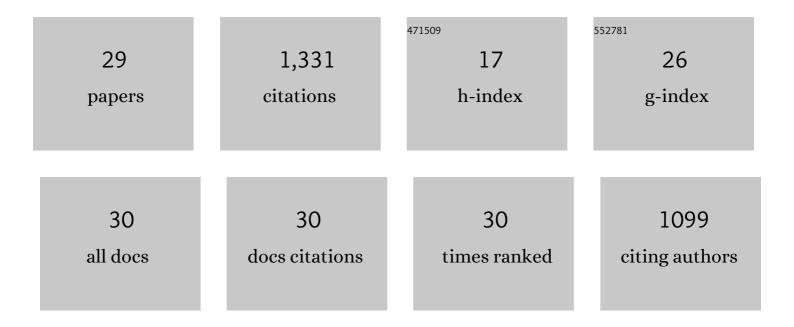
Francesco Clemente

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Biomimetic Intraneural Sensory Feedback Enhances Sensation Naturalness, Tactile Sensitivity, and Manual Dexterity in a Bidirectional Prosthesis. Neuron, 2018, 100, 37-45.e7.	8.1	265
2	Non-Invasive, Temporally Discrete Feedback of Object Contact and Release Improves Grasp Control of Closed-Loop Myoelectric Transradial Prostheses. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1314-1322.	4.9	170
3	Sixâ€Month Assessment of a Hand Prosthesis with Intraneural Tactile Feedback. Annals of Neurology, 2019, 85, 137-154.	5.3	140
4	Vibrotactile Stimulation Promotes Embodiment of an Alien Hand in Amputees With Phantom Sensations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 450-457.	4.9	94
5	The SSSA-MyHand: A Dexterous Lightweight Myoelectric Hand Prosthesis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 459-468.	4.9	94
6	Humans can integrate feedback of discrete events in their sensorimotor control of a robotic hand. Experimental Brain Research, 2014, 232, 3421-3429.	1.5	70
7	Intraneural sensory feedback restores grip force control and motor coordination while using a prosthetic hand. Journal of Neural Engineering, 2019, 16, 026034.	3.5	66
8	Neural feedback strategies to improve grasping coordination in neuromusculoskeletal prostheses. Scientific Reports, 2020, 10, 11793.	3.3	49
9	Grip control and motor coordination with implanted and surface electrodes while grasping with an osseointegrated prosthetic hand. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 49.	4.6	44
10	The myokinetic control interface: tracking implanted magnets as a means for prosthetic control. Scientific Reports, 2017, 7, 17149.	3.3	42
11	Humans Can Integrate Augmented Reality Feedback in Their Sensorimotor Control of a Robotic Hand. IEEE Transactions on Human-Machine Systems, 2017, 47, 583-589.	3.5	42
12	Discrete Vibro-Tactile Feedback Prevents Object Slippage in Hand Prostheses More Intuitively Than Other Modalities. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1577-1584.	4.9	36
13	Grasp force estimation from the transient EMG using high-density surface recordings. Journal of Neural Engineering, 2020, 17, 016052.	3.5	32
14	Hand Control With Invasive Feedback Is Not Impaired by Increased Cognitive Load. Frontiers in Bioengineering and Biotechnology, 2020, 8, 287.	4.1	31
15	Touch and Hearing Mediate Osseoperception. Scientific Reports, 2017, 7, 45363.	3.3	22
16	Online Grasp Force Estimation From the Transient EMG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2333-2341.	4.9	21
17	Feasibility of Tracking Multiple Implanted Magnets With a Myokinetic Control Interface: Simulation and Experimental Evidence Based on the Point Dipole Model. IEEE Transactions on Biomedical Engineering, 2020, 67, 1282-1292.	4.2	20
18	Development of an Embedded Myokinetic Prosthetic Hand Controller. Sensors, 2019, 19, 3137.	3.8	13

FRANCESCO CLEMENTE

#	Article	IF	CITATIONS
19	The preload force affects the perception threshold of muscle vibration-induced movement illusions. Experimental Brain Research, 2019, 237, 111-120.	1.5	12
20	Localization accuracy of multiple magnets in a myokinetic control interface. Scientific Reports, 2021, 11, 4850.	3.3	11
21	The Myokinetic Control Interface: How Many Magnets Can be Implanted in an Amputated Forearm? Evidence From a Simulated Environment. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2451-2458.	4.9	10
22	A cosmetic prosthetic digit with bioinspired embedded touch feedback. , 2017, 2017, 1136-1141.		8
23	A novel device for multi-modal sensory feedback in hand prosthetics: Design and preliminary prototype. , 2014, , .		7
24	Intracortical Microstimulation Feedback Improves Grasp Force Accuracy in a Human Using a Brain-Computer Interface. , 2020, 2020, 3355-3358.		7
25	Proprioceptive Augmentation With Illusory Kinaesthetic Sensation in Stroke Patients Improves Movement Quality in an Active Upper Limb Reach-and-Point Task. Frontiers in Neurorobotics, 2021, 15, 610673.	2.8	7
26	Effects of Sensor Resolution and Localization Rate on the Performance of a Myokinetic Control Interface. IEEE Sensors Journal, 2021, 21, 22603-22611.	4.7	6
27	Feasibility of generating 90ÂHz vibrations in remote implanted magnets. Scientific Reports, 2021, 11, 15456.	3.3	5
28	Grasp Force Estimation from HD-EMG Recordings with Channel Selection Using Elastic Nets: Preliminary Study. , 2018, , .		3
29	The myokinetic stimulation interface: activation of proprioceptive neural responses with remotely actuated magnets implanted in rodent forelimb muscle. Journal of Neural Engineering, 2022, 19, 026048.	3.5	3