Zeyang Xia

List of Publications by Year
in descending order

		1040056	888059
21 papers	**393** citations	**9** h-index	**17** g-index
21 all docs	**21** docs citations	**21** times ranked	**410** citing authors

#	Article	IF	Citations
1	Manipulation task simulation using ROS and Gazebo. , 2014, , .		63
2	Toward accurate tooth segmentation from computed tomography images using a hybrid level set model. Medical Physics, 2015, 42, 14-27.	3.0	58
3	Tooth and Alveolar Bone Segmentation From Dental Computed Tomography Images. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 196-204.	6.3	47
4	Segment-Based Disparity Refinement With Occlusion Handling for Stereo Matching. IEEE Transactions on Image Processing, 2019, 28, 3885-3897.	9.8	44
5	Individual tooth segmentation from CT images scanned with contacts of maxillary and mandible teeth. Computer Methods and Programs in Biomedicine, 2017, 138, 1-12.	4.7	31
6	Optimal Design of Soft Pneumatic Bending Actuators Subjected to Design-Dependent Pressure Loads. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2873-2884.	5.8	20
7	Three-dimensional quantification of pretorqued nickel-titanium wires in edgewise and prescription brackets. Angle Orthodontist, 2013, 83, 484-490.	2.4	16
8	Mobile manipulation task simulation using ROS with MoveIt. , 2017, , .		16
9	Biomechanical validation of an artificial tooth–periodontal ligament–bone complex for in vitro orthodontic load measurement. Angle Orthodontist, 2013, 83, 410-417.	2.4	14
10	A Sociable Human-robot Interaction Scheme Based on Body Emotion Analysis. International Journal of Control, Automation and Systems, 2019, 17, 474-485.	2.7	12
11	A Method for Tooth Model Reconstruction Based on Integration of Multimodal Images. Journal of Healthcare Engineering, 2018, 2018, 1-8.	1.9	11
12	Development of a robotic system for orthodontic archwire bending. , 2016, , .		9
13	A Mechanism-Image Fusion Approach to Calibration of an Ultrasound-Guided Dual-Arm Robotic Brachytherapy System. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3211-3220.	5.8	9
14	Crown Segmentation From Computed Tomography Images With Metal Artifacts. IEEE Signal Processing Letters, 2016, 23, 678-682.	3.6	8
15	Augmented Reality Assisted Assembly Training Oriented Dynamic Gesture Recognition and Prediction. Applied Sciences (Switzerland), 2021, 11, 9789.	2.5	8
16	A motion sensing-based framework for robotic manipulation. Robotics and Biomimetics, 2016, 3, 23.	1.7	7
17	Progressive Filtering Approach for Early Human Action Recognition. International Journal of Control, Automation and Systems, 2018, 16, 2393-2404.	2.7	7
18	Robust Regression-Based Motion Perception for Online Imitation on Humanoid Robot. International Journal of Social Robotics, 2017, 9, 705-725.	4.6	6

#	Article	IF	Citations
19	Simulation of orthodontic force of archwire applied to full dentition using virtual bracket displacement method. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3189.	2.1	6
20	LSTformer: Long Short-Term Transformer for Real Time Respiratory Prediction. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 5247-5257.	6.3	1
21	Effect of Boundary Condition and Model Structure Integrity of Tooth-PDL-Bone Complex on Tooth Mode Computation. IEEE Access, 2019, 7, 17207-17214.	4.2	0