

Zeyang Xia

List of Publications by Year in descending order

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21
papers

393
citations

1040056

9
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	LSTformer: Long Short-Term Transformer for Real Time Respiratory Prediction. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 5247-5257.	6.3	1
2	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
3	Augmented Reality Assisted Assembly Training Oriented Dynamic Gesture Recognition and Prediction. Applied Sciences (Switzerland), 2021, 11, 9789.	2.5	8
4	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
5	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
6	Segment-Based Disparity Refinement With Occlusion Handling for Stereo Matching. IEEE Transactions on Image Processing, 2019, 28, 3885-3897.	9.8	44
7	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
8	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
9	Tooth and Alveolar Bone Segmentation From Dental Computed Tomography Images. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 196-204.	6.3	47
10	Progressive Filtering Approach for Early Human Action Recognition. International Journal of Control, Automation and Systems, 2018, 16, 2393-2404.	2.7	7
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	Robust Regression-Based Motion Perception for Online Imitation on Humanoid Robot. International Journal of Social Robotics, 2017, 9, 705-725.	4.6	6
13	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
14	Mobile manipulation task simulation using ROS with MoveIt. , 2017, , .		16
15	Development of a robotic system for orthodontic archwire bending. , 2016, , .		9
16	A motion sensing-based framework for robotic manipulation. Robotics and Biomimetics, 2016, 3, 23.	1.7	7
17	Crown Segmentation From Computed Tomography Images With Metal Artifacts. IEEE Signal Processing Letters, 2016, 23, 678-682.	3.6	8
18	Toward accurate tooth segmentation from computed tomography images using a hybrid level set model. Medical Physics, 2015, 42, 14-27.	3.0	58

#	ARTICLE	IF	CITATIONS
19	Manipulation task simulation using ROS and Gazebo. , 2014, , .		63
20	Biomechanical validation of an artificial toothâ€“periodontal ligamentâ€“bone complex for in vitro orthodontic load measurement. Angle Orthodontist, 2013, 83, 410-417.	2.4	14
21	Three-dimensional quantification of pretorqued nickel-titanium wires in edgewise and prescription brackets. Angle Orthodontist, 2013, 83, 484-490.	2.4	16