Natsue Yoshimura

List of Publications by Year
in descending order

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51	1,131	394286	414303
papers	citations	19 h-index	32 g-index

52	52	52	1452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteome analysis of soluble nuclear proteins reveals that HMGB1/2 suppress genotoxic stress in polyglutamine diseases. Nature Cell Biology, 2007, 9, 402-414.	4.6	97
2	Prediction of Three-Dimensional Arm Trajectories Based on ECoG Signals Recorded from Human Sensorimotor Cortex. PLoS ONE, 2013, 8, e72085.	1.1	88
3	Transcriptional repression induces a slowly progressive atypical neuronal death associated with changes of YAP isoforms and p73. Journal of Cell Biology, 2006, 172, 589-604.	2.3	84
4	Suppression of the novel ER protein Maxer by mutant ataxin-1 in Bergman glia contributes to non-cell-autonomous toxicity. EMBO Journal, 2010, 29, 2446-2460.	3.5	68
5	Hybrid Control of a Vision-Guided Robot Arm by EOG, EMG, EEG Biosignals and Head Movement Acquired via a Consumer-Grade Wearable Device. IEEE Access, 2016, 4, 9528-9541.	2.6	62
6	Reconstruction of flexor and extensor muscle activities from electroencephalography cortical currents. NeuroImage, 2012, 59, 1324-1337.	2.1	58
7	Versatile Locomotion Control of a Hexapod Robot Using a Hierarchical Network of Nonlinear Oscillator Circuits. IEEE Access, 2018, 6, 8042-8065.	2.6	56
8	Decoding fingertip trajectory from electrocorticographic signals in humans. Neuroscience Research, 2014, 85, 20-27.	1.0	51
9	Real-Time Control of a Video Game Using Eye Movements and Two Temporal EEG Sensors. Computational Intelligence and Neuroscience, 2015, 2015, 1-10.	1.1	41
10	Prediction of Hand Trajectory from Electrocorticography Signals in Primary Motor Cortex. PLoS ONE, 2013, 8, e83534.	1.1	37
11	Decoding grasp force profile from electrocorticography signals in non-human primate sensorimotor cortex. Neuroscience Research, 2014, 83, 1-7.	1.0	36
12	Decoding of Covert Vowel Articulation Using Electroencephalography Cortical Currents. Frontiers in Neuroscience, 2016, 10, 175.	1.4	34
13	Mapping ECoG channel contributions to trajectory and muscle activity prediction in human sensorimotor cortex. Scientific Reports, 2017, 7, 45486.	1.6	33
14	Online classification algorithm for eye-movement-based communication systems using two temporal EEG sensors. Biomedical Signal Processing and Control, 2015, 16, 40-47.	3.5	32
15	Decoding finger movement in humans using synergy of EEG cortical current signals. Scientific Reports, 2017, 7, 11382.	1.6	29
16	PQBP-1 is expressed predominantly in the central nervous system during development. European Journal of Neuroscience, 2005, 22, 1277-1286.	1.2	28
17	Knock-down of PQBP1 impairs anxiety-related cognition in mouse. Human Molecular Genetics, 2009, 18, 4239-4254.	1.4	27
18	Classification of Movement Intention Using Independent Components of Premovement EEG. Frontiers in Human Neuroscience, 2019, 13, 63.	1.0	25

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19	DrosophilaPQBP1 Regulates Learning Acquisition at Projection Neurons in Aversive Olfactory Conditioning. Journal of Neuroscience, 2010, 30, 14091-14101.	1.7	24
20	Wavelet-based discrimination of isolated singularities masquerading as multifractals in detrended fluctuation analyses. Nonlinear Dynamics, 2020, 100, 1689-1704.	2.7	19
21	Expression of human PQBP-1 inDrosophilaimpairs long-term memory and induces abnormal courtship. FEBS Letters, 2006, 580, 2335-2340.	1.3	17
22	Connectivity Influences on Nonlinear Dynamics in Weakly-Synchronized Networks: Insights From RÃ¶ssler Systems, Electronic Chaotic Oscillators, Model and Biological Neurons. IEEE Access, 2019, 7, 174793-174821.	2.6	17
23	Title is missing!. Journal of Medical and Biological Engineering, 2013, , .	1.0	17
24	Analysis of Personality and EEG Features in Emotion Recognition Using Machine Learning Techniques to Classify Arousal and Valence Labels. Machine Learning and Knowledge Extraction, 2020, 2, 99-124.	3.2	13
25	The Effect of Temporal Perception on Weight Perception. Frontiers in Psychology, 2013, 4, 40.	1.1	12
26	Utilizing sensory prediction errors for movement intention decoding: A new methodology. Science Advances, 2018, 4, eaaq0183.	4.7	12
27	Age-Related Decline of Sensorimotor Integration Influences Resting-State Functional Brain Connectivity. Brain Sciences, 2020, 10, 966.	1.1	11
28	Electroencephalography of completely locked-in state patients with amyotrophic lateral sclerosis. Neuroscience Research, 2021, 162, 45-51.	1.0	11
29	Distributed Sensing Via Inductively Coupled Single-Transistor Chaotic Oscillators: A New Approach and Its Experimental Proof-of-Concept. IEEE Access, 2020, 8, 36536-36555.	2.6	9
30	Decoding of Ankle Flexion and Extension from Cortical Current Sources Estimated from Non-invasive Brain Activity Recording Methods. Frontiers in Neuroscience, 2017, 11, 733.	1.4	8
31	The Effect of ICA and Non-negative Matrix Factorization Analysis for EMG Signals Recorded From Multi-Channel EMG Sensors. Frontiers in Neuroscience, 2020, 14, 600804.	1.4	8
32	Restricted Minimum Error Entropy Criterion for Robust Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6599-6612.	7.2	8
33	Dissociable neural representations of wrist motor coordinate frames in human motor cortices. NeuroImage, 2014, 97, 53-61.	2.1	7
34	Exploring EEG Characteristics to Identify Emotional Reactions under Videogame Scenarios. Brain Sciences, 2021, 11, 378.	1.1	7
35	Generation of diverse insect-like gait patterns using networks of coupled RÃ¶ssler systems. Chaos, 2020, 30, 123132.	1.0	5
36	Towards a Simplified Estimation of Muscle Activation Pattern from MRI and EMG Using Electrical Network and Graph Theory. Sensors, 2020, 20, 724.	2.1	5

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37	Investigation of Delayed Response during Real-Time Cursor Control Using Electroencephalography. Journal of Healthcare Engineering, 2020, 2020, 1-9.	1.1	5
38	Independent Components of EEG Activity Correlating with Emotional State. Brain Sciences, 2020, 10, 669.	1.1	5
39	Control of a Brick-Breaking Game Using Electromyogram. International Journal of Engineering and Technology, 2014, 6, 128-131.	0.1	5
40	Individualistic weight perception from motion on a slope. Scientific Reports, 2016, 6, 25432.	1.6	4
41	Control of a Robot Arm Using Decoded Joint Angles from Electrocorticograms in Primate. Computational Intelligence and Neuroscience, 2018, 2018, 1-8.	1.1	4
42	Computational reproductions of external force field adaption without assuming desired trajectories. Neural Networks, 2021, 139, 179-198.	3.3	3
43	Galvanic Vestibular Stimulation-Based Prediction Error Decoding and Channel Optimization. International Journal of Neural Systems, 2021, 31, 2150034.	3.2	3
44	Utilizing Fuzzy-SVM and a Subject Database to Reduce the Calibration Time of P300-Based BCI. Lecture Notes in Computer Science, 2010, , 1-8.	1.0	3
45	Warped phase coherence: An empirical synchronization measure combining phase and amplitude information. Chaos, 2019, 29, 021102.	1.0	2
46	Controlling an electromyography-based power-assist device for the wrist using electroencephalography cortical currents. Advanced Robotics, 2017, 31, 88-96.	1.1	1
47	Effectiveness of sparse linear regression for reconstructing muscle activity from EEG current sources. Neuroscience Research, 2010, 68, e328.	1.0	0
48	Vowel Sound Synthesis from Electroencephalography during Listening and Recalling. Advanced Intelligent Systems, 2021, 3, 2000164.	3.3	0
49	Binary Semantic Classification Using Cortical Activation with Pavlovian-Conditioned Vestibular Responses in Healthy and Locked-In Individuals. Cerebral Cortex Communications, 2021, 2, tgab046.	0.7	0
50	Investigating Neural Representation of Finger-Movement Directions Using Electroencephalography Independent Components. Journal of Biomedical Science and Engineering, 2021, 14, 240-265.	0.2	0
51	Vowel Sound Synthesis from Electroencephalography during Listening and Recalling. Advanced Intelligent Systems, 2021, 3, 2170023.	3.3	0