

Frederic R Danion

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9238750/publications.pdf>

Version: 2024-02-01

46
papers

1,567
citations

361296

20
h-index

302012

39
g-index

46
all docs

46
docs citations

46
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of motor variability in marginally redundant multifinger force production tasks. <i>Experimental Brain Research</i> , 2001, 141, 153-165.	0.7	256
2	Understanding finger coordination through analysis of the structure of force variability. <i>Biological Cybernetics</i> , 2002, 86, 29-39.	0.6	162
3	A mode hypothesis for finger interaction during multi-finger force-production tasks. <i>Biological Cybernetics</i> , 2003, 88, 91-98.	0.6	147
4	Postural sway under muscle vibration and muscle fatigue in humans. <i>Neuroscience Letters</i> , 2002, 333, 131-135.	1.0	110
5	Finger coordination during discrete and oscillatory force production tasks. <i>Experimental Brain Research</i> , 2002, 146, 419-432.	0.7	108
6	Approaches to analysis of handwriting as a task of coordinating a redundant motor system. <i>Human Movement Science</i> , 2003, 22, 153-171.	0.6	73
7	Central mechanisms of finger interaction during one- and two-hand force production at distal and proximal phalanges. <i>Brain Research</i> , 2002, 924, 198-208.	1.1	59
8	Can the Human Brain Predict the Consequences of Arm Movement Corrections When Transporting an Object? Hints from Grip Force Adjustments. <i>Journal of Neuroscience</i> , 2007, 27, 12839-12843.	1.7	55
9	Delayed Visual Feedback Affects Both Manual Tracking and Grip Force Control When Transporting a Handheld Object. <i>Journal of Neurophysiology</i> , 2010, 104, 641-653.	0.9	52
10	Bilateral deficit and symmetry in finger force production during two-hand multifinger tasks. <i>Experimental Brain Research</i> , 2001, 141, 530-540.	0.7	47
11	Fitts's law in human standing: the effect of scaling. <i>Neuroscience Letters</i> , 1999, 277, 131-133.	1.0	42
12	Separate Contributions of Kinematic and Kinetic Errors to Trajectory and Grip Force Adaptation When Transporting Novel Hand-Held Loads. <i>Journal of Neuroscience</i> , 2013, 33, 2229-2236.	1.7	33
13	Finger interactions studied with transcranial magnetic stimulation during multi-finger force production tasks. <i>Clinical Neurophysiology</i> , 2003, 114, 1445-1455.	0.7	32
14	Different gaze strategies during eye versus hand tracking of a moving target. <i>Scientific Reports</i> , 2018, 8, 10059.	1.6	32
15	Predictive control of grip force when moving object with an elastic load applied on the arm. <i>Experimental Brain Research</i> , 2006, 172, 331-342.	0.7	31
16	The relation between force magnitude, force steadiness, and muscle co-contraction in the thumb during precision grip. <i>Neuroscience Letters</i> , 2004, 368, 176-180.	1.0	30
17	The role of haptic feedback when manipulating nonrigid objects. <i>Journal of Neurophysiology</i> , 2012, 107, 433-441.	0.9	29
18	Relations between surface EMG of extrinsic flexors and individual finger forces support the notion of muscle compartments. <i>European Journal of Applied Physiology</i> , 2002, 88, 185-188.	1.2	27

#	ARTICLE	IF	CITATIONS
19	Finger Coordination and Bilateral Deficit during Two-Hand Force Production Tasks Performed by Right-Handed Subjects. <i>Journal of Applied Biomechanics</i> , 2000, 16, 379-391.	0.3	26
20	Ageing affects the predictive control of grip force during object manipulation. <i>Experimental Brain Research</i> , 2007, 180, 123-137.	0.7	22
21	Handedness Matters for Motor Control But Not for Prediction. <i>ENeuro</i> , 2019, 6, ENEURO.0136-19.2019.	0.9	22
22	Sex differences in visuomotor tracking. <i>Scientific Reports</i> , 2020, 10, 11863.	1.6	18
23	Eye tracking a self-moved target with complex hand-target dynamics. <i>Journal of Neurophysiology</i> , 2016, 116, 1859-1870.	0.9	17
24	Intentional On-line Adaptation of Rhythmic Movements during a Hyper- to Microgravity Change. <i>Motor Control</i> , 1997, 1, 247-262.	0.3	12
25	Coupling phenomena during asynchronous submaximal two-hand, multi-finger force production tasks in humans. <i>Neuroscience Letters</i> , 2002, 331, 75-78.	1.0	12
26	When the fingers need to act faster than the arm: coordination between grip force and load force during oscillation of a hand-held object. <i>Experimental Brain Research</i> , 2009, 193, 85-94.	0.7	12
27	Effects of transcranial magnetic stimulation on muscle activation patterns and joint kinematics within a two-joint motor synergy. <i>Brain Research</i> , 2003, 961, 229-242.	1.1	11
28	Does visually induced self-motion affect grip force when holding an object?. <i>Journal of Neurophysiology</i> , 2012, 108, 1685-1694.	0.9	11
29	Eye movements do not play an important role in the adaptation of hand tracking to a visuomotor rotation. <i>Journal of Neurophysiology</i> , 2019, 121, 1967-1976.	0.9	11
30	Asymmetrical Relationship between Prediction and Control during Visuomotor Adaptation. <i>ENeuro</i> , 2018, 5, ENEURO.0280-18.2018.	0.9	9
31	Limited Contribution of Primary Motor Cortex in Eye-Hand Coordination: A TMS Study. <i>Journal of Neuroscience</i> , 2017, 37, 9730-9740.	1.7	8
32	Variance in exposed perturbations impairs retention of visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2017, 118, 2745-2754.	0.9	8
33	How optimal is bimanual tracking? The key role of hand coordination in space. <i>Journal of Neurophysiology</i> , 2020, 123, 511-521.	0.9	7
34	Variability of reciprocal aiming movements during standing: The effect of amplitude and frequency. <i>Gait and Posture</i> , 2006, 23, 173-179.	0.6	6
35	Eye Tracking of Occluded Self-Moved Targets: Role of Haptic Feedback and Hand-Target Dynamics. <i>ENeuro</i> , 2017, 4, ENEURO.0101-17.2017.	0.9	6
36	Motor prediction at the edge of instability: Alteration of grip force control during changes in bimanual coordination.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2010, 36, 1684-1692.	0.7	5

#	ARTICLE	IF	CITATIONS
37	The Trade-Off between Spatial and Temporal Variabilities in Reciprocal Upper-Limb Aiming Movements of Different Durations. PLoS ONE, 2014, 9, e97447.	1.1	5
38	Adaptation of Neuromuscular Synergies During Intentional Constraints of Space-Time Relationships in Human Gait. Journal of Motor Behavior, 2000, 32, 200-208.	0.5	4
39	Gaze behavior during visuomotor tracking with complex hand-cursor dynamics. Journal of Vision, 2019, 19, 24.	0.1	4
40	Dissociation between Temporal and Spatial Anticipation in the Neural Dynamics of Goal-directed Movement Preparation. Journal of Cognitive Neuroscience, 2020, 32, 1301-1315.	1.1	2
41	Ups and downs in catch-up saccades following single-pulse TMS-methodological considerations. PLoS ONE, 2018, 13, e0205208.	1.1	1
42	More precise tracking of horizontal than vertical target motion with both the eyes and hand. Cortex, 2021, 134, 30-42.	1.1	1
43	Superposition of Automatic and Voluntary Aspects of Grip Force Control in Humans during Object Manipulation. PLoS ONE, 2013, 8, e79341.	1.1	1
44	Composition and decomposition of visuomotor maps during manual tracking. Journal of Neurophysiology, 2021, 126, 1685-1697.	0.9	1
45	Eye-hand coordination during visuomotor tracking under complex hand-cursor mapping. Journal of Vision, 2017, 17, 278.	0.1	0
46	Transfer of visuomotor adaptation between eye and hand tracking. Journal of Vision, 2018, 18, 844.	0.1	0