Emanuele Lindo Secco

List of Publications by Year
in descending order

51 papers	1,250 citations	759055 12 h-index	395590 33 g-index
62 all docs	62 docs citations	62 times ranked	1480 citing authors

#	Article	IF	Citations
1	A CNN-Based Computer Vision Interface for Prosthetics' Control. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 41-59.	0.2	4
2	Attention Enhancement for Exoskeleton-Assisted Hand Rehabilitation Using Fingertip Haptic Stimulation. Frontiers in Robotics and AI, 2021, 8, 602091.	2.0	14
3	A CNN sign language recognition system with single & double-handed gestures. , 2021, , .		13
4	Design of a customised BB8 Robot companion. , 2021, , .		0
5	Design of a Biomimetic BLDC Driven Robotic Arm for Teleoperation & Biomedical Applications. , 2021, 2, 345-354.		4
6	A Wearable MYO Gesture Armband Controlling Sphero BB-8 Robot. HighTech and Innovation Journal, 2020, 1, 179-186.	0.6	10
7	A Wearable Exoskeleton for Hand Kinesthetic Feedback in Virtual Reality. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 186-200.	0.2	5
8	Kinesthetic Feedback for Robot-Assisted Minimally Invasive Surgery (Da Vinci) with Two Fingers Exoskeleton. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 212-225.	0.2	0
9	Development of Cost-Effective Endurance Test Rig with Integrated Algorithm for Safety. Advances in Intelligent Systems and Computing, 2020, , 175-190.	0.5	1
10	Temporal Convolution in Spiking Neural Networks: A Bio-mimetic Paradigm. Advances in Intelligent Systems and Computing, 2020, , 211-222.	0.5	0
11	A Low-Cost Portable Health Platform for Monitoring of Human Physiological Signals. Lecture Notes in Electrical Engineering, 2019, , 211-224.	0.3	1
12	Audio Localization for Robots Using Parallel Cerebellar Models. IEEE Robotics and Automation Letters, 2018, 3, 3185-3192.	3.3	3
13	A Soft Anthropomorphic & Tactile Fingertip for LowCost Prosthetic & Robotic Applications. EAI Endorsed Transactions on Pervasive Health and Technology, 2018, .	0.7	2
14	An Integrated & Secure System for Wearable Devices. Advances in Science, Technology and Engineering Systems, 2018, 3, 432-437.	0.4	0
15	E-Mobility: Smart Grid and Charging Session of Electric Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 103-110.	0.2	1
16	Humans Sensitivity Distribution in Perceptual Space by a Wearable Haptic Sleeve. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 225-232.	0.2	0
17	E-Mobility: dynamic mono-phase loads control during charging session of electric vehicles. AIMS Electronics and Electrical Engineering, 2018, 2, 37-48.	0.8	1
18	An Optical-based Fingertip Force Sensor. Advances in Science, Technology and Engineering Systems, 2018, 3, 23-27.	0.4	2

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19	Mob-Y: Smart Grid for Sustainable Urban MOBility with Retrofit Electric Vehicles. , 2017, , .		3
20	Fibre optic-based force sensor for bio-mimetic robotic finger. , 2017, , .		2
21	Wearable Vibrotactile Haptic Device for Stiffness Discrimination during Virtual Interactions. Frontiers in Robotics and AI, 2017, 4, .	2.0	55
22	A Novel Sensor for a Bio-Mimetic Finger. Proceedings (mdpi), 2017, 1, .	0.2	1
23	Self-adaptive Context Aware Audio Localization for Robots Using Parallel Cerebellar Models. Lecture Notes in Computer Science, 2017, , 66-78.	1.0	1
24	A Low Cost Eeg Based Bci Prosthetic Using Motor Imagery. International Journal of Advanced Information Technology, 2016, 6, 23-36.	1.0	25
25	Formal Verification of Robotics Navigation Algorithms. , 2016, , .		2
26	Using visual cues to enhance haptic feedback for palpation on virtual model of soft tissue. Medical and Biological Engineering and Computing, 2015, 53, 1177-1186.	1.6	33
27	Model-Based Self-Tuning PI Control of Bolt-Nut Tightening for Wind Turbine Bearing Assembly. , 2015, , .		1
28	A Neural Network Clamping Force Model for Bolt Tightening of Wind Turbine Hubs. , 2015, , .		1
29	Accurate Bolt Tightening Using Model-Free Fuzzy Control for Wind Turbine Hub Bearing Assembly. IEEE Transactions on Control Systems Technology, 2015, 23, 1-12.	3.2	33
30	A three-axial body force sensor for flexible manipulators. , 2014, , .		41
31	A continuum body force sensor designed for flexible surgical robotics devices. , 2014, 2014, 3711-4.		9
32	Control Design for Interval Type-2 Fuzzy Systems Under Imperfect Premise Matching. IEEE Transactions on Industrial Electronics, 2014, 61, 956-968.	5.2	301
33	Model-free fuzzy tightening control for bolt/nut joint connections of wind turbine hubs. , 2013, , .		6
34	Assessment of Sensing Fire Fighters Uniforms for Physiological Parameter Measurement in Harsh Environment. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 501-511.	3.6	18
35	Validation of Smart Garments for Physiological and Activity-Related Monitoring of Humans in Harsh Environment. American Journal of Biomedical Engineering, 2012, 2, 189-196.	0.9	8
36	Emergency and Work. , 2011, , 205-219.		4

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37	Biosensing and environmental sensing for emergency and protection e-Textiles. , 2011, 2011, 8365-8.		7
38	An Autonomous Long Range Monitoring System for Emergency Operators. International Journal of Wireless and Mobile Networks, 2011, 3, 10-23.	0.1	2
39	Smart Garments for Emergency Operators: The ProeTEX Project. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 694-701.	3.6	120
40	Heart Rate and Accelerometer Data Fusion for Activity Assessment of Rescuers During Emergency Interventions. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 702-710.	3.6	46
41	A Real-Time and Self-Calibrating Algorithm Based on Triaxial Accelerometer Signals for the Detection of Human Posture and Activity. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1098-1105.	3.6	83
42	Principal components analysis based control of a multi-dof underactuated prosthetic hand. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 16.	2.4	105
43	Fire fighters and rescuers monitoring through wearable sensors: The ProeTEX project. , 2010, 2010, 3594-7.		10
44	Bio-inspired controller for a dexterous prosthetic hand based on principal components analysis. , 2009, 2009, 5022-5.		13
45	Long-distance monitoring of physiological and environmental parameters for emergency operators. , 2009, 2009, 5159-62.		13
46	Smart garments for emergency operators: Results of laboratory and field tests. , 2008, 2008, 494-7.		4
47	A new approach of multi-d.o.f. prosthetic control. , 2008, 2008, 3443-6.		10
48	VR-Wheel: a Rehabilitation Platform for Motor Recovery. , 2007, , .		0
49	Optimization of two-joint arm movements: a model technique or a result of natural selection?. Biological Cybernetics, 2005, 93, 288-306.	0.6	4
50	Interaction of Visual and Proprioceptive Feedback During Adaptation of Human Reaching Movements. Journal of Neurophysiology, 2005, 93, 3200-3213.	0.9	192
51	A feedforward neural network controlling the movement of a 3-DOF finger. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 437-445.	3.4	16