, 2013, 41, 522-526.	1.7	42
62	Accuracy of Upper Jaw Positioning With Intermediate Splint Fabrication After Virtual Planning in Bimaxillary Orthognathic Surgery. Journal of Craniofacial Surgery, 2013, 24, 1871-1876.	0.7	93
63	Evaluation of 3 Different Registration Techniques in Image-Guided Bimaxillary Surgery. Journal of Craniofacial Surgery, 2013, 24, 1095-1099.	0.7	18
64	Problems During Orthognathic Surgery Resulting From Errors in Diagnostic Wax Bite. Journal of Craniofacial Surgery, 2013, 24, 999-1001.	0.7	8
65	Alveolar Nerve Unfolding Technique for Synoptic Analysis. Journal of Craniofacial Surgery, 2013, 24, e374-e377.	0.7	0
66	Three-Dimensional Virtual Model Surgery to Fabricate the Digital Intermediate Splint. Journal of Craniofacial Surgery, 2013, 24, 563-565.	0.7	6
67	Removal of a Low-Velocity Projectile From the Base of the Sphenoid Sinus Using Navigation-Guided Endoscopy. Journal of Craniofacial Surgery, 2012, 23, 472-476.	0.7	10
68	Automated tracking of the mandibular canal in CBCT images using matching and multiple hypotheses methods. , 2012, , .		12
69	A comparative evaluation of Cone Beam Computed Tomography (CBCT) and Multi-Slice CT (MSCT). Part II: On 3D model accuracy. European Journal of Radiology, 2010, 75, 270-274.	2.6	182