Frederic R Danion

List of Publications by Year
in descending order

46	1,567	361296	302012
papers	citations	20 h-index	39 g-index

46	46	46	894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	More precise tracking of horizontal than vertical target motion with both the eyes and hand. Cortex, 2021, 134, 30-42.	1.1	1
2	Composition and decomposition of visuomotor maps during manual tracking. Journal of Neurophysiology, 2021, 126, 1685-1697.	0.9	1
3	How optimal is bimanual tracking? The key role of hand coordination in space. Journal of Neurophysiology, 2020, 123, 511-521.	0.9	7
4	Sex differences in visuomotor tracking. Scientific Reports, 2020, 10, 11863.	1.6	18
5	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
6	Eye movements do not play an important role in the adaptation of hand tracking to a visuomotor rotation. Journal of Neurophysiology, 2019, 121, 1967-1976.	0.9	11
7	Gaze behavior during visuomotor tracking with complex hand-cursor dynamics. Journal of Vision, 2019, 19, 24.	0.1	4
8	Handedness Matters for Motor Control But Not for Prediction. ENeuro, 2019, 6, ENEURO.0136-19.2019.	0.9	22
9	Ups and downs in catch-up saccades following single-pulse TMS-methodological considerations. PLoS ONE, 2018, 13, e0205208.	1.1	1
10	Different gaze strategies during eye versus hand tracking of a moving target. Scientific Reports, 2018, 8, 10059.	1.6	32
11	Asymmetrical Relationship between Prediction and Control during Visuomotor Adaptation. ENeuro, 2018, 5, ENEURO.0280-18.2018.	0.9	9
12	Transfer of visuomotor adaptation between eye and hand tracking. Journal of Vision, 2018, 18, 844.	0.1	0
13	Limited Contribution of Primary Motor Cortex in Eye-Hand Coordination: A TMS Study. Journal of Neuroscience, 2017, 37, 9730-9740.	1.7	8
14	Variance in exposed perturbations impairs retention of visuomotor adaptation. Journal of Neurophysiology, 2017, 118, 2745-2754.	0.9	8
15	Eye Tracking of Occluded Self-Moved Targets: Role of Haptic Feedback and Hand-Target Dynamics. ENeuro, 2017, 4, ENEURO.0101-17.2017.	0.9	6
16	Eye-hand coordination during visuomotor tracking under complex hand-cursor mapping. Journal of Vision, 2017, 17, 278.	0.1	0
17	Eye tracking a self-moved target with complex hand-target dynamics. Journal of Neurophysiology, 2016, 116, 1859-1870.	0.9	17
18	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

#	Article	IF	Citations
19	Separate Contributions of Kinematic and Kinetic Errors to Trajectory and Grip Force Adaptation When Transporting Novel Hand-Held Loads. Journal of Neuroscience, 2013, 33, 2229-2236.	1.7	33
20	Superposition of Automatic and Voluntary Aspects of Grip Force Control in Humans during Object Manipulation. PLoS ONE, 2013, 8, e79341.	1.1	1
21	Does visually induced self-motion affect grip force when holding an object?. Journal of Neurophysiology, 2012, 108, 1685-1694.	0.9	11
22	The role of haptic feedback when manipulating nonrigid objects. Journal of Neurophysiology, 2012, 107, 433-441.	0.9	29
23	Delayed Visual Feedback Affects Both Manual Tracking and Grip Force Control When Transporting a Handheld Object. Journal of Neurophysiology, 2010, 104, 641-653.	0.9	52
24	Motor prediction at the edge of instability: Alteration of grip force control during changes in bimanual coordination.. Journal of Experimental Psychology: Human Perception and Performance, 2010, 36, 1684-1692.	0.7	5
25	When the fingers need to act faster than the arm: coordination between grip force and load force during oscillation of a hand-held object. Experimental Brain Research, 2009, 193, 85-94.	0.7	12
26	Can the Human Brain Predict the Consequences of Arm Movement Corrections When Transporting an Object? Hints from Grip Force Adjustments. Journal of Neuroscience, 2007, 27, 12839-12843.	1.7	55
27	Aging affects the predictive control of grip force during object manipulation. Experimental Brain Research, 2007, 180, 123-137.	0.7	22
28	Variability of reciprocal aiming movements during standing: The effect of amplitude and frequency. Gait and Posture, 2006, 23, 173-179.	0.6	6
29	Predictive control of grip force when moving object with an elastic load applied on the arm. Experimental Brain Research, 2006, 172, 331-342.	0.7	31
30	The relation between force magnitude, force steadiness, and muscle co-contraction in the thumb during precision grip. Neuroscience Letters, 2004, 368, 176-180.	1.0	30
31	A mode hypothesis for finger interaction during multi-finger force-production tasks. Biological Cybernetics, 2003, 88, 91-98.	0.6	147
32	Effects of transcranial magnetic stimulation on muscle activation patterns and joint kinematics within a two-joint motor synergy. Brain Research, 2003, 961, 229-242.	1.1	11
33	Approaches to analysis of handwriting as a task of coordinating a redundant motor system. Human Movement Science, 2003, 22, 153-171.	0.6	73
34	Finger interactions studied with transcranial magnetic stimulation during multi-finger force production tasks. Clinical Neurophysiology, 2003, 114, 1445-1455.	0.7	32
35	Coupling phenomena during asynchronous submaximal two-hand, multi-finger force production tasks in humans. Neuroscience Letters, 2002, 331, 75-78.	1.0	12
36	Postural sway under muscle vibration and muscle fatigue in humans. Neuroscience Letters, 2002, 333, 131-135.	1.0	110

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37	Central mechanisms of finger interaction during one- and two-hand force production at distal and proximal phalanges. Brain Research, 2002, 924, 198-208.	1.1	59
38	Finger coordination during discrete and oscillatory force production tasks. Experimental Brain Research, 2002, 146, 419-432.	0.7	108
39	Relations between surface EMG of extrinsic flexors and individual finger forces support the notion of muscle compartments. European Journal of Applied Physiology, 2002, 88, 185-188.	1.2	27
40	Understanding finger coordination through analysis of the structure of force variability. Biological Cybernetics, 2002, 86, 29-39.	0.6	162
41	Structure of motor variability in marginally redundant multifinger force production tasks. Experimental Brain Research, 2001, 141, 153-165.	0.7	256
42	Bilateral deficit and symmetry in finger force production during two-hand multifinger tasks. Experimental Brain Research, 2001, 141, 530-540.	0.7	47
43	Finger Coordination and Bilateral Deficit during Two-Hand Force Production Tasks Performed by Right-Handed Subjects. Journal of Applied Biomechanics, 2000, 16, 379-391.	0.3	26
44	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
45	Fittsâ€™ law in human standing: the effect of scaling. Neuroscience Letters, 1999, 277, 131-133.	1.0	42
46	Intentional On-line Adaptation of Rhythmic Movements during a Hyper- to Microgravity Change. Motor Control, 1997, 1, 247-262.	0.3	12