

CITATION REPORT

List of articles citing

Clinical applicability of robot-guided contact-free laser osteotomy in cranio-maxillo-facial surgery: in-vitro simulation and in-vivo surgery in minipig mandibles

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British Journal of Oral and Maxillofacial Surgery, 2015, 53, 976-81.

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#	Paper	IF	Citations
40	Transoral robotic surgery: A contemporary cure for future maxillofacial surgery. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2016 , 28, 290-303	0.4	5
39	Orthognathic Surgery: A Review of Articles Published in 2014-2015. <i>Journal of Maxillofacial and Oral Surgery</i> , 2017 , 16, 284-291	0.9	2
38	Respiratory motion compensation for the robot-guided laser osteotome. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 1751-1762	3.9	1
37	Comparative microstructural analysis of bone osteotomies after cutting by computer-assisted robot-guided laser osteotome and piezoelectric osteotome: an in vivo animal study. <i>Lasers in Medical Science</i> , 2018 , 33, 1471-1478	3.1	20
36	Proof of principle of a novel angular sensor concept for tracking systems. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 390-398	3.9	8
35	Path Planning of Robot-assisted Osteotomy in Orthognathic Surgery. 2019 ,		
34	Robotic laser osteotomy through prescriptive structured light visual servoing. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019 , 14, 809-818	3.9	2
33	. 2019 ,		1
32	Preliminary Tests of the Miniaturization of a Novel Concept of Angular Sensors. 2019 ,		1
31	Robots and Tools for Remodeling Bone. <i>IEEE Reviews in Biomedical Engineering</i> , 2020 , 13, 184-198	6.4	1
30	Comparing the Bone Healing After Cold Ablation Robot-Guided Er:YAG Laser Osteotomy and Piezoelectric Osteotomy-A Pilot Study in a Minipig Mandible. <i>Lasers in Surgery and Medicine</i> , 2021 , 53, 291-299	3.6	5
29	Cold Ablation Robot-Guided Laser Osteotome (CARLO): From Bench to Bedside. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
28	Application research of master-slave crano-maxillofacial surgical robot based on force feedback. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021 , 235, 583-596	1.7	0
27	Development of Autonomous Robot Osteotomy for Mandibular Ramal Bone Harvest and Evaluation of Its Accuracy: A Phantom Mandible-Based Trial. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2885	2.6	0
26	Preliminary clinical experience of robot-assisted surgery in treatment with genioplasty. <i>Scientific Reports</i> , 2021 , 11, 6365	4.9	0
25	Robotic Applications in Orthodontics: Changing the Face of Contemporary Clinical Care. <i>BioMed Research International</i> , 2021 , 2021, 9954615	3	2
24	Navigated, Robot-Driven Laser Craniotomy for SEEG Application Using Optical Coherence Tomography in an Animal Model. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 695363	2.8	0

23	First-in-man application of a cold ablation robot guided laser osteotome in midface osteotomies. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021 , 49, 531-537	3.6	4
22	Optical fibers for endoscopic high-power Er:YAG laserosteotomy. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	3
21	Sterile Tissue Ablation Using Laser Light System Design, Experimental Validation, and Outlook on Clinical Applicability. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2021 , 15,	1.3	1
20	Comparison of acoustic shock waves generated by micro and nanosecond lasers for a smart laser surgery system. 2018 ,		1
19	Optimizing deep bone ablation by means of a microsecond Er:YAG laser and a novel water microjet irrigation system. <i>Biomedical Optics Express</i> , 2020 , 11, 7253-7272	3.5	8
18	3D camera-based markerless navigation system for robotic osteotomies. <i>Automatisierungstechnik</i> , 2020 , 68, 863-879	0.8	2
17	Effect of laser pulse duration on ablation efficiency of hard bone in microseconds regime. 2017 ,		1
16	The Prospective, Single-Center, Randomized Controlled Trial: Assessment of Craniofacial Robot-Assisted Surgery in Comparison With Traditional Surgery. <i>SSRN Electronic Journal</i> ,	1	
15	Measurements of coupling efficiency of high power Er:YAG laser in different types of optical fibers. 2020 ,		
14	From Hippocrates to Coventry and Beyond: The History of Joint Realignment. 2020 , 3-18		
13	A Compact Surgical Robot System for Craniomaxillofacial Surgery and its Preliminary Study. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, 101-107	1.2	0
12	The Prospective, Single-Center, Randomized Controlled Trial: Assessment of Robot-Assisted Mandibular Contouring Surgery in Comparison With Traditional Surgery. <i>Aesthetic Surgery Journal</i> , 2021 ,	2.4	0
11	Aktuelle Situation und künftige Möglichkeiten in der Dysgnathiechirurgie. <i>Der MKG-Chirurg</i> , 1	0.2	
10	Deep-Learning-Based Fast Optical Coherence Tomography (OCT) Image Denoising for Smart Laser Osteotomy.. <i>IEEE Transactions on Medical Imaging</i> , 2022 , PP,	11.7	1
9	Biophotonics in Dentistry. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4254	2.6	1
8	The Effect of Laser Ablation Pulse Width and Feed Speed on Necrosis and Surface Damage of Cortical Bone. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022 , 35,	2.5	0
7	Robotic Navigated Laser Craniotomy: Current Applications and Future Developments. 2022 , 203-210		0
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- 5 Research progress in excision methods for natural bone materials. **2022**, ○
- 4 Evaluation of surgical laser optical feedback on uneven surfaces using robotic manipulator. **2022**, ○
- 3 Advances in Robot-Assisted Surgery for Facial Bone Contouring Surgery. **2023**, 34, 813-816 ○
- 2 Bone ablation performance of a Ho:YAG laser. **2023**, ○
- 1 Image Denoising for Smart Laser Osteotomy Using Deep Learning-based Fast Optical Coherence Tomography (OCT). **2023**, ○