

Alan Wing

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

6,876
citations

66234

42
h-index

60497

81
g-index

90
all docs

90
docs citations

90
times ranked

4010
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Response delays and the timing of discrete motor responses. Perception & Psychophysics, 1973, 14, 5-12. | 2.3 | 787 |
| 2 | The Role of Internal Models in Motion Planning and Control: Evidence from Grip Force Adjustments during Movements of Hand-Held Loads. Journal of Neuroscience, 1997, 17, 1519-1528. | 1.7 | 607 |
| 3 | Grasp Size and Accuracy of Approach in Reaching. Journal of Motor Behavior, 1986, 18, 245-260. | 0.5 | 459 |
| 4 | The timing of interresponse intervals. Perception & Psychophysics, 1973, 13, 455-460. | 2.3 | 369 |
| 5 | Modulation of grip force with load force during point-to-point arm movements. Experimental Brain Research, 1993, 95, 131-43. | 0.7 | 349 |
| 6 | Coupling of grip force and load force during arm movements with grasped objects. Neuroscience Letters, 1993, 152, 53-56. | 1.0 | 208 |
| 7 | Brain activity correlates differentially with increasing temporal complexity of rhythms during initialisation, synchronisation, and continuation phases of paced finger tapping. Neuropsychologia, 2004, 42, 1301-1312. | 0.7 | 199 |
| 8 | The cutaneous contribution to adaptive precision grip. Trends in Neurosciences, 2004, 27, 637-643. | 4.2 | 166 |
| 9 | The dynamics of standing balance. Trends in Cognitive Sciences, 2002, 6, 531-536. | 4.0 | 143 |
| 10 | Voluntary Timing and Brain Function: An Information Processing Approach. Brain and Cognition, 2002, 48, 7-30. | 0.8 | 137 |
| 11 | Light touch contribution to balance in normal bipedal stance. Experimental Brain Research, 1999, 125, 521-524. | 0.7 | 131 |
| 12 | Coordination of aimed movements in a case of unilateral cerebellar damage. Neuropsychologia, 1994, 32, 827-846. | 0.7 | 125 |
| 13 | Coordinated responses following mechanical perturbation of the arm during prehension. Experimental Brain Research, 1995, 102, 483-94. | 0.7 | 122 |
| 14 | Chapter 4 Modeling variability and dependence in timing. Handbook of Perception and Action, 1996, 2, 181-262. | 0.1 | 112 |
| 15 | Effects of Sleep Deprivation on Short Duration Performance Measures Compared to the Wilkinson Auditory Vigilance Task. Sleep, 1978, 1, 169-176. | 0.6 | 98 |
| 16 | Optimal feedback correction in string quartet synchronization. Journal of the Royal Society Interface, 2014, 11, 20131125. | 1.5 | 98 |
| 17 | Agraphia and micrographia: Clinical manifestations of motor programming and performance disorders. Acta Psychologica, 1983, 54, 263-283. | 0.7 | 95 |
| 18 | A comparison of the rate of pinch grip force increases and decreases in Parkinsonian bradykinesia. Neuropsychologia, 1988, 26, 479-482. | 0.7 | 95 |

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|----|---|-----|-----------|
| 19 | Effects of surface texture on weight perception when lifting objects with a precision grip. Perception & Psychophysics, 1995, 57, 282-290. | 2.3 | 84 |
| 20 | Motor control: Mechanisms of motor equivalence in handwriting. Current Biology, 2000, 10, R245-R248. | 1.8 | 81 |
| 21 | Keeping with the beat: movement trajectories contribute to movement timing. Experimental Brain Research, 2004, 159, 129-34. | 0.7 | 81 |
| 22 | Multisensory cues improve sensorimotor synchronisation. European Journal of Neuroscience, 2010, 31, 1828-1835. | 1.2 | 76 |
| 23 | Impaired anticipatory finger grip-force adjustments in a case of cerebellar degeneration. Experimental Brain Research, 1999, 128, 81-85. | 0.7 | 74 |
| 24 | Anticipatory postural adjustments in stance and grip. Experimental Brain Research, 1997, 116, 122-130. | 0.7 | 73 |
| 25 | Processes in handwriting: A case for case. Cognitive Neuropsychology, 1989, 6, 1-23. | 0.4 | 71 |
| 26 | Assessing and Reporting the Accuracy of Position Measurements Made With Optical Tracking Systems. Journal of Motor Behavior, 1990, 22, 315-321. | 0.5 | 70 |
| 27 | Perceptual judgement, grasp point selection and object symmetry. Experimental Brain Research, 2003, 152, 156-165. | 0.7 | 70 |
| 28 | Being discrete helps keep to the beat. Experimental Brain Research, 2009, 192, 731-737. | 0.7 | 67 |
| 29 | A recruitment theory of force-time relations in the production of brief force pulses: The parallel force unit model.. Psychological Review, 1991, 98, 268-294. | 2.7 | 65 |
| 30 | Remote responses to perturbation in human prehension. Neuroscience Letters, 1991, 122, 103-108. | 1.0 | 63 |
| 31 | Changing patterns of postural hip muscle activity during recovery from stroke. Clinical Rehabilitation, 2000, 14, 618-626. | 1.0 | 63 |
| 32 | Hemiparetic Stepping to the Beat: Asymmetric Response to Metronome Phase Shift During Treadmill Gait. Neurorehabilitation and Neural Repair, 2010, 24, 428-434. | 1.4 | 62 |
| 33 | Neurophysiological correlates of error correction in sensorimotor-synchronization. NeuroImage, 2003, 20, 1283-1297. | 2.1 | 60 |
| 34 | Age-Related Changes in Grip Force and Dynamics of Hand Movement. Journal of Motor Behavior, 2003, 35, 79-85. | 0.5 | 60 |
| 35 | Effects of surface texture and grip force on the discrimination of hand-held loads. Perception & Psychophysics, 1997, 59, 111-118. | 2.3 | 57 |
| 36 | The coordination and consistency of rowers in a racing eight. Journal of Sports Sciences, 1995, 13, 187-197. | 1.0 | 54 |

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| 37 | Coordination of hand aperture with the spatial path of hand transport. <i>Experimental Brain Research</i> , 1998, 118, 286-292. | 0.7 | 51 |
| 38 | Proprioception-Related Evoked Potentials: Origin and Sensitivity to Movement Parameters. <i>NeuroImage</i> , 2002, 17, 461-468. | 2.1 | 48 |
| 39 | On the Hand Transport Component of Prehensile Movements. <i>Journal of Motor Behavior</i> , 1997, 29, 282-287. | 0.5 | 46 |
| 40 | Grip force dynamics in the approach to a collision. <i>Experimental Brain Research</i> , 1999, 128, 86-91. | 0.7 | 46 |
| 41 | Lateral balance organisation in human stance in response to a random or predictable perturbation. <i>Experimental Brain Research</i> , 1999, 124, 137-144. | 0.7 | 45 |
| 42 | Force related activations in rhythmic sequence production. <i>NeuroImage</i> , 2005, 27, 909-918. | 2.1 | 45 |
| 43 | Synchronization and leadership in string quartet performance: a case study of auditory and visual cues. <i>Frontiers in Psychology</i> , 2014, 5, 645. | 1.1 | 43 |
| 44 | Effects of type of movement on the temporal precision of response sequences. <i>British Journal of Mathematical and Statistical Psychology</i> , 1977, 30, 60-72. | 1.0 | 42 |
| 45 | Motor fluency deficits in the sequencing of actions in schizophrenia.. <i>Journal of Abnormal Psychology</i> , 2007, 116, 56-64. | 2.0 | 41 |
| 46 | Predictive and reactive co-ordination of grip and load forces in bimanual lifting in man. <i>European Journal of Neuroscience</i> , 2003, 18, 2396-2402. | 1.2 | 40 |
| 47 | Somatosensory driven interpersonal synchrony during rhythmic sway. <i>Human Movement Science</i> , 2012, 31, 553-566. | 0.6 | 40 |
| 48 | Effects of Maintaining Touch Contact on Predictive and Reactive Balance. <i>Journal of Neurophysiology</i> , 2007, 97, 2686-2695. | 0.9 | 39 |
| 49 | Contribution of the motor system to the perception of reachable space: an fMRI study. <i>European Journal of Neuroscience</i> , 2014, 40, 3807-3817. | 1.2 | 39 |
| 50 | Variability in the timing of responses during repetitive tapping with alternate hands. <i>Psychological Research</i> , 1989, 51, 28-37. | 1.0 | 38 |
| 51 | Ground reaction force after a sideways push as a measure of balance in recovery from stroke. <i>Clinical Rehabilitation</i> , 2000, 14, 88-95. | 1.0 | 38 |
| 52 | Timing and aging: Slowing of fastest regular tapping rate with preserved timing error detection and correction.. <i>Psychology and Aging</i> , 2011, 26, 150-161. | 1.4 | 38 |
| 53 | The height of handwriting. <i>Acta Psychologica</i> , 1980, 46, 141-151. | 0.7 | 37 |
| 54 | Attentional focus of feedback for improving performance of reach-to-grasp after stroke: a randomised crossover study. <i>Physiotherapy</i> , 2014, 100, 108-115. | 0.2 | 37 |

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|----|---|-----|-----------|
| 55 | Combining multisensory temporal information for movement synchronisation. <i>Experimental Brain Research</i> , 2010, 200, 277-282. | 0.7 | 36 |
| 56 | Feasibility and Preliminary Efficacy of Visual Cue Training to Improve Adaptability of Walking after Stroke: Multi-Centre, Single-Blind Randomised Control Pilot Trial. <i>PLoS ONE</i> , 2015, 10, e0139261. | 1.1 | 36 |
| 57 | The synchronisation of lower limb responses with a variable metronome: The effect of biomechanical constraints on timing. <i>Gait and Posture</i> , 2006, 23, 307-314. | 0.6 | 35 |
| 58 | Timing and trajectory in rhythm production.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 442-455. | 0.7 | 34 |
| 59 | Action modulates object-based selection. <i>Vision Research</i> , 2005, 45, 2268-2286. | 0.7 | 33 |
| 60 | Interpersonal Light Touch Assists Balance in the Elderly. <i>Journal of Motor Behavior</i> , 2009, 41, 397-399. | 0.5 | 33 |
| 61 | Multidimensional encoding of visual form. <i>Perception & Psychophysics</i> , 1972, 12, 474-476. | 2.3 | 32 |
| 62 | Multiple time scales in serial production of force: A tutorial on power spectral analysis of motor variability. <i>Human Movement Science</i> , 2004, 23, 569-590. | 0.6 | 30 |
| 63 | Neuroscience Findings on Coordination of Reaching to Grasp an Object. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 622-635. | 1.4 | 29 |
| 64 | Stroke-related differences in axial body segment coordination during preplanned and reactive changes in walking direction. <i>Experimental Brain Research</i> , 2010, 202, 591-604. | 0.7 | 27 |
| 65 | Contrasting effects of finger and shoulder interpersonal light touch on standing balance. <i>Journal of Neurophysiology</i> , 2012, 107, 216-225. | 0.9 | 27 |
| 66 | Humans adjust their grip force when passing an object according to the observed speed of the partner's reaching out movement. <i>Experimental Brain Research</i> , 2018, 236, 3363-3377. | 0.7 | 23 |
| 67 | Seated Bilateral Leg Exercise Effects on Hemiparetic Lower Extremity Function in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 243-253. | 1.4 | 22 |
| 68 | Handmade Task Tracking Applied to Cognitive Rehabilitation. <i>Sensors</i> , 2012, 12, 14214-14231. | 2.1 | 21 |
| 69 | Evaluation of weight perception during unimanual and bimanual manipulation of virtual objects. , 2009, , . | | 17 |
| 70 | Preliminary Evaluation of a Personal Healthcare System Prototype for Cognitive eRehabilitation in a Living Assistance Domain. <i>Sensors</i> , 2014, 14, 10213-10233. | 2.1 | 15 |
| 71 | The Contribution of Proprioceptive and Cutaneous Cues in Weight Perception: Early Evidence for Maximum-Likelihood Integration. <i>Lecture Notes in Computer Science</i> , 2010, , 11-16. | 1.0 | 15 |
| 72 | Bodies Meet Minds: Choreography and Cognition. <i>Leonardo</i> , 2006, 39, 475-478. | 0.2 | 14 |

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|----|---|-----|-----------|
| 73 | A Gait Rehabilitation pilot study using tactile cueing following Hemiparetic Stroke. , 2014, , . | | 14 |
| 74 | Functional strength training versus movement performance therapy for upper limb motor recovery early after stroke: a RCT. Efficacy and Mechanism Evaluation, 2018, 5, 1-112. | 0.9 | 12 |
| 75 | Unimanual and Bimanual Weight Discrimination in a Desktop Setup. Lecture Notes in Computer Science, 2008, , 378-382. | 1.0 | 10 |
| 76 | Creating Affording Situations: Coaching through Animate Objects. Sensors, 2017, 17, 2308. | 2.1 | 7 |
| 77 | 2-DOF fMRI-Compatible Haptic Interface for Bimanual Motor Tasks with Grip/Load Force Measurement. Springer Tracts in Advanced Robotics, 2008, , 109-129. | 0.3 | 6 |
| 78 | FAST INdiCATE Trial Protocol. Clinical Efficacy of Functional Strength Training for Upper Limb Motor Recovery Early after Stroke: Neural Correlates and Prognostic Indicators. International Journal of Stroke, 2014, 9, 240-245. | 2.9 | 5 |
| 79 | A Pilot Study Using Tactile Cueing for Gait Rehabilitation Following Stroke. Communications in Computer and Information Science, 2015, , 222-233. | 0.4 | 4 |
| 80 | Topics in rhythm perception and production. Psychological Research, 2002, 66, 1-2. | 1.0 | 2 |
| 81 | PrendoSim: Proxy-Hand-Based Robot Grasp Generator. , 2021, , . | | 2 |
| 82 | Vision-Based Tracking of Human Body Motion. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 171-174. | 0.3 | 2 |
| 83 | Preface: Modeling the Control of Upper Limb Movement. Journal of Motor Behavior, 1993, 25, 130-130. | 0.5 | 1 |
| 84 | Action-perception dissociation; preserved reactive grip force despite tactile extinction due to cortical stroke. Neuropsychologia, 2007, 45, 2402-2406. | 0.7 | 1 |
| 85 | Coaching through smart objects. , 2017, , . | | 1 |
| 86 | Effect of Sensory Stimuli on Dynamic Loading Induced by People Bouncing. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 365-369. | 0.3 | 1 |
| 87 | The Effect of Bimanual Lifting on Grip Force and Weight Perception. Lecture Notes in Computer Science, 2010, , 131-135. | 1.0 | 1 |