

# Janis J Daly

## List of Publications by Year in descending order

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62  
papers

3,284  
citations

218677

26  
h-index

149698

56  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3501  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Brain-computer interfaces in neurological rehabilitation. <i>Lancet Neurology</i> , The, 2008, 7, 1032-1043.  | 10.2 | 954       |
| 2  | Feasibility of a New Application of Noninvasive Brain Computer Interface (BCI): A Case Study of Training for Recovery of Volitional Motor Control After Stroke. <i>Journal of Neurologic Physical Therapy</i> , 2009, 33, 203-211.                                      | 1.4  | 235       |
| 3  | Comparison of Robotics, Functional Electrical Stimulation, and Motor Learning Methods for Treatment of Persistent Upper Extremity Dysfunction After Stroke: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 981-990. | 0.9  | 167       |
| 4  | Response to upper-limb robotics and functional neuromuscular. <i>Journal of Rehabilitation Research and Development</i> , 2005, 42, 723.  | 1.6  | 149       |
| 5  | Construction of Efficacious Gait and Upper Limb Functional Interventions Based on Brain Plasticity Evidence and Model-Based Measures For Stroke Patients. <i>Scientific World Journal</i> , The, 2007, 7, 2031-2045.  | 2.1  | 126       |
| 6  | A Randomized Controlled Trial of Functional Neuromuscular Stimulation in Chronic Stroke Subjects. <i>Stroke</i> , 2006, 37, 172-178.  | 2.0  | 118       |
| 7  | Recovery of Coordinated Gait. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 588-596.   | 2.9  | 109       |
| 8  | Functional corticomuscular connection during reaching is weakened following stroke. <i>Clinical Neurophysiology</i> , 2009, 120, 994-1002.  | 1.5  | 105       |
| 9  | Prefrontal over-activation during walking in people with mobility deficits: Interpretation and functional implications. <i>Human Movement Science</i> , 2018, 59, 46-55.  | 1.4  | 93        |
| 10 | Brain-Computer Interface: Current and Emerging Rehabilitation Applications. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, S1-S7.  | 0.9  | 89        |
| 11 | Long-Dose Intensive Therapy Is Necessary for Strong, Clinically Significant, Upper Limb Functional Gains and Retained Gains in Severe/Moderate Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 523-537.  | 2.9  | 86        |
| 12 | Development and testing of the Gait Assessment and Intervention Tool (G.A.I.T.): A measure of coordinated gait components. <i>Journal of Neuroscience Methods</i> , 2009, 178, 334-339.   | 2.5  | 62        |
| 13 | Examining the positive effects of exercise in intubated adults in ICU: A prospective repeated measures clinical study. <i>Intensive and Critical Care Nursing</i> , 2012, 28, 307-318.  | 2.9  | 62        |
| 14 | Topographical measures of functional connectivity as biomarkers for post-stroke motor recovery. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 67.   | 4.6  | 57        |
| 15 | Prolonged cognitive planning time, elevated cognitive effort, and relationship to coordination and motor control following stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 168-171.                                       | 4.9  | 53        |
| 16 | Physiological Cost Index as a Proxy Measure for the Oxygen Cost of Gait in Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2007, 21, 429-434.   | 2.9  | 50        |
| 17 | Weakening of Synergist Muscle Coupling During Reaching Movement in Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 359-368.   | 2.9  | 49        |
| 18 | Association of spasticity and motor dysfunction in chronic stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 397-402.   | 2.3  | 48        |

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|----|---|-----|-----------|
| 19 | Therapeutic applications of BCI technologies. <i>Brain-Computer Interfaces</i> , 2017, 4, 37-52.  | 1.8 | 44        |
| 20 | Intra-limb coordination deficit in stroke survivors and response to treatment. <i>Gait and Posture</i> , 2007, 25, 412-418.   | 1.4 | 40        |
| 21 | Answering the Call: The Influence of Neuroimaging and Electrophysiological Evidence on Rehabilitation. <i>Physical Therapy</i> , 2007, 87, 684-703.   | 2.4 | 38        |
| 22 | Automatic Synchronization of Functional Electrical Stimulation and Robotic Assisted Treadmill Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 310-313.                                    | 4.9 | 37        |
| 23 | Abnormal cognitive planning and movement smoothness control for a complex shoulder/elbow motor task in stroke survivors. <i>Journal of the Neurological Sciences</i> , 2007, 256, 21-29.  | 0.6 | 36        |
| 24 | Response of sagittal plane gait kinematics to weight-supported treadmill training and functional neuromuscular stimulation following stroke. <i>Journal of Rehabilitation Research and Development</i> , 2004, 41, 807.                   | 1.6 | 35        |
| 25 | Recovery of post stroke proximal arm function, driven by complex neuroplastic bilateral brain activation patterns and predicted by baseline motor dysfunction severity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 394.            | 2.0 | 33        |
| 26 | Feasibility of combining multi-channel functional neuromuscular stimulation with weight-supported treadmill training. <i>Journal of the Neurological Sciences</i> , 2004, 225, 105-115.   | 0.6 | 31        |
| 27 | Interpreting Prefrontal Recruitment During Walking After Stroke: Influence of Individual Differences in Mobility and Cognitive Function. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 194.  | 2.0 | 29        |
| 28 | Electrically Induced Recovery of Gait Components for Older Patients with Chronic Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2000, 79, 349-360.   | 1.4 | 28        |
| 29 | Upper-Extremity Stroke Therapy Task Discrimination Using Motion Sensors and Electromyography. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 82-90.  | 4.9 | 23        |
| 30 | Development of a combined, sequential real-time fMRI and fNIRS neurofeedback system to enhance motor learning after stroke. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108719.   | 2.5 | 22        |
| 31 | Static and dynamic postural stability in veterans with combat-related mild traumatic brain injury. <i>Gait and Posture</i> , 2015, 42, 550-557.   | 1.4 | 21        |
| 32 | Capability of 2 Gait Measures for Detecting Response to Gait Training in Stroke Survivors: Gait Assessment and Intervention Tool and the Tinetti Gait Scale. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 129-136. | 0.9 | 20        |
| 33 | Feasibility of gait training for acute stroke patients using FNS with implanted electrodes. <i>Journal of the Neurological Sciences</i> , 2000, 179, 103-107.   | 0.6 | 17        |
| 34 | Response of prolonged flaccid paralysis to FNS rehabilitation techniques. <i>Disability and Rehabilitation</i> , 2000, 22, 565-573.   | 1.8 | 14        |
| 35 | Functional Brain Correlates of Upper Limb Spasticity and Its Mitigation following Rehabilitation in Chronic Stroke Survivors. <i>Stroke Research and Treatment</i> , 2014, 2014, 1-8.   | 0.8 | 14        |
| 36 | A Detection Scheme for Frontalis and Temporalis Muscle EMG Contamination of EEG Data. , 2006, 2006, 4514-8.   |     | 12        |

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|----|---|-----|-----------|
| 37 | Abnormal Leg Muscle Latencies and Relationship to Dyscoordination and Walking Disability after Stroke. <i>Rehabilitation Research and Practice</i> , 2011, 2011, 1-8.   | 0.6 | 12        |
| 38 | Enhanced life-role participation in response to comprehensive gait training in chronic-stroke survivors. <i>Disability and Rehabilitation</i> , 2012, 34, 1535-1539.  | 1.8 | 12        |
| 39 | Greater Cortical Thickness Is Associated With Enhanced Sensory Function After Arm Rehabilitation in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 590-601.   | 2.9 | 12        |
| 40 | Combined real-time fMRI and real time fNIRS brain computer interface (BCI): Training of volitional wrist extension after stroke, a case series pilot study. <i>PLoS ONE</i> , 2021, 16, e0250431.   | 2.5 | 12        |
| 41 | fMRI methods for proximal upper limb joint motor testing and identification of undesired mirror movement after stroke. <i>Journal of Neuroscience Methods</i> , 2008, 175, 133-142.   | 2.5 | 11        |
| 42 | Enhanced life-role participation in response to comprehensive gait training in chronic stroke survivors. <i>Disability and Rehabilitation</i> , 2012, 34, 2264-2271.  | 1.8 | 11        |
| 43 | Mobility Function and Recovery After Stroke: Preliminary Insights From Sympathetic Nervous System Activity. <i>Journal of Neurologic Physical Therapy</i> , 2018, 42, 224-232.  | 1.4 | 11        |
| 44 | Innovative Long-Dose Neurorehabilitation for Balance and Mobility in Chronic Stroke: A Preliminary Case Series. <i>Brain Sciences</i> , 2020, 10, 555.  | 2.3 | 11        |
| 45 | Response of gait deficits to neuromuscular electrical stimulation for stroke survivors. <i>Expert Review of Neurotherapeutics</i> , 2006, 6, 1511-1522.   | 2.8 | 8         |
| 46 | Guest Editorial: Gait coordination protocol for recovery of coordinated gait, function, and quality of life following stroke. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, xix.                                      | 1.6 | 8         |
| 47 | A generalized regression model for region of interest analysis of fMRI data. <i>NeuroImage</i> , 2012, 59, 502-510.   | 4.2 | 8         |
| 48 | Hemispheric Activation during Planning and Execution Phases in Reaching post Stroke. <i>Medicine (United States)</i> , 2015, 94, e307.  | 1.0 | 8         |
| 49 | Reliability and Minimal Detectable Change in the Gait Assessment and Intervention Tool in Patients With Multiple Sclerosis. <i>PM and R</i> , 2020, 12, 685-691.  | 1.6 | 8         |
| 50 | Spanish Cross-cultural Adaptation of the Gait Assessment and Intervention Tool. <i>PM and R</i> , 2019, 11, 954-962.  | 1.6 | 7         |
| 51 | Common Data Elements for Unruptured Intracranial Aneurysm and Subarachnoid Hemorrhage Clinical Research: Recommendations from the Working Group on Long-Term Therapies. <i>Neurocritical Care</i> , 2019, 30, 79-86.                          | 2.4 | 6         |
| 52 | Necessity and Content of Swing Phase Gait Coordination Training Post Stroke; A Case Report. <i>Brain Sciences</i> , 2021, 11, 1498.   | 2.3 | 6         |
| 53 | Stance Phase Gait Training Post Stroke Using Simultaneous Transcranial Direct Current Stimulation and Motor Learning-Based Virtual Reality-Assisted Therapy: Protocol Development and Initial Testing. <i>Brain Sciences</i> , 2022, 12, 701. | 2.3 | 6         |
| 54 | Addressing low frequency movement artifacts in EEG signal recorded during center-out reaching tasks. , 2014, 2014, 6497-500.  |     | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Brain control of functional reach in healthy adults and stroke survivors. Restorative Neurology and Neuroscience, 2014, 32, 559-573.  | 0.7 | 4         |
| 56 | Construct Validity of the Gait Assessment and Intervention Tool (<scp>GAIT</scp>) in People With Multiple Sclerosis. PM and R, 2021, 13, 307-313.   | 1.6 | 4         |
| 57 | BCI Therapeutic Applications for Improving Brain Function. , 2012, , 352-362.   |     | 4         |
| 58 | A Detection Scheme for Frontalis and Temporalis Muscle EMG Contamination of EEG Data. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .          | 0.5 | 2         |
| 59 | Trajectories of stroke recovery of impairment, function, and quality of life in response to 12-month mobility and fitness intervention. NeuroRehabilitation, 2021, , 1-12.                        | 1.3 | 2         |
| 60 | Four methods of brain pattern analyses of fMRI signals associated with wrist extension versus wrist flexion studied for potential use in future motor learning BCI. PLoS ONE, 2021, 16, e0254338. | 2.5 | 1         |
| 61 | Abstract 73: Improvement of Arm Function Following Intensive Rehabilitation in Chronic Stroke Correlates With Increase in Fractional Anisotropy in Major White Matter Tracts. Stroke, 2016, 47, . | 2.0 | 0         |
| 62 | The FNS project. Rehab Management, 2003, 16, 32-5, 58.  | 0.0 | 0         |