

# Elliot Saltzman

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

4,227  
citations

185998

28  
h-index

214527

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2547  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Task dynamics define the contextual emergence of human corralling behaviors. PLoS ONE, 2021, 16, e0260046.   | 1.1 | 10        |
| 2  | Human social motor solutions for human-machine interaction in dynamical task contexts. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1437-1446.                        | 3.3 | 38        |
| 3  | Practical Applications of Multiagent Shepherding for Human-Machine Interaction. Lecture Notes in Computer Science, 2019, , 168-179.  | 1.0 | 4         |
| 4  | 8. Speech inversion using naturally spoken data. , 2018, , 243-276.  |     | 0         |
| 5  | Hybrid convolutional neural networks for articulatory and acoustic information based speech recognition. Speech Communication, 2017, 89, 103-112.  | 1.6 | 67        |
| 6  | Herd Those Sheep: Emergent Multiagent Coordination and Behavioral-Mode Switching. Psychological Science, 2017, 28, 630-650.  | 1.8 | 52        |
| 7  | Is failed predictive control a risk factor for focal dystonia?. Movement Disorders, 2016, 31, 1772-1776.   | 2.2 | 1         |
| 8  | Modeling Embedded Interpersonal and Multiagent Coordination. , 2016, , .   |     | 9         |
| 9  | Veering in hemi-Parkinson's disease: Primacy of visual over motor contributions. Vision Research, 2015, 115, 119-127.  | 0.7 | 8         |
| 10 | A Graph-Dynamic Perspective on Coordinative Structures, the Role of Affordance-Effectivity Relations in Action Selection, and the Self-Organization of Complex Activities. Ecological Psychology, 2015, 27, 300-309. | 0.7 | 17        |
| 11 | Musculoskeletal stiffness changes linearly in response to increasing load during walking gait. Journal of Biomechanics, 2015, 48, 1165-1171.   | 0.9 | 15        |
| 12 | Self-organized complementary joint action: Behavioral dynamics of an interpersonal collision-avoidance task.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 665-679.               | 0.7 | 58        |
| 13 | Movement Forms: A Graph-Dynamic Perspective. Ecological Psychology, 2014, 26, 60-68.   | 0.7 | 7         |
| 14 | Forefoot angle at initial contact determines the amplitude of forefoot and rearfoot eversion during running. Clinical Biomechanics, 2014, 29, 936-942.   | 0.5 | 11        |
| 15 | Orthoses posted in both the forefoot and rearfoot reduce moments and angular impulses on lower extremity joints during walking. Journal of Biomechanics, 2014, 47, 2618-2625.  | 0.9 | 30        |
| 16 | Improved motor sequence retention by motionless listening. Psychological Research, 2013, 77, 310-319.  | 1.0 | 12        |
| 17 | Forefoot angle determines duration and amplitude of pronation during walking. Gait and Posture, 2013, 38, 8-13.  | 0.6 | 27        |
| 18 | A Tutorial on Multifractality, Cascades, and Interactivity for Empirical Time Series in Ecological Science. Ecological Psychology, 2013, 25, 1-62.   | 0.7 | 113       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Center of mass trajectory and orientation to ankle and knee in sagittal plane is maintained with forward lean when backpack load changes during treadmill walking. <i>Journal of Biomechanics</i> , 2013, 46, 70-76.                  | 0.9 | 21        |
| 20 | A procedure for estimating gestural scores from speech acoustics. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 3980-3989.   | 0.5 | 24        |
| 21 | Recognizing articulatory gestures from speech for robust speech recognition. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 2270-2287.  | 0.5 | 19        |
| 22 | Bio-Inspired Design of Soft Robotic Assistive Devices: The Interface of Physics, Biology, and Behavior. <i>Ecological Psychology</i> , 2012, 24, 300-327.   | 0.7 | 35        |
| 23 | Bridging planning and execution: Temporal planning of syllables. <i>Journal of Phonetics</i> , 2012, 40, 374-389.   | 0.6 | 33        |
| 24 | Articulatory Information for Noise Robust Speech Recognition. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 1913-1924.   | 3.8 | 52        |
| 25 | Retrieving Tract Variables From Acoustics: A Comparison of Different Machine Learning Strategies. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2010, 4, 1027-1045.   | 7.3 | 44        |
| 26 | Visuospatial perception and navigation in Parkinson's disease. <i>Vision Research</i> , 2010, 50, 2495-2504.  | 0.7 | 31        |
| 27 | A Dynamic Systems: constraints approach to rehabilitation. <i>Brazilian Journal of Physical Therapy</i> , 2010, 14, 446-463.  | 1.1 | 31        |
| 28 | Seeing what you hear: Visual feedback improves pitch recognition. <i>European Journal of Cognitive Psychology</i> , 2010, 22, 1078-1091.  | 1.3 | 11        |
| 29 | Self-organization of syllable structure: a coupled oscillator model. , 2009, , 297-328.   |     | 91        |
| 30 | Effects of Optic Flow Speed and Lateral Flow Asymmetry on Locomotion in Younger and Older Adults: A Virtual Reality Study. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2009, 64B, 222-231. | 2.4 | 43        |
| 31 | Scaling of Dynamics in the Earliest Stages of Walking. <i>Physical Therapy</i> , 2007, 87, 1458-1467.   | 1.1 | 16        |
| 32 | A Camera-Based Music-Making Tool for Physical Rehabilitation. <i>Computer Music Journal</i> , 2007, 31, 39-53.  | 0.3 | 17        |
| 33 | Action Representation of Sound: Audiomotor Recognition Network While Listening to Newly Acquired Actions. <i>Journal of Neuroscience</i> , 2007, 27, 308-314.   | 1.7 | 516       |
| 34 | Dynamic action units slip in speech production errors. <i>Cognition</i> , 2007, 103, 386-412.   | 1.1 | 179       |
| 35 | Discovery of the Pendulum and Spring Dynamics in the Early Stages of Walking. <i>Journal of Motor Behavior</i> , 2006, 38, 206-218.   | 0.5 | 29        |
| 36 | The role of vocal tract gestural action units in understanding the evolution of phonology. , 2006, , 215-249.   |     | 134       |

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|----|--|-----|-----------|
| 37 | Functional Electrical Stimulation Changes Dynamic Resources in Children With Spastic Cerebral Palsy. <i>Physical Therapy</i> , 2006, 86, 987-1000.   | 1.1 | 38        |
| 38 | Changes in axial stiffness of the trunk as a function of walking speed. <i>Journal of Biomechanics</i> , 2006, 39, 750-757.  | 0.9 | 50        |
| 39 | The Distinctions Between State, Parameter and Graph Dynamics in Sensorimotor Control and Coordination. , 2006, , 63-73.  |     | 16        |
| 40 | The Power of Listening: Auditory-Motor Interactions in Musical Training. <i>Annals of the New York Academy of Sciences</i> , 2005, 1060, 189-194.  | 1.8 | 35        |
| 41 | Dynamic Resources Used in Ambulation by Children With Spastic Hemiplegic Cerebral Palsy: Relationship to Kinematics, Energetics, and Asymmetries. <i>Physical Therapy</i> , 2004, 84, 344-354. | 1.1 | 63        |
| 42 | The elastic phrase: modeling the dynamics of boundary-adjacent lengthening. <i>Journal of Phonetics</i> , 2003, 31, 149-180.   | 0.6 | 226       |
| 43 | A dynamical model of locomotion in spastic hemiplegic cerebral palsy: influence of walking speed. <i>Clinical Biomechanics</i> , 2001, 16, 793-805.  | 0.5 | 49        |
| 44 | Task-dynamics of gestural timing: Phase windows and multifrequency rhythms. <i>Human Movement Science</i> , 2000, 19, 499-526.   | 0.6 | 94        |
| 45 | Intragesural dynamics of multiple prosodic boundaries. <i>Journal of Phonetics</i> , 1998, 26, 173-199.  | 0.6 | 153       |
| 46 | Accurate recovery of articulator positions from acoustics: New conclusions based on human data. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 1819-1834.                    | 0.5 | 61        |
| 47 | Coordination and Coarticulation in Speech Production. <i>Language and Speech</i> , 1993, 36, 171-195.  | 0.6 | 205       |
| 48 | Skilled actions: A task-dynamic approach.. <i>Psychological Review</i> , 1987, 94, 84-106.   | 2.7 | 613       |
| 49 | Levels of sensorimotor representation. <i>Journal of Mathematical Psychology</i> , 1979, 20, 91-163.   | 1.0 | 525       |
| 50 | The development of rulebound strategies for manipulating seriated cups: A parallel between action and grammar. <i>Cognitive Psychology</i> , 1972, 3, 291-310.                                 | 0.9 | 195       |
| 51 | Articulatory phonological code for word classification. , 0, , .   |     | 10        |
| 52 | Estimation of articulatory gesture patterns from speech acoustics. , 0, , .  |     | 3         |
| 53 | A procedure for estimating gestural scores from natural speech. , 0, , .   |     | 6         |
| 54 | Robust word recognition using articulatory trajectories and gestures. , 0, , .   |     | 8         |