

# Mark L Latash

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

408  
papers

16,488  
citations

65  
h-index

109  
g-index

420  
ext. papers

17,954  
ext. citations

2.5  
avg, IF

7.19  
L-index

#	Paper	IF	Citations
408	Human Movement: In Search of Borderlands Between Philosophy and Physics. <i>Kinesiology Review</i> , <b>2022</b> , 1-12	2	
407	Unintentional force drifts across the human fingers: implications for the neural control of finger tasks.. <i>Experimental Brain Research</i> , <b>2022</b> , 240, 751	2.3	1
406	Recent Advances in the Neural Control of Movements: Lessons for Functional Recovery.. <i>Physical Therapy Research</i> , <b>2022</b> , 25, 1-11	1.3	0
405	Optimality, Stability, and Agility of Human Movement: New Optimality Criterion and Trade-Offs.. <i>Motor Control</i> , <b>2022</b> , 1-37	1.3	1
404	Effects of hand muscle function and dominance on intra-muscle synergies.. <i>Human Movement Science</i> , <b>2022</b> , 82, 102936	2.4	1
403	Understanding and Synergy: A Single Concept at Different Levels of Analysis?. <i>Frontiers in Systems Neuroscience</i> , <b>2021</b> , 15, 735406	3.5	2
402	Unintentional Force Drifts as Consequences of Indirect Force Control with Spatial Referent Coordinates. <i>Neuroscience</i> , <b>2021</b> ,	3.9	2
401	Reciprocal and coactivation commands at the level of individual motor units in an extrinsic finger flexor-extensor muscle pair. <i>Experimental Brain Research</i> , <b>2021</b> , 1	2.3	3
400	Biomechanics of Vertical Posture and Control with Referent Joint Configurations. <i>Journal of Motor Behavior</i> , <b>2021</b> , 53, 72-82	1.4	8
399	Finger Force Matching and Verbal Reports: Testing Predictions of the Iso-Perceptual Manifold Concept. <i>Journal of Motor Behavior</i> , <b>2021</b> , 53, 598-610	1.4	8
398	Distortions of the Efferent Copy during Force Perception: A Study of Force Drifts and Effects of Muscle Vibration. <i>Neuroscience</i> , <b>2021</b> , 457, 139-154	3.9	10
397	Bernstein's Philosophy of Time: An Unknown Manuscript by Nikolai Bernstein (1949). <i>Motor Control</i> , <b>2021</b> , 25, 315-336	1.3	1
396	Efference copy in kinesthetic perception: a copy of what is it?. <i>Journal of Neurophysiology</i> , <b>2021</b> , 125, 1079-1094	3.2	6
395	Postural Adjustments during Interactions with an Active Partner. <i>Neuroscience</i> , <b>2021</b> , 463, 14-29	3.9	2
394	Synergies at the level of motor units in single-finger and multi-finger tasks. <i>Experimental Brain Research</i> , <b>2021</b> , 239, 2905-2923	2.3	6
393	Laws of nature that define biological action and perception. <i>Physics of Life Reviews</i> , <b>2021</b> , 36, 47-67	2.1	22
392	Synergic control of a single muscle: The example of flexor digitorum superficialis. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1261-1279	3.9	17

391	Stability of Action and Kinesthetic Perception in Parkinson's Disease. <i>Journal of Human Kinetics</i> , <b>2021</b> , 76, 145-159	2.6	0
390	Production and Perception of Intentional and Unintentional Actions. <i>Journal of Human Kinetics</i> , <b>2021</b> , 76, 51-66	2.6	1
389	Motor Control: A Young Field with Many Facets (Introduction to the Special Issue). <i>Journal of Human Kinetics</i> , <b>2021</b> , 76, 5-8	2.6	
388	One more time about motor (and non-motor) synergies. <i>Experimental Brain Research</i> , <b>2021</b> , 239, 2951-2967	2.6	5
387	Motor Control: Creating a Natural Science of Biological Movement. <i>Kinesiology Review</i> , <b>2021</b> , 10, 257-263	2.6	1
386	Optimality and stability of human behavior: Reply to comments on "Laws of nature that define biological action and perception". <i>Physics of Life Reviews</i> , <b>2021</b> , 38, 145-149	2.1	
385	The Nature of Finger Enslaving: New Results and Their Implications. <i>Motor Control</i> , <b>2021</b> , 25, 680-703	1.3	3
384	Perturbation-induced fast drifts in finger enslaving. <i>Experimental Brain Research</i> , <b>2021</b> , 239, 891-902	2.3	4
383	What do people match when they try to match force? Analysis at the level of hypothetical control variables. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 1885-1901	2.3	8
382	Perceptual and Motor Effects of Muscle Co-activation in a Force Production Task. <i>Neuroscience</i> , <b>2020</b> , 437, 34-44	3.9	15
381	Performance-Stabilizing Synergies in a Complex Motor Skill: Analysis Based on the Uncontrolled Manifold Hypothesis. <i>Motor Control</i> , <b>2020</b> , 24, 238-252	1.3	4
380	On Primitives in Motor Control. <i>Motor Control</i> , <b>2020</b> , 24, 318-346	1.3	16
379	Synergic control of action in levodopa-naïve Parkinson's disease patients: I. Multi-finger interaction and coordination. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 229-245	2.3	4
378	On the origin of finger enslaving: control with referent coordinates and effects of visual feedback. <i>Journal of Neurophysiology</i> , <b>2020</b> , 124, 1625-1636	3.2	10
377	Synergic control of action in levodopa-naïve Parkinson's disease patients: II. Multi-muscle synergies stabilizing vertical posture. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 2931-2945	2.3	4
376	Finger interdependence and unintentional force drifts: Lessons from manipulations of visual feedback. <i>Human Movement Science</i> , <b>2020</b> , 74, 102714	2.4	8
375	Beyond rambling and trembling: effects of visual feedback on slow postural drift. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 865-871	2.3	8
374	Exploring the Concept of Iso-perceptual Manifold (IPM): A Study of Finger Force-Matching Tasks. <i>Neuroscience</i> , <b>2019</b> , 401, 130-141	3.9	12

373	Preparation to a quick whole-body action: control with referent body orientation and multi-muscle synergies. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 1361-1374	2.3	2
372	Slobodan Jaric (1951-2018). <i>Motor Control</i> , <b>2019</b> , 23, 145-148	1.3	
371	Case Studies in Neuroscience: The central and somatosensory contributions to finger interdependence and coordination: lessons from a study of a "deafferented person". <i>Journal of Neurophysiology</i> , <b>2019</b> , 121, 2083-2087	3.2	11
370	Sloppy, But Acceptable, Control of Biological Movement: Algorithm-Based Stabilization of Subspaces in Abundant Spaces. <i>Journal of Human Kinetics</i> , <b>2019</b> , 67, 49-72	2.6	6
369	Human Movements: Synergies, Stability, and Agility. <i>Springer Tracts in Advanced Robotics</i> , <b>2019</b> , 135-154	0.5	4
368	Quantitative analysis of multi-element synergy stabilizing performance: comparison of three methods with respect to their use in clinical studies. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 453-465	2.3	9
367	Effects of Voluntary Agonist-Antagonist Coactivation on Stability of Vertical Posture. <i>Motor Control</i> , <b>2019</b> , 23, 304-326	1.3	16
366	Individual preferences in motor coordination seen across the two hands: relations to movement stability and optimality. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 1-13	2.3	11
365	Abundant Degrees of Freedom Are Not a Problem. <i>Kinesiology Review</i> , <b>2018</b> , 7, 64-72	2	4
364	Performance drifts in two-finger cyclical force production tasks performed by one and two actors. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 779-794	2.3	0
363	Stability of Kinesthetic Perception in Efferent-Afferent Spaces: The Concept of Iso-perceptual Manifold. <i>Neuroscience</i> , <b>2018</b> , 372, 97-113	3.9	14
362	Stability of steady hand force production explored across spaces and methods of analysis. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 1545-1562	2.3	14
361	Stability of vertical posture explored with unexpected mechanical perturbations: synergy indices and motor equivalence. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 1501-1517	2.3	9
360	Systemic effects of deep brain stimulation on synergic control in Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1320-1332	4.3	13
359	Multi-finger synergies and the muscular apparatus of the hand. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 1383-1393	2.3	12
358	Systematic, Unintended Drifts in the Cyclic Force Produced with the Fingertips. <i>Motor Control</i> , <b>2018</b> , 22, 82-99	1.3	7
357	Force illusions and drifts observed during muscle vibration. <i>Journal of Neurophysiology</i> , <b>2018</b> , 119, 326-336	3.6	19
356	Synergies and Motor Equivalence in Voluntary Sway Tasks: The Effects of Visual and Mechanical Constraints. <i>Journal of Motor Behavior</i> , <b>2018</b> , 50, 492-509	1.4	7

355	Muscle coactivation: definitions, mechanisms, and functions. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 88-104	63
354	Stability of hand force production. II. Ascending and descending synergies. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 1045-1060	3.2 19
353	Dopaminergic modulation of multi-muscle synergies in postural tasks performed by patients with Parkinson's disease. <i>Journal of Electromyography and Kinesiology</i> , <b>2017</b> , 33, 20-26	2.5 25
352	Effects of visual feedback and memory on unintentional drifts in performance during finger-pressing tasks. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 1149-1162	2.3 19
351	Unintentional drifts during quiet stance and voluntary body sway. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 2301-2316	2.3 12
350	Motor equivalence and structure of variance: multi-muscle postural synergies in Parkinson's disease. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 2243-2258	2.3 23
349	Unintentional force changes in cyclical tasks performed by an abundant system: Empirical observations and a dynamical model. <i>Neuroscience</i> , <b>2017</b> , 350, 94-109	3.9 2
348	Stability of hand force production. I. Hand level control variables and multifinger synergies. <i>Journal of Neurophysiology</i> , <b>2017</b> , 118, 3152-3164	3.2 39
347	Anticipatory postural adjustments and anticipatory synergy adjustments: preparing to a postural perturbation with predictable and unpredictable direction. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 713-730	3.3 36
346	Optimality and stability of intentional and unintentional actions: II. Motor equivalence and structure of variance. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 457-470	2.3 8
345	Optimality and stability of intentional and unintentional actions: I. Origins of drifts in performance. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 481-496	2.3 20
344	The synergic control of multi-finger force production: stability of explicit and implicit task components. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 1-14	2.3 17
343	Changes in Multidigit Synergies and Their Feed-Forward Adjustments in Multiple Sclerosis. <i>Journal of Motor Behavior</i> , <b>2017</b> , 49, 218-228	1.4 17
342	Biological Movement and Laws of Physics. <i>Motor Control</i> , <b>2017</b> , 21, 327-344	1.3 33
341	Unsteady steady-states: central causes of unintentional force drift. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 3597-3611	2.3 38
340	The nature of constant and cyclic force production: unintentional force-drift characteristics. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 197-208	2.3 17
339	Analytical Inverse Optimization in Two-Hand Prehensile Tasks. <i>Journal of Motor Behavior</i> , <b>2016</b> , 48, 424-444	3.4 1
338	Finger force changes in the absence of visual feedback in patients with Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2016</b> , 127, 684-692	4.3 22

337	Impaired synergic control of posture in Parkinson's patients without postural instability. <i>Gait and Posture</i> , <b>2016</b> , 44, 209-15	2.6	43
336	Effects of unilateral stroke on multi-finger synergies and their feed-forward adjustments. <i>Neuroscience</i> , <b>2016</b> , 319, 194-205	3.9	32
335	Unintentional movements induced by sequential transient perturbations in a multi-joint positional task. <i>Human Movement Science</i> , <b>2016</b> , 46, 1-9	2.4	2
334	Postural Preparation to Stepping: Coupled Center of Pressure Shifts in the Anterior-Posterior and Medio-Lateral Directions. <i>Journal of Human Kinetics</i> , <b>2016</b> , 54, 5-14	2.6	7
333	Equilibrium-Point Hypothesis <b>2016</b> , 247-273		
332	Joint Torque <b>2016</b> , 3-24		1
331	Redundancy and Abundance <b>2016</b> , 177-204		
330	Grasping <b>2016</b> , 335-363		
329	Motor Synergy <b>2016</b> , 205-245		
328	Posture <b>2016</b> , 305-333		0
327	Motor Program <b>2016</b> , 275-301		
326	Synergy as a new and sensitive marker of basal ganglia dysfunction: A study of asymptomatic welders. <i>NeuroToxicology</i> , <b>2016</b> , 56, 76-85	4.4	30
325	Biomechanics as a window into the neural control of movement. <i>Journal of Human Kinetics</i> , <b>2016</b> , 52, 7-20	2.6	9
324	On the nature of unintentional action: a study of force/moment drifts during multifinger tasks. <i>Journal of Neurophysiology</i> , <b>2016</b> , 116, 698-708	3.2	33
323	Fifty Years of Physics of Living Systems. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 957, 81-103.6		2
322	A physicist's view on biological synergies: Comment on "Hand synergies: Integration of robotics and neuroscience for understanding the control of biological and artificial hands" by Marco Santello et al. <i>Physics of Life Reviews</i> , <b>2016</b> , 17, 40-3	2.1	1
321	Interpersonal synergies: static prehension tasks performed by two actors. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 2267-82	2.3	13
320	Towards physics of neural processes and behavior. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2016</b> , 69, 136-46	9	47

319	Characteristics of unintentional movements by a multijoint effector. <i>Journal of Motor Behavior</i> , <b>2015</b> , 47, 352-61	1.4	7
318	Motor equivalence during multi-finger accurate force production. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 487-502	2.3	27
317	Processes underlying unintentional finger-force changes in the absence of visual feedback. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 711-21	2.3	51
316	Challenging gait leads to stronger lower-limb kinematic synergies: The effects of walking within a more narrow pathway. <i>Neuroscience Letters</i> , <b>2015</b> , 600, 110-4	3.3	22
315	Force-stabilizing synergies in motor tasks involving two actors. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 2935-49	2.3	13
314	Task-specific stability of multifinger steady-state action. <i>Journal of Motor Behavior</i> , <b>2015</b> , 47, 365-77	1.4	11
313	Positional errors introduced by transient perturbations applied to a multi-joint limb. <i>Neuroscience Letters</i> , <b>2015</b> , 595, 104-7	3.3	3
312	Unintentional changes in the apparent stiffness of the multi-joint limb. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 2989-3004	2.3	6
311	Learning to combine high variability with high precision: lack of transfer to a different task. <i>Journal of Motor Behavior</i> , <b>2015</b> , 47, 153-65	1.4	9
310	Intra-Personal and Inter-Personal Kinetic Synergies During Jumping. <i>Journal of Human Kinetics</i> , <b>2015</b> , 49, 75-88	2.6	5
309	The Hand: Shall We Ever Understand How it Works?. <i>Motor Control</i> , <b>2015</b> , 19, 108-26	1.3	3
308	Neural control of movement stability: Lessons from studies of neurological patients. <i>Neuroscience</i> , <b>2015</b> , 301, 39-48	3.9	81
307	Prehension synergies and hand function in early-stage Parkinson's disease. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 425-40	2.3	35
306	Intentional and unintentional multi-joint movements: their nature and structure of variance. <i>Neuroscience</i> , <b>2015</b> , 289, 181-93	3.9	21
305	Bernstein's Desired Future and Physics of Human Movement. <i>Cognitive Systems Monographs</i> , <b>2015</b> , 287-299	0.2	4
304	Finger enslaving in the dominant and non-dominant hand. <i>Human Movement Science</i> , <b>2014</b> , 33, 185-93	2.4	11
303	Mechanical properties of the human hand digits: age-related differences. <i>Clinical Biomechanics</i> , <b>2014</b> , 29, 129-37	2.2	9
302	Enslaving in a serial chain: interactions between grip force and hand force in isometric tasks. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 775-87	2.3	13

301	An apparent contradiction: increasing variability to achieve greater precision?. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 403-13	2.3	43
300	Factors affecting grip force: anatomy, mechanics, and referent configurations. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 1219-31	2.3	36
299	Dopaminergic modulation of motor coordinaton in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2014</b> , 20, 64-8	3.6	32
298	Task-specific stability in muscle activation space during unintentional movements. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 3645-58	2.3	6
297	Postural sway and perceived comfort in pointing tasks. <i>Neuroscience Letters</i> , <b>2014</b> , 569, 18-22	3.3	3
296	Stability of multifinger action in different state spaces. <i>Journal of Neurophysiology</i> , <b>2014</b> , 112, 3209-18	3.2	30
295	Prehension synergies during fatigue of a single digit: adaptations in control with referent configurations. <i>Motor Control</i> , <b>2014</b> , 18, 278-96	1.3	6
294	Equifinality and its violations in a redundant system: control with referent configurations in a multi-joint positional task. <i>Motor Control</i> , <b>2014</b> , 18, 405-24	1.3	22
293	Inter-limb force coupling is resistant to distorted visual feedback in chronic hemiparetic stroke. <i>Journal of Rehabilitation Medicine</i> , <b>2014</b> , 46, 206-11	3.4	6
292	Internal forces during static prehension: effects of age and grasp configuration. <i>Journal of Motor Behavior</i> , <b>2014</b> , 46, 211-22	1.4	6
291	Unintentional movements produced by back-coupling between the actual and referent body configurations: violations of equifinality in multi-joint positional tasks. <i>Experimental Brain Research</i> , <b>2014</b> , 232, 3847-59	2.3	32
290	The effects of practice on coordination. <i>Exercise and Sport Sciences Reviews</i> , <b>2014</b> , 42, 37-42	6.7	33
289	Stabilization of cat paw trajectory during locomotion. <i>Journal of Neurophysiology</i> , <b>2014</b> , 112, 1376-91	3.2	16
288	Motor control: on the way to physics of living systems. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 826, 1-16	3.6	5
287	The effects of aging on the rambling and trembling components of postural sway: effects of motor and sensory challenges. <i>Gait and Posture</i> , <b>2013</b> , 38, 637-42	2.6	21
286	Effects of muscle vibration on multi-finger interaction and coordination. <i>Experimental Brain Research</i> , <b>2013</b> , 229, 103-11	2.3	13
285	Grip-force modulation in multi-finger prehension during wrist flexion and extension. <i>Experimental Brain Research</i> , <b>2013</b> , 227, 509-22	2.3	20
284	Bilateral synergies in foot force production tasks. <i>Experimental Brain Research</i> , <b>2013</b> , 227, 121-30	2.3	13



283	Improving finger coordination in young and elderly persons. <i>Experimental Brain Research</i> , <b>2013</b> , 226, 273-83	2.3	43
282	Adaptations to fatigue of a single digit violate the principle of superposition in a multi-finger static prehension task. <i>Experimental Brain Research</i> , <b>2013</b> , 225, 589-602	2.3	4
281	End-state comfort and joint configuration variance during reaching. <i>Experimental Brain Research</i> , <b>2013</b> , 225, 431-42	2.3	31
280	Anticipatory synergy adjustments: preparing a quick action in an unknown direction. <i>Experimental Brain Research</i> , <b>2013</b> , 226, 565-73	2.3	23
279	Effects of Parkinson's disease on optimization and structure of variance in multi-finger tasks. <i>Experimental Brain Research</i> , <b>2013</b> , 231, 51-63	2.3	22
278	Control of finger force vectors with changes in fingertip referent coordinates. <i>Journal of Motor Behavior</i> , <b>2013</b> , 45, 15-20	1.4	5
277	Fitts' Law in early postural adjustments. <i>Neuroscience</i> , <b>2013</b> , 231, 61-9	3.9	31
276	Effects of olivo-ponto-cerebellar atrophy (OPCA) on finger interaction and coordination. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 991-8	4.3	51
275	The effects of age on stabilization of the mediolateral trajectory of the swing foot. <i>Gait and Posture</i> , <b>2013</b> , 38, 923-8	2.6	43
274	Changes in the flexor digitorum profundus tendon geometry in the carpal tunnel due to force production and posture of metacarpophalangeal joint of the index finger: an MRI study. <i>Clinical Biomechanics</i> , <b>2013</b> , 28, 157-63	2.2	4
273	Contrasting effects of fatigue on multifinger coordination in young and older adults. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 456-67	3.7	10
272	Optimization and variability of motor behavior in multifinger tasks: what variables does the brain use?. <i>Journal of Motor Behavior</i> , <b>2013</b> , 45, 289-305	1.4	7
271	Motor equivalence (ME) during reaching: is ME observable at the muscle level?. <i>Motor Control</i> , <b>2013</b> , 17, 145-75	1.3	32
270	Is power grasping contact continuous or discrete?. <i>Journal of Applied Biomechanics</i> , <b>2013</b> , 29, 554-62	1.2	4
269	Comparison of interfinger connection matrix computation techniques. <i>Journal of Applied Biomechanics</i> , <b>2013</b> , 29, 525-34	1.2	4
268	Equifinality and its violations in a redundant system: multifinger accurate force production. <i>Journal of Neurophysiology</i> , <b>2013</b> , 110, 1965-73	3.2	41
267	Static prehension of a horizontally oriented object in three dimensions. <i>Experimental Brain Research</i> , <b>2012</b> , 216, 249-61	2.3	7
266	Optimality versus variability: effect of fatigue in multi-finger redundant tasks. <i>Experimental Brain Research</i> , <b>2012</b> , 216, 591-607	2.3	24

265	The bliss (not the problem) of motor abundance (not redundancy). <i>Experimental Brain Research</i> , <b>2012</b> , 217, 1-5	2.3	341
264	Tangential finger forces use mechanical advantage during static grasping. <i>Journal of Applied Biomechanics</i> , <b>2012</b> , 28, 78-84	1.2	9
263	Reconstruction of the unknown optimization cost functions from experimental recordings during static multi-finger prehension. <i>Motor Control</i> , <b>2012</b> , 16, 195-228	1.3	10
262	Reproducibility and variability of the cost functions reconstructed from experimental recordings in multifinger prehension. <i>Journal of Motor Behavior</i> , <b>2012</b> , 44, 69-85	1.4	8
261	Practicing elements versus practicing coordination: changes in the structure of variance. <i>Journal of Motor Behavior</i> , <b>2012</b> , 44, 471-8	1.4	39
260	Stability control of grasping objects with different locations of center of mass and rotational inertia. <i>Journal of Motor Behavior</i> , <b>2012</b> , 44, 169-78	1.4	10
259	Movements that are both variable and optimal. <i>Journal of Human Kinetics</i> , <b>2012</b> , 34, 5-13	2.6	21
258	Early postural adjustments in preparation to whole-body voluntary sway. <i>Journal of Electromyography and Kinesiology</i> , <b>2012</b> , 22, 110-6	2.5	26
257	Radial force distribution changes associated with tangential force production in cylindrical grasping, and the importance of anatomical registration. <i>Journal of Biomechanics</i> , <b>2012</b> , 45, 218-24	2.9	11
256	Effects of the index finger position and force production on the flexor digitorum superficialis moment arms at the metacarpophalangeal joints - a magnetic resonance imaging study. <i>Clinical Biomechanics</i> , <b>2012</b> , 27, 453-9	2.2	5
255	Early and late components of feed-forward postural adjustments to predictable perturbations. <i>Clinical Neurophysiology</i> , <b>2012</b> , 123, 1016-26	4.3	38
254	Effects of fatigue on synergies in a hierarchical system. <i>Human Movement Science</i> , <b>2012</b> , 31, 1379-98	2.4	12
253	Control with muscle activations <b>2012</b> , 93-111		2
252	Exemplary behaviors <b>2012</b> , 211-259		3
251	Effects of practice and adaptation <b>2012</b> , 261-283		2
250	Forces and moments generated by the human arm: variability and control. <i>Experimental Brain Research</i> , <b>2012</b> , 223, 159-75	2.3	14
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