

# Restoring Natural Sensory Feedback in Real-Time Bidir

Science Translational Medicine

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Acute human brain responses to intracortical microelectrode arrays: challenges and future prospects. <i>Frontiers in Neuroengineering</i> , 2014, 7, 24.	4.8	124
2	In vivo monitoring of glial scar proliferation on chronically implanted neural electrodes by fiber optical coherence tomography. <i>Frontiers in Neuroengineering</i> , 2014, 7, 34.	4.8	42
3	Augmentation-related brain plasticity. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 109.	2.5	65
4	“Messing with the mind” evolutionary challenges to human brain augmentation. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 152.	2.5	7
5	Real-Time Single Camera Hand Gesture Recognition System for Remote Deaf-Blind Communication. <i>Lecture Notes in Computer Science</i> , 2014, , 35-52.	1.3	8
6	Using multiple high-count electrode arrays in human median and ulnar nerves to restore sensorimotor function after previous transradial amputation of the hand. , 2014, 2014, 1977-80.		64
7	A Bio-Hybrid Tactile Sensor Incorporating Living Artificial Skin and an Impedance Sensing Array. <i>Sensors</i> , 2014, 14, 23781-23802.	3.8	7
8	A review of source separation and source localization approaches in peripheral nerves. , 2014, , .		6
9	Identify key grasping-related properties based on cutaneous electrotactile stimulation. , 2014, , .		5
10	Investigations on stability of implanted nervous thin-film electrodes. , 2014, , .		3
11	Guest Editorial. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 711-715.	4.9	15
12	Stretchable silicon nanoribbon electronics for skin prosthesis. <i>Nature Communications</i> , 2014, 5, 5747.	12.8	1,145
13	Restoring Sensory Feedback Enables Real-Time Control of Prosthetic Hand [From the Field]. <i>IEEE Robotics and Automation Magazine</i> , 2014, 21, 88-89.	2.0	2
14	An osseointegrated human-machine gateway for long-term sensory feedback and motor control of artificial limbs. <i>Science Translational Medicine</i> , 2014, 6, 257re6.	12.4	378
15	Bionic Limbs: Clinical Reality and Academic Promises. <i>Science Translational Medicine</i> , 2014, 6, 257ps12.	12.4	117
16	Long Range Prospects of Education - from Now until Singularity. <i>Interdisciplinary Description of Complex Systems</i> , 2014, 12, 161-175.	0.6	3
17	Neural prosthesis for motor function restoration in upper limb extremity. , 2014, , .		9
19	Advances in functional electrical stimulation (FES). <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 795-802.	1.7	124

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22	Technology for Chronic Pain. Current Biology, 2014, 24, R930-R935.	3.9	13
23	Electromyography data for non-invasive naturally-controlled robotic hand prostheses. Scientific Data, 2014, 1, 140053.	5.3	482
24	Tactile Feedback Achieved in Bionic Limb. Neurology Today: an Official Publication of the American Academy of Neurology, 2014, 14, 1.	0.0	0
25	A legal perspective on body implants for therapy and enhancement. International Review of Law, Computers and Technology, 2015, 29, 226-244.	1.2	7
26	Decoding upper limb residual muscle activity in severe chronic stroke. Annals of Clinical and Translational Neurology, 2015, 2, 1-11.	3.7	38
27	PARLOMA – A Novel Human-Robot Interaction System for Deaf-Blind Remote Communication. International Journal of Advanced Robotic Systems, 2015, 12, 57.	2.1	20
28	Chronic multichannel neural recordings from soft regenerative microchannel electrodes during gait. Scientific Reports, 2015, 5, 14363.	3.3	59
29	Decoding of naturalistic textures from spike patterns of neuromorphic artificial mechanoreceptors. BMC Neuroscience, 2015, 16, .	1.9	2
30	Providing a Sense of Touch to Prosthetic Hands. Plastic and Reconstructive Surgery, 2015, 135, 1652-1663.	1.4	77
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37	Human-Machine Interface for the Control of Multi-Function Systems Based on Electrocutaneous Menu: Application to Multi-Grasp Prosthetic Hands. PLoS ONE, 2015, 10, e0127528.	2.5	19
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