# Ning Jiang

List of Publications by Year
in descending order

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|---|---|---|---|
| 170 papers | 7,943 citations | 71102 41 h-index | 56724 83 g-index |
| 175 all docs | 175 docs citations | 175 times ranked | 6206 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Extraction of Neural Information from the Surface EMG for the Control of Upper-Limb Prostheses: Emerging Avenues and Challenges. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 797-809. | 4.9 | 725 |
| 2 | Origin and evolution of the octoploid strawberry genome. Nature Genetics, 2019, 51, 541-547. | 21.4 | 469 |
| 3 | Extracting Simultaneous and Proportional Neural Control Information for Multiple-DOF Prostheses From the Surface Electromyographic Signal. IEEE Transactions on Biomedical Engineering, 2009, 56, 1070-1080. | 4.2 | 375 |
| 4 | Linear and Nonlinear Regression Techniques for Simultaneous and Proportional Myoelectric Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 269-279. | 4.9 | 298 |
| 5 | Myoelectric Control of Artificial Limbsâ€"Is There a Need to Change Focus? [In the Spotlight]. IEEE Signal Processing Magazine, 2012, 29, 152-150. | 5.6 | 275 |
| 6 | Man/machine interface based on the discharge timings of spinal motor neurons after targeted muscle reinnervation. Nature Biomedical Engineering, 2017, 1, . | 22.5 | 245 |
| 7 | Intuitive, Online, Simultaneous, and Proportional Myoelectric Control Over Two Degrees-of-Freedom in Upper Limb Amputees. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 501-510. | 4.9 | 223 |
| 8 | Simultaneous and Proportional Force Estimation for Multifunction Myoelectric Prostheses Using Mirrored Bilateral Training. IEEE Transactions on Biomedical Engineering, 2011, 58, 681-688. | 4.2 | 212 |
| 9 | Detection of movement intention from single-trial movement-related cortical potentials. Journal of Neural Engineering, 2011, 8, 066009. | 3.5 | 208 |
| 10 | Efficient neuroplasticity induction in chronic stroke patients by an associative brain-computer interface. Journal of Neurophysiology, 2016, 115, 1410-1421. | 1.8 | 189 |
| 11 | Is Accurate Mapping of EMG Signals on Kinematics Needed for Precise Online Myoelectric Control?. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 549-558. | 4.9 | 177 |
| 12 | Enhanced Low-Latency Detection of Motor Intention From EEG for Closed-Loop Brain-Computer Interface Applications. IEEE Transactions on Biomedical Engineering, 2014, 61, 288-296. | 4.2 | 168 |
| 13 | Haplotype-phased genome and evolution of phytonutrient pathways of tetraploid blueberry. GigaScience, 2019, 8, . | 6.4 | 167 |
| 14 | Self-Correcting Pattern Recognition System of Surface EMG Signals for Upper Limb Prosthesis Control. IEEE Transactions on Biomedical Engineering, 2014, 61, 1167-1176. | 4.2 | 163 |
| 15 | EMG-based simultaneous and proportional estimation of wrist/hand kinematics in uni-lateral trans-radial amputees. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 42. | 4.6 | 152 |
| 16 | Extracting Signals Robust to Electrode Number and Shift for Online Simultaneous and Proportional Myoelectric Control by Factorization Algorithms. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 623-633. | 4.9 | 145 |
| 17 | High-throughput determination of the antigen specificities of T cell receptors in single cells. Nature Biotechnology, 2018, 36, 1156-1159. | 17.5 | 144 |
| 18 | A Closed-Loop Brainâ€"Computer Interface Triggering an Active Ankleâ€"Foot Orthosis for Inducing Cortical Neural Plasticity. IEEE Transactions on Biomedical Engineering, 2014, 61, 2092-2101. | 4.2 | 137 |

| # | Article | IF | Citations |
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| 19 | Influence of the training set on the accuracy of surface EMG classification in dynamic contractions for the control of multifunction prostheses. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 25. | 4.6 | 131 |
| 20 | Peripheral Electrical Stimulation Triggered by Self-Paced Detection of Motor Intention Enhances Motor Evoked Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 595-604. | 4.9 | 129 |
| 21 | User adaptation in long-term, open-loop myoelectric training: implications for EMG pattern recognition in prosthesis control. Journal of Neural Engineering, 2015, 12, 046005. | 3.5 | 126 |
| 22 | A brainâ€“computer interface for single-trial detection of gait initiation from movement related cortical potentials. Clinical Neurophysiology, 2015, 126, 154-159. | 1.5 | 112 |
| 23 | Identification of common synaptic inputs to motor neurons from the rectified electromyogram. Journal of Physiology, 2013, 591, 2403-2418. | 2.9 | 98 |
| 24 | Effect of arm position on the prediction of kinematics from EMG in amputees. Medical and Biological Engineering and Computing, 2013, 51, 143-151. | 2.8 | 97 |
| 25 | Tomato MYB49 enhances resistance to Phytophthora infestans and tolerance to water deficit and salt stress. Planta, 2018, 248, 1487-1503. | 3.2 | 80 |
| 26 | Improving robustness against electrode shift of high density EMG for myoelectric control through common spatial patterns. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 110. | 4.6 | 77 |
| 27 | Comparing user-dependent and user-independent training of CNN for SSVEP BCI. Journal of Neural Engineering, 2020, 17, 026028. | 3.5 | 76 |
| 28 | Detection of movement-related cortical potentials based on subject-independent training. Medical and Biological Engineering and Computing, 2013, 51, 507-512. | 2.8 | 75 |
| 29 | A dual-reaction-center Fenton-like process on â€“Cî€,Nâ€“Cu linkage between copper oxides and defect-containing g-C<sub>3</sub>N<sub>4</sub> for efficient removal of organic pollutants. Journal of Materials Chemistry A, 2018, 6, 17819-17828. | 10.3 | 73 |
| 30 | Online mapping of EMG signals into kinematics by autoencoding. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 21. | 4.6 | 68 |
| 31 | Programmed death ligandâ€1 is associated with tumor infiltrating lymphocytes and poorer survival in urothelial cell carcinoma of the bladder. Cancer Science, 2019, 110, 489-498. | 3.9 | 66 |
| 32 | Predicting wrist kinematics from motor unit discharge timings for the control of active prostheses. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 47. | 4.6 | 65 |
| 33 | Fast Recognition of BCI-Inefficient Users Using Physiological Features from EEG Signals: A Screening Study of Stroke Patients. Frontiers in Neuroscience, 2018, 12, 93. | 2.8 | 55 |
| 34 | Real-Time Detection of Acute Cognitive Stress Using a Convolutional Neural Network From Electrocardiographic Signal. IEEE Access, 2019, 7, 42710-42717. | 4.2 | 54 |
| 35 | Framework Cu-doped boron nitride nanobelts with enhanced internal electric field for effective Fenton-like removal of organic pollutants. Journal of Materials Chemistry A, 2019, 7, 6946-6956. | 10.3 | 54 |
| 36 | Robust extraction of basis functions for simultaneous and proportional myoelectric control via sparse non-negative matrix factorization. Journal of Neural Engineering, 2018, 15, 026017. | 3.5 | 51 |

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| 37 | Wrist and Finger Gesture Recognition With Single-Element Ultrasound Signals: A Comparison With Single-Channel Surface Electromyogram. IEEE Transactions on Biomedical Engineering, 2019, 66, 1277-1284. | 4.2 | 51 |
| 38 | Comparison of spatial filters and features for the detection and classification of movement-related cortical potentials in healthy individuals and stroke patients. Journal of Neural Engineering, 2015, 12, 056003. | 3.5 | 47 |
| 39 | Classification of EEG signals to identify variations in attention during motor task execution. Journal of Neuroscience Methods, 2017, 284, 27-34. | 2.5 | 45 |
| 40 | Generation of broadband chaos with perfect time delay signature suppression by using self-phase-modulated feedback and a microsphere resonator. Optics Letters, 2018, 43, 5359. | 3.3 | 44 |
| 41 | Motor Unit Characteristics after Targeted Muscle Reinnervation. PLoS ONE, 2016, 11, e0149772. | 2.5 | 43 |
| 42 | Wideband complex-enhanced chaos generation using a semiconductor laser subject to delay-interfered self-phase-modulated feedback. Optics Express, 2019, 27, 12336. | 3.4 | 43 |
| 43 | Noninvasive, Accurate Assessment of the Behavior of Representative Populations of Motor Units in Targeted Reinnervated Muscles. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 810-819. | 4.9 | 42 |
| 44 | Detection of Movement Related Cortical Potentials from EEG Using Constrained ICA for Brain-Computer Interface Applications. Frontiers in Neuroscience, 2017, 11, 356. | 2.8 | 42 |
| 45 | Alogliptin prevents diastolic dysfunction and preserves left ventricular mitochondrial function in diabetic rabbits. Cardiovascular Diabetology, 2018, 17, 160. | 6.8 | 41 |
| 46 | Brain stateâ€“dependent stimulation boosts functional recovery following stroke. Annals of Neurology, 2019, 85, 84-95. | 5.3 | 41 |
| 47 | High-density EMG E-Textile systems for the control of active prostheses. , 2010, 2010, 3591-3. | | 39 |
| 48 | Bayesian Filtering of Surface EMG for Accurate Simultaneous and Proportional Prosthetic Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1333-1341. | 4.9 | 38 |
| 49 | A Stimulus-Independent Hybrid BCI Based on Motor Imagery and Somatosensory Attentional Orientation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1674-1682. | 4.9 | 38 |
| 50 | Wideband Time Delay Signature-Suppressed Chaos Generation Using Self-Phase-Modulated Feedback Semiconductor Laser Cascaded With Dispersive Component. Journal of Lightwave Technology, 2019, 37, 5132-5139. | 4.6 | 38 |
| 51 | Myoelectric Control in Neurorehabilitation. Critical Reviews in Biomedical Engineering, 2010, 38, 381-391. | 0.9 | 37 |
| 52 | Cascaded Adaptation Framework for Fast Calibration of Myoelectric Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 254-264. | 4.9 | 37 |
| 53 | A Convolutional Neural Network for the Detection of Asynchronous Steady State Motion Visual Evoked Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1303-1311. | 4.9 | 37 |
| 54 | Biometric From Surface Electromyogram (sEMG): Feasibility of User Verification and Identification Based on Gesture Recognition. Frontiers in Bioengineering and Biotechnology, 2020, 8, 58. | 4.1 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Enhanced EMG signal processing for simultaneous and proportional myoelectric control. , 2009, 2009, 4335-8. | | 34 |
| 56 | Towards Zero Retraining for Myoelectric Control Based on Common Model Component Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 444-454. | 4.9 | 34 |
| 57 | Dihydroartemisinin regulates the immune system by promotion of CD8+ T lymphocytes and suppression of B cell responses. Science China Life Sciences, 2020, 63, 737-749. | 4.9 | 33 |
| 58 | A BCI System Based on Somatosensory Attentional Orientation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 81-90. | 4.9 | 29 |
| 59 | A state-based, proportional myoelectric control method: online validation and comparison with the clinical state-of-the-art. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 110. | 4.6 | 28 |
| 60 | The effect of type of afferent feedback timed with motor imagery on the induction of cortical plasticity. Brain Research, 2017, 1674, 91-100. | 2.2 | 28 |
| 61 | Neural variability quenching during decision-making: Neural individuality and its prestimulus complexity. NeuroImage, 2019, 192, 1-14. | 4.2 | 28 |
| 62 | Spatial Information Enhances Myoelectric Control Performance With Only Two Channels. IEEE Transactions on Industrial Informatics, 2019, 15, 1226-1233. | 11.3 | 28 |
| 63 | Real time simultaneous and proportional control of multiple degrees of freedom from surface EMG: Preliminary results on subjects with limb deficiency. , 2012, 2012, 1346-9. | | 27 |
| 64 | Simultaneous and proportional control of 2D wrist movements with myoelectric signals. , 2012, , . | | 26 |
| 65 | Long exposure convolutional memory network for accurate estimation of finger kinematics from surface electromyographic signals. Journal of Neural Engineering, 2021, 18, 026027. | 3.5 | 26 |
| 66 | A Novel Percutaneous Electrode Implant for Improving Robustness in Advanced Myoelectric Control. Frontiers in Neuroscience, 2016, 10, 114. | 2.8 | 25 |
| 67 | Age-Related Changes in Vibro-Tactile EEG Response and Its Implications in BCI Applications: A Comparison Between Older and Younger Populations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 603-610. | 4.9 | 25 |
| 68 | MuscleNET: mapping electromyography to kinematic and dynamic biomechanical variables by machine learning. Journal of Neural Engineering, 2021, 18, 0460d3. | 3.5 | 25 |
| 69 | Sensory Stimulation Training for BCI System Based on Somatosensory Attentional Orientation. IEEE Transactions on Biomedical Engineering, 2019, 66, 640-646. | 4.2 | 24 |
| 70 | Gut microbiota correlates with fiber and apparent nutrients digestion in goose. Poultry Science, 2018, 97, 3899-3909. | 3.4 | 23 |
| 71 | Endogenous sensory discrimination and selection by a fast brain switch for a high transfer rate brain-computer interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 901-910. | 4.9 | 22 |
| 72 | Discriminative Manifold Learning Based Detection of Movement-Related Cortical Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 921-927. | 4.9 | 22 |

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|---|---|---|---|
| 73 | Covariance and Time-Scale Methods for Blind Separation of Delayed Sources. IEEE Transactions on Biomedical Engineering, 2011, 58, 550-556. | 4.2 | 21 |
| 74 | Movement-related cortical potentials in paraplegic patients: abnormal patterns and considerations for BCI-rehabilitation. Frontiers in Neuroengineering, 2014, 7, 35. | 4.8 | 21 |
| 75 | Influence of dual-tasking with different levels of attention diversion on characteristics of the movement-related cortical potential. Brain Research, 2017, 1674, 10-19. | 2.2 | 21 |
| 76 | A Multi-Class BCI Based on Somatosensory Imagery. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1508-1515. | 4.9 | 21 |
| 77 | Electrode Density Affects the Robustness of Myoelectric Pattern Recognition System With and Without Electrode Shift. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 156-163. | 6.3 | 21 |
| 78 | The Fâ€box protein HAWAIIAN SKIRT is required for mimicry targetâ€induced microRNA degradation in Arabidopsis. Journal of Integrative Plant Biology, 2019, 61, 1121-1127. | 8.5 | 21 |
| 79 | Reduce brain computer interface inefficiency by combining sensory motor rhythm and movement-related cortical potential features. Journal of Neural Engineering, 2020, 17, 035003. | 3.5 | 21 |
| 80 | Factors of Influence on the Performance of a Short-Latency Non-Invasive Brain Switch: Evidence in Healthy Individuals and Implication for Motor Function Rehabilitation. Frontiers in Neuroscience, 2015, 9, 527. | 2.8 | 20 |
| 81 | A Multi-Class Tactile Brainâ€“Computer Interface Based on Stimulus-Induced Oscillatory Dynamics. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 3-10. | 4.9 | 20 |
| 82 | Performance Optimization of Surface Electromyography Based Biometric Sensing System for Both Verification and Identification. IEEE Sensors Journal, 2021, 21, 21718-21729. | 4.7 | 19 |
| 83 | Improved Phoneme-Based Myoelectric Speech Recognition. IEEE Transactions on Biomedical Engineering, 2009, 56, 2016-2023. | 4.2 | 18 |
| 84 | Enhanced System Robustness of Asynchronous BCI in Augmented Reality Using Steady-State Motion Visual Evoked Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 85-95. | 4.9 | 18 |
| 85 | Multichannel surface EMG based estimation of bilateral hand kinematics during movements at multiple degrees of freedom. , 2010, 2010, 6066-9. | | 17 |
| 86 | Decoding Covert Somatosensory Attention by a BCI System Calibrated With Tactile Sensation. IEEE Transactions on Biomedical Engineering, 2018, 65, 1689-1695. | 4.2 | 17 |
| 87 | Camera-Based Mirror Visual Feedback: Potential to Improve Motor Preparation in Stroke Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1897-1905. | 4.9 | 16 |
| 88 | Numerical investigation of photonic microwave generation in an optically injected semiconductor laser subject to filtered optical feedback. Optics Express, 2019, 27, 5065. | 3.4 | 16 |
| 89 | Amn1 governs post-mitotic cell separation in Saccharomyces cerevisiae. PLoS Genetics, 2018, 14, e1007691. | 3.5 | 15 |
| 90 | Robustness of Frequency Division Technique for Online Myoelectric Pattern Recognition against Contraction-Level Variation. Frontiers in Bioengineering and Biotechnology, 2017, 5, 3. | 4.1 | 14 |

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|---|---|---|---|
| 91 | Tim-3 signaling blockade with Î±-lactose induces compensatory TIGIT expression in Plasmodium berghei ANKA-infected mice. Parasites and Vectors, 2019, 12, 534. | 2.5 | 14 |
| 92 | A Novel Framework Based on Position Verification for Robust Myoelectric Control Against Sensor Shift. IEEE Sensors Journal, 2019, 19, 9859-9868. | 4.7 | 14 |
| 93 | Influence of attention alternation on movement-related cortical potentials in healthy individuals and stroke patients. Clinical Neurophysiology, 2017, 128, 165-175. | 1.5 | 13 |
| 94 | Continuous 2D control via state-machine triggered by endogenous sensory discrimination and a fast brain switch. Journal of Neural Engineering, 2019, 16, 056001. | 3.5 | 13 |
| 95 | Efficient correction of armband rotation for myoelectric-based gesture control interface. Journal of Neural Engineering, 2020, 17, 036025. | 3.5 | 13 |
| 96 | Position Identification for Robust Myoelectric Control Against Electrode Shift. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 3121-3128. | 4.9 | 13 |
| 97 | An Accurate, Versatile, and Robust Brain Switch for Neurorehabilitation. Springer Briefs in Electrical and Computer Engineering, 2014, , 47-61. | 0.5 | 12 |
| 98 | Detection of movement intention from single-trial movement-related cortical potentials using random and non-random paradigms. Brain-Computer Interfaces, 2015, 2, 29-39. | 1.8 | 12 |
| 99 | Performance of Brainâ€“Computer Interfacing Based on Tactile Selective Sensation and Motor Imagery. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 60-68. | 4.9 | 12 |
| 100 | Evolution and Expression Divergence of the CYP78A Subfamily Genes in Soybean. Genes, 2018, 9, 611. | 2.4 | 12 |
| 101 | Mirror Visual Feedback Combining Vibrotactile Stimulation Promotes Embodiment Perception: An Electroencephalogram (EEG) Pilot Study. Frontiers in Bioengineering and Biotechnology, 2020, 8, 553270. | 4.1 | 12 |
| 102 | Standard bipolar surface EMG estimations mischaracterize pectoralis major activity in commonly performed tasks. Journal of Electromyography and Kinesiology, 2021, 56, 102509. | 1.7 | 12 |
| 103 | Linear regression with frequency division technique for robust simultaneous and proportional myoelectric control during medium and high contraction-level variation. Biomedical Signal Processing and Control, 2020, 61, 101984. | 5.7 | 11 |
| 104 | Can a highly accurate multi-class SSMVEP BCI induce sensory-motor rhythm in the sensorimotor area?. Journal of Neural Engineering, 2021, 18, 035001. | 3.5 | 11 |
| 105 | Classification of motor unit activity following targeted muscle reinnervation. , 2015, , . | | 10 |
| 106 | User-Independent SSVEP BCI Using Complex FFT Features and CNN Classification. , 2019, , . | | 10 |
| 107 | Non-invasive brain stimulation interventions for management of chronic central neuropathic pain: a scoping review protocol. BMJ Open, 2017, 7, e016002. | 1.9 | 9 |
| 108 | Score, Rank, and Decision-Level Fusion Strategies of Multicode Electromyogram-Based Verification and Identification Biometrics. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1068-1079. | 6.3 | 9 |

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| 109 | Myoelectric control of upper limb prosthesis: current status, challenges and recent advances. Frontiers in Neuroengineering, 0, 7, . | 4.8 | 9 |
| 110 | A computational model and simulation study of the efferent activity in the brachial nerves during voluntary motor intent. Medical and Biological Engineering and Computing, 2010, 48, 67-77. | 2.8 | 8 |
| 111 | A Novel Brain-Computer Interface for Chronic Stroke Patients. Biosystems and Biorobotics, 2014, , 51-61. | 0.3 | 8 |
| 112 | User-Specific Channel Selection Method to Improve SSVEP BCI Decoding Robustness Against Variable Inter-Stimulus Distance. , 2019, , . | | 8 |
| 113 | Extracting Neural Drives from Surface EMG: A Generative Model and Simulation Studies. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4838-41. | 0.5 | 7 |
| 114 | A Convolutional Neural Network for Enhancing the Detection of SSVEP in the Presence of Competing Stimuli. , 2019, 2019, 6323-6326. | | 7 |
| 115 | ROP9, MIC3, and SAG2 are heparin-binding proteins in Toxoplasma gondii and involved in host cell attachment and invasion. Acta Tropica, 2019, 192, 22-29. | 2.0 | 7 |
| 116 | Movement Related Cortical Potentials and Sensory Motor Rhythms during Self Initiated and Cued Movements. Biosystems and Biorobotics, 2014, , 701-707. | 0.3 | 7 |
| 117 | Detection of Movement Intentions through a Single Channel of Electroencephalography. Biosystems and Biorobotics, 2014, , 465-472. | 0.3 | 6 |
| 118 | Fusing Frontal and Occipital EEG Features to Detect â€œBrain Switchâ€•by Utilizing Convolutional Neural Network. IEEE Access, 2019, 7, 82817-82825. | 4.2 | 6 |
| 119 | Classification of Movement Preparation Between Attended and Distracted Self-Paced Motor Tasks. IEEE Transactions on Biomedical Engineering, 2019, 66, 3060-3071. | 4.2 | 6 |
| 120 | Construction of a genetic linkage map of <i>Lentinula edodes</i> based on SSR, SRAP and TRAP markers. Breeding Science, 2019, 69, 585-591. | 1.9 | 6 |
| 121 | Scale-Free Analysis of Intraoperative ECoG During Awake Craniotomy for Glioma. Frontiers in Oncology, 2020, 10, 625474. | 2.8 | 6 |
| 122 | Neural control of the healthy pectoralis major from low-to-moderate isometric contractions. Journal of Neurophysiology, 2021, 126, 213-226. | 1.8 | 6 |
| 123 | Modeling of Muscle Motor Unit Innervation Process Correlation and Common Drive. IEEE Transactions on Biomedical Engineering, 2006, 53, 1605-1614. | 4.2 | 5 |
| 124 | A simulation method for the firing sequences of motor units. Journal of Electromyography and Kinesiology, 2007, 17, 527-534. | 1.7 | 5 |
| 125 | Spectrum of the nonstationary electromyographic signal modelled with integral pulse frequency modulation and its application to estimating neural drive information. Journal of Electromyography and Kinesiology, 2009, 19, e267-e279. | 1.7 | 5 |
| 126 | Comparison of EEG spatial filters for movement related cortical potential detection. , 2016, 2016, 1576-1579. | | 5 |

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|---|---|---|---|
| 127 | Movement related EEG signatures associated with freezing of gait in Parkinson's disease: an integrative analysis. Brain Communications, 2021, 3, fcab277. | 3.3 | 5 |
| 128 | Pseudo-online detection and classification for upper-limb movements. Journal of Neural Engineering, 2022, 19, 036042. | 3.5 | 5 |
| 129 | Reply from Dario Farina, Francesco Negro and Ning Jiang. Journal of Physiology, 2014, 592, 251-252. | 2.9 | 4 |
| 130 | Detection of Movement Intention from Movement-Related Cortical Potentials with Different Paradigms. Biosystems and Biorobotics, 2014, , 237-244. | 0.3 | 4 |
| 131 | Online Adaptive Synchronous BCI System with Attention Variations. Springer Briefs in Electrical and Computer Engineering, 2019, , 31-41. | 0.5 | 4 |
| 132 | Analysis of the Relationship Between Motor Imagery and Age-Related Fatigue for CNN Classification of the EEG Data. Frontiers in Aging Neuroscience, 0, 14, . | 3.4 | 4 |
| 133 | The Motor Unit Innervation Process Correlation and Its Effects on EMG Applications. , 2005, 2005, 4239-42. | | 3 |
| 134 | Influence of external cues on synchronized Brain-Computer Interface based on movement related cortical potentials. , 2015, , . | | 3 |
| 135 | Myoelectric control of artificial limb inspired by quantum information processing. Physica Scripta, 2015, 90, 035001. | 2.5 | 3 |
| 136 | Transcranial direct current stimulation versus user training on improving online myoelectric control for amputees. Journal of Neural Engineering, 2017, 14, 046019. | 3.5 | 3 |
| 137 | Tactile Stimulation Training to Enhance MRCP Detection in Chronic Stroke Patients. Lecture Notes in Computer Science, 2017, , 354-363. | 1.3 | 3 |
| 138 | Common Spatial Pattern with Polarity Check for reducing delay latency in detection of MRCP based BCI system. , 2017, , . | | 3 |
| 139 | Iridoid compounds from the aerial parts of Swertia mussotii Franch. with cytotoxic activity. Natural Product Research, 2021, 35, 1544-1549. | 1.8 | 3 |
| 140 | Does Inter-Stimulus Distance Influence the Decoding Performance of SSVEP and SSMVEP BCI?. , 2021, , . | | 3 |
| 141 | Effects of Electrode Configuration on Pattern Recognition Based Finger Movement Classification. Communications in Computer and Information Science, 2017, , 117-122. | 0.5 | 2 |
| 142 | Effect of Competing Stimuli for Steady-State Visually Evoked Potential and Steady-State Motion Visually Evoked Potential. IEEE Access, 2021, 9, 129820-129829. | 4.2 | 2 |
| 143 | Enhancing Detection of SSMVEP Induced by Action Observation Stimuli Based on Task-Related Component Analysis. Sensors, 2021, 21, 5269. | 3.8 | 2 |
| 144 | Activation Torque Estimation of Muscles by Forward Neural Networks (Forward-MuscleNET) for sEMG-Based Control of Assistive Robots. , 0, , . | | 2 |

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| 145 | Associative Plasticity Induced by a Brainâ€“Computer Interface Based on Movement-Related Cortical Potentials. , 2018, , 669-684. | | 2 |
| 146 | Effect of Guided Tactical Breathing with Biofeedback on Acute Stress Attenuation and Marksmanship Performance of Novice Shooters. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 641-645. | 0.3 | 2 |
| 147 | Influence of Spontaneous Rhythm on Movement-Related Cortical Potential - A Preliminary Neurofeedback Study. Lecture Notes in Computer Science, 2017, , 90-98. | 1.3 | 1 |
| 148 | A Hybrid BCI Approach to Detect Brain Switch in Action Observation by Utilizing Convolution Neural Network. , 2019, , . | | 1 |
| 149 | A Reference-based Source Extraction Algorithm to Extract Movement Related Cortical Potentials for Brain-Computer Interface Applications. , 2019, , . | | 1 |
| 150 | Optimizing Probability Threshold of Convolution Neural Network to Improve HRV-based Acute Stress Detection Performance. , 2019, 2019, 5318-5321. | | 1 |
| 151 | Movement Related Cortical Potentials in Parkinsonâ€™s Disease Patients with Freezing of Gait*. , 2020, 2020, 2857-2860. | | 1 |
| 152 | Asynchronous SSMVEP BCI and Influence of Dynamic Background in Augmented Reality. , 2021, , . | | 1 |
| 153 | Differential regional pectoralis major activation indicates functional diversity in healthy females. Journal of Biomechanics, 2022, 133, 110966. | 2.1 | 1 |
| 154 | A Novel Simulation Model for the Motor Unit Innervation Process. , 2005, 2005, 2993-6. | | 0 |
| 155 | Estimating forces at multiple degrees of freedom from surface EMG using non-negative matrix factorization for myoelectric control. , 2008, , . | | 0 |
| 156 | Simulation and classification of the efferent activity in brachial nerves. , 2009, 2009, 4954-7. | | 0 |
| 157 | The potential of imagination and artificial afference in stroke rehabilitation. , 2012, , . | | 0 |
| 158 | Simultaneous and Proportional Myocontrol of Multiple Degrees of Freedom. Biosystems and Biorobotics, 2013, , 1225-1228. | 0.3 | 0 |
| 159 | Hierarchical Bayes based Adaptive Sparsity in Gaussian Mixture Model. Pattern Recognition Letters, 2014, 49, 238-247. | 4.2 | 0 |
| 160 | Cortical oscillatory dynamics of tactile selective sensation - for a novel type of somatosensory Brain-computer Interface. , 2017, 2017, 1656-1659. | | 0 |
| 161 | Evaluating the effectiveness of different external cues on non-invasive brain-computer interfaces. , 2017, 2017, 2782-2785. | | 0 |
| 162 | Fast Detection of Acute Cognitive Stress Measurement via Heart Rate Variability. , 2019, , . | | 0 |

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|---|---|---|---|
| 163 | Surface Potential Phase Discrimination of Bereitschaftspotentials. , 2019, , . | | 0 |
| 164 | Convolution Neural Network for EMG-Based Finger Gesture Classification for Novel and Trained Gestures*. , 2019, , . | | 0 |
| 165 | Peripheral electrical stimulation triggered by movement related cortical potentials enhances cortical excitability. Frontiers in Computational Neuroscience, 0, 5, . | 2.1 | 0 |
| 166 | EMG-based Simultaneous and Proportional Estimation of Wrist Kinematics and its Application in Intuitive Myoelectric Control for Unilateral transradial Amputees. Frontiers in Computational Neuroscience, 0, 5, . | 2.1 | 0 |
| 167 | The Changing Brain: Bidirectional Learning Between Algorithm and User. Springer Briefs in Electrical and Computer Engineering, 2015, , 115-125. | 0.5 | 0 |
| 168 | Towards Online Functional Brain Mapping and Monitoring During Awake Craniotomy Surgery Using ECoG-Based Brain-Surgeon Interface (BSI). Springer Briefs in Electrical and Computer Engineering, 2017, , 91-96. | 0.5 | 0 |
| 169 | Wideband Complexity-Enhanced Optical Chaos Generation and its Application for Fast Random Bit Generation. , 2018, , . | | 0 |
| 170 | Brain State-Dependent Peripheral Nerve Stimulation for Plasticity Induction in Stroke Patients. Biosystems and Biorobotics, 2019, , 1066-1070. | 0.3 | 0 |