

Vijay M Pawar

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

558
citations

840776

11
h-index

752698

20
g-index

33
all docs

33
docs citations

33
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Stain-free identification of tissue pathology using a generative adversarial network to infer nanomechanical signatures. <i>Nanoscale Advances</i> , 2021, 3, 6403-6414.	4.6	1
2	Exploring Effects of Information Filtering With a VR Interface for Multi-Robot Supervision. <i>Frontiers in Robotics and AI</i> , 2021, 8, 692180.	3.2	1
3	Data-driven malaria prevalence prediction in large densely populated urban holoendemic sub-Saharan West Africa. <i>Scientific Reports</i> , 2020, 10, 15918.	3.3	16
4	Docking Haptics: Dynamic Combinations Of Grounded And Worn Devices. , 2020, , .		1
5	Mechanical properties measured by atomic force microscopy define health biomarkers in ageing <i>C. elegans</i> . <i>Nature Communications</i> , 2020, 11, 1043.	12.8	29
6	Expert-level automated malaria diagnosis on routine blood films with deep neural networks. <i>American Journal of Hematology</i> , 2020, 95, 883-891.	4.1	30
7	A Weakly Supervised Deep Learning Approach for Detecting Malaria and Sickle Cells in Blood Films. <i>Lecture Notes in Computer Science</i> , 2020, , 226-235.	1.3	5
8	Digital refocusing and extended depth of field reconstruction in Fourier ptychographic microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 215.	2.9	22
9	Docking Haptics: Extending the Reach of Haptics by Dynamic Combinations of Grounded and Worn Devices. , 2020, , .		4
10	The effect of salient stimuli on neural oscillations, isometric force, and their coupling. <i>NeuroImage</i> , 2019, 198, 221-230.	4.2	39
11	Efficient Environment Guided Approach for Exploration of Complex Environments. , 2019, , .		0
12	YouWasps: Towards Autonomous Multi-Robot Mobile Deposition for Construction. , 2019, , .		12
13	Whole-Sample Mapping of Cancerous and Benign Tissue Properties. <i>Lecture Notes in Computer Science</i> , 2019, , 760-768.	1.3	1
14	Saliency Detection as a Reactive Process: Unexpected Sensory Events Evoke Corticomuscular Coupling. <i>Journal of Neuroscience</i> , 2018, 38, 2385-2397.	3.6	65
15	CHESSE™ Calibrating the Hand-Eye Matrix With Screw Constraints and Synchronization. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 2000-2007.	5.1	10
16	MAP - A Mobile Agile Printer Robot for on-site Construction. , 2018, , .		11
17	UAV Path Planning System Based on 3D Informed RRT* for Dynamic Obstacle Avoidance. , 2018, , .		10
18	Adjoint Transformation Algorithm for Hand-Eye Calibration with Applications in Robotic Assisted Surgery. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1606-1620.	2.5	33

#	ARTICLE	IF	CITATIONS
19	Three-dimensional behavioural phenotyping of freely moving <i>C. elegans</i> using quantitative light field microscopy. <i>PLoS ONE</i> , 2018, 13, e0200108.	2.5	20
20	Atomic force stiffness imaging: capturing differences in mechanical properties to identify and localize areas of prostate cancer tissue. , 2018, , .		0
21	A Continuum Robot and Control Interface for Surgical Assist in Fetoscopic Interventions. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 1656-1663.	5.1	43
22	Toward autonomous architecture: The convergence of digital design, robotics, and the built environment. <i>Science Robotics</i> , 2017, 2, .	17.6	12
23	Chromaticity based smoke removal in endoscopic images. <i>Proceedings of SPIE</i> , 2017, , .	0.8	14
24	Determining the biomechanics of touch sensation in <i>C. elegans</i> . <i>Scientific Reports</i> , 2017, 7, 12329.	3.3	14
25	In-vivo high resolution AFM topographic imaging of <i>Caenorhabditis elegans</i> reveals previously unreported surface structures of cuticle mutants. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 183-189.	3.3	28
26	Investigation of mechanosensation in <i>C. elegans</i> using light field calcium imaging. <i>Biomedical Optics Express</i> , 2016, 7, 2877.	2.9	6
27	Hand-eye calibration for robotic assisted minimally invasive surgery without a calibration object. , 2016, , .		30
28	Ambient fields: representing potential sensory information. , 2016, , .		1
29	Nano-mechanical single-cell sensing of cellâ€™matrix contacts. <i>Nanoscale</i> , 2016, 8, 18105-18112.	5.6	7
30	Poster: The effect of target size and force feedback on 3D selection within a co-located visual-haptic immersive virtual environment. , 2013, , .		1
31	Evaluating the Influence of Haptic Force-Feedback on 3D Selection Tasks using Natural Egocentric Gestures. , 2009, , .		10
32	Profiling the behaviour of 3D selection tasks on movement time when using natural haptic pointing gestures. , 2009, , .		6
33	Interaction with co-located haptic feedback in virtual reality. <i>Virtual Reality</i> , 2006, 10, 24-30.	6.1	76