

Emanuele Lindo Secco

List of Publications by Year in descending order

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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	Control Design for Interval Type-2 Fuzzy Systems Under Imperfect Premise Matching. IEEE Transactions on Industrial Electronics, 2014, 61, 956-968.	5.2	301
2	Interaction of Visual and Proprioceptive Feedback During Adaptation of Human Reaching Movements. Journal of Neurophysiology, 2005, 93, 3200-3213.	0.9	192
3	Smart Garments for Emergency Operators: The ProeTEX Project. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 694-701.	3.6	120
4	Principal components analysis based control of a multi-dof underactuated prosthetic hand. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 16.	2.4	105
5	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
6	Wearable Vibrotactile Haptic Device for Stiffness Discrimination during Virtual Interactions. Frontiers in Robotics and AI, 2017, 4, .	2.0	55
7	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
8	A three-axial body force sensor for flexible manipulators. , 2014, , .		41
9	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
10	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
11	A Low Cost Eeg Based Bci Prosthetic Using Motor Imagery. International Journal of Advanced Information Technology, 2016, 6, 23-36.	1.0	25
12	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
13	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
14	Attention Enhancement for Exoskeleton-Assisted Hand Rehabilitation Using Fingertip Haptic Stimulation. Frontiers in Robotics and AI, 2021, 8, 602091.	2.0	14
15	Bio-inspired controller for a dexterous prosthetic hand based on principal components analysis. , 2009, 2009, 5022-5.		13
16	Long-distance monitoring of physiological and environmental parameters for emergency operators. , 2009, 2009, 5159-62.		13
17	A CNN sign language recognition system with single & double-handed gestures. , 2021, , .		13
18	A new approach of multi-d.o.f. prosthetic control. , 2008, 2008, 3443-6.		10

#	ARTICLE	IF	CITATIONS
19	Fire fighters and rescuers monitoring through wearable sensors: The ProeTEX project. , 2010, 2010, 3594-7.		10
20	A Wearable MYO Gesture Armband Controlling Sphero BB-8 Robot. HighTech and Innovation Journal, 2020, 1, 179-186.	0.6	10
21	A continuum body force sensor designed for flexible surgical robotics devices. , 2014, 2014, 3711-4.		9
22	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
23	Biosensing and environmental sensing for emergency and protection e-Textiles. , 2011, 2011, 8365-8.		7
24	Model-free fuzzy tightening control for bolt/nut joint connections of wind turbine hubs. , 2013, , .		6
25	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
26	Optimization of two-joint arm movements: a model technique or a result of natural selection?. Biological Cybernetics, 2005, 93, 288-306.	0.6	4
27	Smart garments for emergency operators: Results of laboratory and field tests. , 2008, 2008, 494-7.		4
28	Emergency and Work. , 2011, , 205-219.		4
29	Design of a Biomimetic BLDC Driven Robotic Arm for Teleoperation & Biomedical Applications. , 2021, 2, 345-354.		4
30	A CNN-Based Computer Vision Interface for Prostheticsâ€™ Control. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 41-59.	0.2	4
31	Mob-Y: Smart Grid for Sustainable Urban MOBility with Retrofit Electric Vehicles. , 2017, , .		3
32	Audio Localization for Robots Using Parallel Cerebellar Models. IEEE Robotics and Automation Letters, 2018, 3, 3185-3192.	3.3	3
33	Formal Verification of Robotics Navigation Algorithms. , 2016, , .		2
34	Fibre optic-based force sensor for bio-mimetic robotic finger. , 2017, , .		2
35	A Soft Anthropomorphic & Tactile Fingertip for LowCost Prosthetic & Robotic Applications. EAI Endorsed Transactions on Pervasive Health and Technology, 2018, .	0.7	2
36	An Autonomous Long Range Monitoring System for Emergency Operators. International Journal of Wireless and Mobile Networks, 2011, 3, 10-23.	0.1	2

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37	An Optical-based Fingertip Force Sensor. Advances in Science, Technology and Engineering Systems, 2018, 3, 23-27.	0.4	2
38	Model-Based Self-Tuning PI Control of Bolt-Nut Tightening for Wind Turbine Bearing Assembly. , 2015, , .		1
39	A Neural Network Clamping Force Model for Bolt Tightening of Wind Turbine Hubs. , 2015, , .		1
40	A Novel Sensor for a Bio-Mimetic Finger. Proceedings (mdpi), 2017, 1, .	0.2	1
41	Self-adaptive Context Aware Audio Localization for Robots Using Parallel Cerebellar Models. Lecture Notes in Computer Science, 2017, , 66-78.	1.0	1
42	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
43	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
44	A Low-Cost Portable Health Platform for Monitoring of Human Physiological Signals. Lecture Notes in Electrical Engineering, 2019, , 211-224.	0.3	1
45	Development of Cost-Effective Endurance Test Rig with Integrated Algorithm for Safety. Advances in Intelligent Systems and Computing, 2020, , 175-190.	0.5	1
46	VR-Wheel: a Rehabilitation Platform for Motor Recovery. , 2007, , .		0
47	An Integrated & Secure System for Wearable Devices. Advances in Science, Technology and Engineering Systems, 2018, 3, 432-437.	0.4	0
48	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
49	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
50	Temporal Convolution in Spiking Neural Networks: A Bio-mimetic Paradigm. Advances in Intelligent Systems and Computing, 2020, , 211-222.	0.5	0
51	Design of a customised BB8 Robot companion. , 2021, , .		0