

Minh Tu Pham

List of Publications by Year in descending order

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44
papers

413
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1040056

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docs citations

44
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Discontinuous Dynamics Averaging and PWM-Based Sliding Control of Solenoid-Valve Pneumatic Actuators. IEEE/ASME Transactions on Mechatronics, 2015, 20, 876-888.	5.8	53
2	Improved tracking and switching performance of an electro-pneumatic positioning system. Mechatronics, 2012, 22, 1-12.	3.3	52
3	A new obstetric forceps for the training of junior doctors: A comparison of the spatial dispersion of forceps blade trajectories between junior and senior obstetricians. American Journal of Obstetrics and Gynecology, 2006, 194, 1524-1531.	1.3	49
4	A semi-autonomous mobile robot for bridge inspection. Automation in Construction, 2018, 91, 111-119.	9.8	44
5	Bilateral Control of Nonlinear Pneumatic Teleoperation System With Solenoid Valves. IEEE Transactions on Control Systems Technology, 2013, 21, 1463-1470.	5.2	27
6	Review of Advanced Medical Telerobots. Applied Sciences (Switzerland), 2021, 11, 209.	2.5	27
7	Design of a New Instrumented Forceps: Application to Safe Obstetrical Forceps Blade Placement. IEEE Transactions on Biomedical Engineering, 2007, 54, 1280-1290.	4.2	23
8	Simulation of an Instrumental Childbirth for the Training of the Forceps Extraction: Control Algorithm and Evaluation. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 364-372.	3.2	11
9	A Review of Pneumatic Actuators Used for the Design of Medical Simulators and Medical Tools. Multimodal Technologies and Interaction, 2019, 3, 47.	2.5	11
10	A new kind of training for obstetric residents: simulator training. , 2006, 2006, 4416-9.		9
11	Sliding-mode control of nonlinear discrete-input pneumatic actuators. , 2011, , .		8
12	Stiffness control of pneumatic actuators to simulate human tissues behavior on medical haptic simulators. , 2016, , .		8
13	Online proprioception feeds plasticity of arm representation following tool-use in healthy aging. Scientific Reports, 2020, 10, 17275.	3.3	8
14	Applications of Haptics in Medicine. , 2020, , 183-214.		8
15	Game theoretic approach for electrified auxiliary management in high voltage network of HEV/PHEV. , 2014, , .		7
16	Paths analysis for a safe forceps blades placement on the BirthSIM simulator. , 0, , .		6
17	Model Predictive Control Dedicated to an Electrified Auxiliary in HEV/PHEV. Applied Mechanics and Materials, 2014, 532, 50-57.	0.2	6
18	A semi-autonomous micro-robotic system for Colonoscopy. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
19	Sliding-mode control of nonlinear discrete-input pneumatic actuators. , 2011, , .		5
20	High-fidelity sliding mode control of a pneumatic haptic teleoperation system. Advanced Robotics, 2014, 28, 659-671.	1.8	5
21	Gesture Classification Using LSTM Recurrent Neural Networks. , 2019, 2019, 6864-6867.		5
22	Characterization and modeling of a pneumatic actuator for a soft continuum robot. , 2013, , .		4
23	Averaged state model and sliding mode observer for on/off solenoid valve pneumatic actuators. , 2016, , .		4
24	Medical gesture recognition using dynamic arc length warping. Biomedical Signal Processing and Control, 2019, 52, 162-170.	5.7	4
25	An Energy-Based Approach for <i>n</i> -d.o.f. Passive Dual-User Haptic Training Systems. Robotica, 2020, 38, 1155-1175.	1.9	4
26	A Guidance Control Strategy for Semi-autonomous Colonoscopy Using a Continuum Robot. , 2007, , 63-78.		4
27	Dynamical model averaging and PWM based control for pneumatic actuators. , 2014, , .		3
28	Automatic gesture analysis using constant affine velocity. , 2014, 2014, 1826-9.		3
29	An arc-length warping algorithm for gesture recognition using quaternion representation. , 2013, 2013, 6248-51.		2
30	Objective Assessment of Surgical Skills. , 2012, , .		2
31	Surgical gesture classification using Dynamic Time Warping and affine velocity. , 2017, 2017, 2275-2278.		1
32	Bond graph modeling and analysis of intermediary cooling system of a nuclear power plants. , 2018, , .		1
33	Towards a classification of surgical skills using affine velocity. IET Science, Measurement and Technology, 2018, 12, 548-553.	1.6	1
34	Gesture segmentation and classification using affine speed and energy. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 588-596.	1.8	1
35	Collaborative Hands-on Training on Haptic Simulators. , 2019, , .		1
36	Bond Graph Model Of A Water Heat Exchanger. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Control of a teleoperation system actuated by low-cost pneumatic on/off valves. , 2012, , .		0
38	Development of a methodology for performance analysis and synthesis of control strategies of multi-robot pick & place applications. Lecture Notes in Mechanical Engineering, 2017, , 639-646.	0.4	0
39	A Robotic Platform For Endovascular Aneurysm Repair. , 2019, , .		0
40	Towards Delayed Teleoperation With Pneumatic Master and Slave for MRI. , 2012, , .		0
41	Utilisation de polynômes de Tchebychev pour l'identification de modèles à temps continu de robots. Journal Europeen Des Systemes Automatisés, 2012, 46, 779-798.	0.4	0
42	Haptic Training in a Virtual Environment to Train Cognitive Functions of Medical Students: Work in Progress. Lecture Notes in Computer Science, 2018, , 110-120.	1.3	0
43	Introducing Pneumatic Actuators in Haptic Training Simulators and Medical Tools. Lecture Notes in Computer Science, 2019, , 334-352.	1.3	0
44	Towards a Dual-User Haptic Training System User Feedback Setup. Lecture Notes in Computer Science, 2020, , 286-297.	1.3	0