

David A Friedenber

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,286
citations

840776

11
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic detection and reversal of myocardial ischemia using an artificially intelligent bioelectronic medicine. <i>Science Advances</i> , 2022, 8, eabj5473.	10.3	4
2	Sense of agency for intracortical brain-machine interfaces. <i>Nature Human Behaviour</i> , 2022, 6, 565-578.	12.0	15
3	A procedure to detect and identify specific chemicals of potential inhalation toxicity concern in aerosols. <i>Inhalation Toxicology</i> , 2022, , 1-15.	1.6	1
4	Decoding hand and Wrist Movement Intention From Chronic Stroke Survivors With Hemiparesis Using A Wearable, User-Centric Neural Interface. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, e14-e15.	0.9	3
5	Motor neuroprosthesis implanted with neurointerventional surgery improves capacity for activities of daily living tasks in severe paralysis: first in-human experience. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 102-108.	3.3	106
6	A Portable, User-Controlled FES System for Upper Limb Reanimation in Individuals with Tetraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, e89-e90.	0.9	0
7	Chemical characterization of marijuana blunt smoke by non-targeted chemical analysis. <i>Inhalation Toxicology</i> , 2020, 32, 177-187.	1.6	8
8	Restoring the Sense of Touch Using a Sensorimotor Demultiplexing Neural Interface. <i>Cell</i> , 2020, 181, 763-773.e12.	28.9	94
9	Clinically Significant Gains in Skillful Grasp Coordination by an Individual With Tetraplegia Using an Implanted Brain-Computer Interface With Forearm Transcutaneous Muscle Stimulation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1201-1217.	0.9	39
10	Meeting brain-machine computer interface user performance expectations using a deep neural network decoding framework. <i>Nature Medicine</i> , 2018, 24, 1669-1676.	30.7	123
11	Extracting wavelet based neural features from human intracortical recordings for neuroprosthetics applications. <i>Bioelectronic Medicine</i> , 2018, 4, 11.	2.3	27
12	Dexterous Control of Seven Functional Hand Movements Using Cortically-Controlled Transcutaneous Muscle Stimulation in a Person With Tetraplegia. <i>Frontiers in Neuroscience</i> , 2018, 12, 208.	2.8	53
13	Restoring cortical control of functional movement in a human with quadriplegia. <i>Nature</i> , 2016, 533, 247-250.	27.8	723
14	Use of Comprehensive Two-Dimensional Gas Chromatography with Time-of-Flight Mass Spectrometric Detection and Random Forest Pattern Recognition Techniques for Classifying Chemical Threat Agents and Detecting Chemical Attribution Signatures. <i>Analytical Chemistry</i> , 2016, 88, 7068-7075.	6.5	22
15	Identification of New and Distinctive Exposures from Little Cigars. <i>Chemical Research in Toxicology</i> , 2016, 29, 162-168.	3.3	26
16	Time Stability and Coherence Analysis of Multiunit, Single-Unit and Local Field Potential Neuronal Signals in Chronically Implanted Brain Electrodes. <i>Bioelectronic Medicine</i> , 2015, 2, 63-71.	2.3	37
17	Straight to the Source: Detecting Aggregate Objects in Astronomical Images With Proper Error Control. <i>Journal of the American Statistical Association</i> , 2013, 108, 456-468.	3.1	5