C E Peper

List of Publications by Year
in descending order

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50 papers	1,886 citations	257450 24 h-index	254184 43 g-index
50 all docs	50 docs citations	50 times ranked	1431 citing authors

#	Article	IF	Citations
1	Multifrequency coordination in bimanual tapping: Asymmetrical coupling and signs of supercriticality.. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 1117-1138.	0.9	179
2	Frequency-induced phase transitions in bimanual tapping. Biological Cybernetics, 1995, 73, 301-309.	1.3	107
3	Motor consequences of experimentally induced limb pain: A systematic review. European Journal of Pain, 2013, 17, 145-157.	2.8	103
4	Modeling Rhythmic Interlimb Coordination: Beyond the Hakenâ€“Kelsoâ€“Bunz Model. Brain and Cognition, 2002, 48, 149-165.	1.8	95
5	Walking to the beat of different drums: Practical implications for the use of acoustic rhythms in gait rehabilitation. Gait and Posture, 2011, 33, 690-694.	1.4	91
6	Stabilization of bimanual coordination due to active interhemispheric inhibition: a dynamical account. Biological Cybernetics, 2005, 92, 101-109.	1.3	74
7	Unraveling Interlimb Interactions Underlying Bimanual Coordination. Journal of Neurophysiology, 2005, 94, 3112-3125.	1.8	73
8	Are frequency-induced transitions in rhythmic coordination mediated by a drop in amplitude?. Biological Cybernetics, 1998, 79, 291-300.	1.3	71
9	Unilateral versus bilateral upper limb exercise therapy after stroke: A systematic review. Journal of Rehabilitation Medicine, 2012, 44, 106-117.	1.1	66
10	Handedness-related asymmetry in coupling strength in bimanual coordination: Furthering theory and evidence. Acta Psychologica, 2007, 124, 209-237.	1.5	65
11	A Systematic Review of Bilateral Upper Limb Training Devices for Poststroke Rehabilitation. Stroke Research and Treatment, 2012, 2012, 1-17.	0.8	65
12	Coupling strength in tapping a 2:3 polyrhythm. Human Movement Science, 1995, 14, 217-245.	1.4	63
13	Effects of correct and transformed visual feedback on rhythmic visuo-motor tracking: Tracking performance and visual search behavior. Human Movement Science, 2005, 24, 379-402.	1.4	61
14	Distinguishing between the effects of frequency and amplitude on interlimb coupling in tapping a 2:3 polyrhythm. Experimental Brain Research, 1998, 118, 78-92.	1.5	56
15	Attentional demands of cued walking in healthy young and elderly adults. Gait and Posture, 2012, 36, 378-382.	1.4	50
16	Comparing the efficacy of metronome beeps and stepping stones to adjust gait: steps to follow!. Experimental Brain Research, 2011, 209, 159-169.	1.5	49
17	Relative phase dynamics in perturbed interlimb coordination: stability and stochasticity. Biological Cybernetics, 2000, 83, 443-459.	1.3	46
18	Motor Dysfunction of Complex Regional Pain Syndrome Is Related to Impaired Central Processing of Proprioceptive Information. Journal of Pain, 2013, 14, 1460-1474.	1.4	43

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19	Visual and musculoskeletal underpinnings of anchoring in rhythmic visuo-motor tracking. Experimental Brain Research, 2007, 184, 143-156.	1.5	41
20	Interlimb coupling strength scales with movement amplitude. Neuroscience Letters, 2008, 437, 10-14.	2.1	35
21	Relative phase dynamics in perturbed interlimb coordination: the effects of frequency and amplitude. Biological Cybernetics, 2000, 83, 529-542.	1.3	34
22	Modeling rhythmic interlimb coordination: The roles of movement amplitude and time delays. Human Movement Science, 1999, 18, 263-280.	1.4	33
23	Laterally focused attention modulates asymmetric coupling in rhythmic interlimb coordination. Psychological Research, 2008, 72, 123-137.	1.7	31
24	Comparing unilateral and bilateral upper limb training: The ULTRA-stroke program design. BMC Neurology, 2009, 9, 57.	1.8	26
25	Mirrored EMG activity during unimanual rhythmic movements. Neuroscience Letters, 2005, 381, 228-233.	2.1	24
26	Bilateral phase entrainment by movement-elicited afference contributes equally to the stability of in-phase and antiphase coordination. Neuroscience Letters, 2006, 399, 71-75.	2.1	23
27	Unilateral and Bilateral Upper-Limb Training Interventions After Stroke Have Similar Effects on Bimanual Coupling Strength. Neurorehabilitation and Neural Repair, 2015, 29, 255-267.	2.9	21
28	Explanatory limitations of the HKB model: Incentives for a two-tiered model of rhythmic interlimb coordination. Human Movement Science, 2004, 23, 673-697.	1.4	20
29	Development of Temporal and Spatial Bimanual Coordination During Childhood. Motor Control, 2012, 16, 537-559.	0.6	20
30	Bimanual coordination between isometric contractions and rhythmic movements: an asymmetric coupling. Experimental Brain Research, 1999, 129, 0417-0432.	1.5	19
31	Mass Perturbation of a Body Segment: 2. Effects on Interlimb Coordination. Journal of Motor Behavior, 2004, 36, 425-441.	0.9	16
32	Disentangling the effects of attentional and amplitude asymmetries on relative phase dynamics.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 762-777.	0.9	16
33	Informational and Neuromuscular Contributions to Anchoring in Rhythmic Wrist Cycling. Annals of Biomedical Engineering, 2013, 41, 1726-1739.	2.5	16
34	Error correction in bimanual coordination benefits from bilateral muscle activity: evidence from kinesthetic tracking. Experimental Brain Research, 2007, 181, 31-48.	1.5	15
35	Attentional loads associated with interlimb interactions underlying rhythmic bimanual coordination. Cognition, 2008, 109, 372-388.	2.2	15
36	Effector dynamics of rhythmic wrist activity and its implications for (modeling) bimanual coordination. Human Movement Science, 2004, 23, 285-313.	1.4	13

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37	Intended and unintended (sensoryâ€)motor coupling between the affected and unaffected upper limb in complex regional pain syndrome. European Journal of Pain, 2015, 19, 1021-1034.	2.8	13
38	Dynamic, Stochastic, and Topological Aspects of Polyrhythmic Performance. Journal of Motor Behavior, 2000, 32, 323-336.	0.9	11
39	Learning a New Bimanual Coordination Pattern: Interlimb Interactions, Attentional Focus, and Transfer. Journal of Motor Behavior, 2013, 45, 65-77.	0.9	11
40	Deficient muscle activation in patients with Complex Regional Pain Syndrome and abnormal hand postures: An electromyographic evaluation. Clinical Neurophysiology, 2013, 124, 2025-2035.	1.5	11
41	Does interpersonal movement synchronization differ from synchronization with a moving object?. Neuroscience Letters, 2015, 606, 177-181.	2.1	10
42	Frequency-induced changes in interlimb interactions: Increasing manifestations of closed-loop control. Behavioural Brain Research, 2011, 220, 202-214.	2.2	9
43	Anchoring in Rhythmic In-Phase and Antiphase Visuomotor Tracking. Motor Control, 2013, 17, 176-189.	0.6	9
44	Effects of Visual Information and Task Constraints on Intersegmental Coordination in Playground Swinging. Journal of Motor Behavior, 2003, 35, 64-78.	0.9	8
45	Pattern Stability and Error Correction During In-Phase and Antiphase Four-Ball Juggling. Journal of Motor Behavior, 2007, 39, 433-446.	0.9	8
46	Individual contributions to (re-)stabilizing interpersonal movement coordination. Neuroscience Letters, 2013, 557, 143-147.	2.1	8
47	Phase Entrainment Strength Scales With Movement Amplitude Disparity. Motor Control, 2013, 17, 399-411.	0.6	4
48	Evaluation of mirrored muscle activity in patients with Complex Regional Pain Syndrome. Clinical Neurophysiology, 2014, 125, 2100-2108.	1.5	4
49	A Re-Appraisal of the Effect of Amplitude on the Stability of Interlimb Coordination Based on Tightened Normalization Procedures. Brain Sciences, 2020, 10, 724.	2.3	4
50	Biases in rhythmic sensorimotor coordination: Effects of modality and intentionality. Behavioural Brain Research, 2013, 250, 334-342.	2.2	1