

Paul F M J Verschure

List of Publications by Year in descending order

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Version: 2024-02-01

317
papers

7,320
citations

81900

39
h-index

88630

70
g-index

342
all docs

342
docs citations

342
times ranked

6613
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex. <i>Cerebellum</i> , 2017, 16, 203-229. | 2.5 | 321 |
| 2 | Neurorehabilitation using the virtual reality based Rehabilitation Gaming System: methodology, design, psychometrics, usability and validation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010, 7, 48. | 4.6 | 265 |
| 3 | The hippocampalâ€”striatal axis in learning, prediction and goal-directed behavior. <i>Trends in Neurosciences</i> , 2011, 34, 548-559. | 8.6 | 252 |
| 4 | Environmentally mediated synergy between perception and behaviour in mobile robots. <i>Nature</i> , 2003, 425, 620-624. | 27.8 | 237 |
| 5 | The Affective Slider: A Digital Self-Assessment Scale for the Measurement of Human Emotions. <i>PLoS ONE</i> , 2016, 11, e0148037. | 2.5 | 223 |
| 6 | Virtual reality based rehabilitation speeds up functional recovery of the upper extremities after stroke: A randomized controlled pilot study in the acute phase of stroke using the Rehabilitation Gaming System. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 287-298. | 0.7 | 201 |
| 7 | Principles of Neurorehabilitation After Stroke Based on Motor Learning and Brain Plasticity Mechanisms. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 74. | 2.5 | 197 |
| 8 | The state of the art in biomimetics. <i>Bioinspiration and Biomimetics</i> , 2013, 8, 013001. | 2.9 | 187 |
| 9 | A MODEL OF GRID CELLS BASED ON A TWISTED TORUS TOPOLOGY. <i>International Journal of Neural Systems</i> , 2007, 17, 231-240. | 5.2 | 164 |
| 10 | The Combined Impact of Virtual Reality Neurorehabilitation and Its Interfaces on Upper Extremity Functional Recovery in Patients With Chronic Stroke. <i>Stroke</i> , 2012, 43, 2720-2728. | 2.0 | 149 |
| 11 | Distributed adaptive control: The self-organization of structured behavior. <i>Robotics and Autonomous Systems</i> , 1992, 9, 181-196. | 5.1 | 145 |
| 12 | Effect of Specific Over Nonspecific VR-Based Rehabilitation on Poststroke Motor Recovery: A Systematic Meta-analysis. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 112-129. | 2.9 | 133 |
| 13 | A Model of the Ventral Visual System Based on Temporal Stability and Local Memory. <i>PLoS Biology</i> , 2006, 4, e120. | 5.6 | 110 |
| 14 | An artificial moth: Chemical source localization using a robot based neuronal model of moth optomotor anemotactic search. <i>Autonomous Robots</i> , 2006, 20, 197-213. | 4.8 | 110 |
| 15 | The why, what, where, when and how of goal-directed choice: neuronal and computational principles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130483. | 4.0 | 105 |
| 16 | Collision avoidance using a model of the locust LGMD neuron. <i>Robotics and Autonomous Systems</i> , 2000, 30, 17-38. | 5.1 | 100 |
| 17 | Interactive visuo-motor therapy system for stroke rehabilitation. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 901-907. | 2.8 | 100 |
| 18 | A critical time window for recovery extends beyond one-year post-stroke. <i>Journal of Neurophysiology</i> , 2019, 122, 350-357. | 1.8 | 100 |

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|----|---|------|-----------|
| 19 | Using a Hybrid Brain Computer Interface and Virtual Reality System to Monitor and Promote Cortical Reorganization through Motor Activity and Motor Imagery Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 174-181. | 4.9 | 90 |
| 20 | Distributed Adaptive Control: A theory of the Mind, Brain, Body Nexus. <i>Biologically Inspired Cognitive Architectures</i> , 2012, 1, 55-72. | 0.9 | 88 |
| 21 | A bottom up approach towards the acquisition and expression of sequential representations applied to a behaving real-world device: Distributed Adaptive Control III. <i>Neural Networks</i> , 1998, 11, 1531-1549. | 5.9 | 81 |
| 22 | Neural Variability in Premotor Cortex Is Modulated by Trial History and Predicts Behavioral Performance. <i>Neuron</i> , 2013, 78, 249-255. | 8.1 | 80 |
| 23 | A high-throughput behavioral paradigm for <i>Drosophila</i> olfaction - The Flywalk. <i>Scientific Reports</i> , 2012, 2, 361. | 3.3 | 78 |
| 24 | NEUROINFORMATICS: THE INTEGRATION OF SHARED DATABASES AND TOOLS TOWARDS INTEGRATIVE NEUROSCIENCE. <i>Journal of Integrative Neuroscience</i> , 2002, 01, 117-128. | 1.7 | 77 |
| 25 | Invariant representations of visual patterns in a temporal population code. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 324-329. | 7.1 | 75 |
| 26 | The Mechanism of Rate Remapping in the Dentate Gyrus. <i>Neuron</i> , 2010, 68, 1051-1058. | 8.1 | 72 |
| 27 | A note on chaotic behavior in simple neural networks. <i>Neural Networks</i> , 1990, 3, 119-122. | 5.9 | 71 |
| 28 | A real-world rational agent: unifying old and new AI. <i>Cognitive Science</i> , 2003, 27, 561-590. | 1.7 | 69 |
| 29 | Counteracting learned non-use in chronic stroke patients with reinforcement-induced movement therapy. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 74. | 4.6 | 69 |
| 30 | The cerebellum in action: a simulation and robotics study. <i>European Journal of Neuroscience</i> , 2002, 16, 1361-1376. | 2.6 | 61 |
| 31 | A functional magnetic resonance imaging study of visuomotor processing in a virtual reality-based paradigm: Rehabilitation Gaming System. <i>European Journal of Neuroscience</i> , 2013, 37, 1441-1447. | 2.6 | 61 |
| 32 | Neuroscience data and tool sharing. <i>Neuroinformatics</i> , 2003, 1, 149-165. | 2.8 | 54 |
| 33 | Coordinated representational reinstatement in the human hippocampus and lateral temporal cortex during episodic memory retrieval. <i>Nature Communications</i> , 2019, 10, 2255. | 12.8 | 52 |
| 34 | Nucleo-olivary inhibition balances the interaction between the reactive and adaptive layers in motor control. <i>Neural Networks</i> , 2013, 47, 64-71. | 5.9 | 50 |
| 35 | A Signature of Attractor Dynamics in the CA3 Region of the Hippocampus. <i>PLoS Computational Biology</i> , 2014, 10, e1003641. | 3.2 | 49 |
| 36 | Network dynamics with BrainX3: a large-scale simulation of the human brain network with real-time interaction. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 02. | 2.5 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | DAC-h3: A Proactive Robot Cognitive Architecture to Acquire and Express Knowledge About the World and the Self. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 1005-1022. | 3.8 | 48 |
| 38 | Live soundscape composition based on synthetic emotions. IEEE MultiMedia, 2003, 10, 82-90. | 1.7 | 47 |
| 39 | The visual amplification of goal-oriented movements counteracts acquired non-use in hemiparetic stroke patients. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 50. | 4.6 | 47 |
| 40 | Domiciliary VR-Based Therapy for Functional Recovery and Cortical Reorganization: Randomized Controlled Trial in Participants at the Chronic Stage Post Stroke. JMIR Serious Games, 2017, 5, e15. | 3.1 | 44 |
| 41 | A fly-locust based neuronal control system applied to an unmanned aerial vehicle: the invertebrate neuronal principles for course stabilization, altitude control and collision avoidance. International Journal of Robotics Research, 2007, 26, 759-772. | 8.5 | 42 |
| 42 | Beyond Rationalism: Symbols, Patterns and Behavior. Connection Science, 1992, 4, 313-325. | 3.0 | 41 |
| 43 | Motor Cost Influences Perceptual Decisions. PLoS ONE, 2015, 10, e0144841. | 2.5 | 38 |
| 44 | Multilevel analysis of classical conditioning in a behaving real world artifact. Robotics and Autonomous Systems, 1995, 16, 247-265. | 5.1 | 37 |
| 45 | Emotional and cognitive influences in air traffic controller tasks: An investigation using a virtual environment?. Applied Ergonomics, 2018, 69, 1-9. | 3.1 | 37 |
| 46 | A biomimetic approach to machine olfaction, featuring a very large-scale chemical sensor array and embedded neuro-bio-inspired computation. Microsystem Technologies, 2014, 20, 729-742. | 2.0 | 36 |
| 47 | Prioritized Research for the Prevention, Treatment, and Reversal of Chronic Disease: Recommendations From the Lifestyle Medicine Research Summit. Frontiers in Medicine, 2020, 7, 585744. | 2.6 | 36 |
| 48 | Real-Time Position Reconstruction with Hippocampal Place Cells. Frontiers in Neuroscience, 2011, 5, 85. | 2.8 | 35 |
| 49 | Cerebellar alterations in cannabis users: A systematic review. Addiction Biology, 2019, 24, 1121-1137. | 2.6 | 35 |
| 50 | Adaptive conjunctive cognitive training (ACCT) in virtual reality for chronic stroke patients: a randomized controlled pilot trial. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 42. | 4.6 | 35 |
| 51 | iqr: A Tool for the Construction of Multi-level Simulations of Brain and Behaviour. Neuroinformatics, 2010, 8, 113-134. | 2.8 | 34 |
| 52 | An Interactive Space That Learns to Influence Human Behavior. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 66-77. | 2.9 | 33 |
| 53 | The Rehabilitation Gaming System: a Virtual Reality Based System for the Evaluation and Rehabilitation of Motor Deficits. , 2007, , . | | 32 |
| 54 | An embodied biologically constrained model of foraging: from classical and operant conditioning to adaptive real-world behavior in DAC-X. Neural Networks, 2015, 72, 88-108. | 5.9 | 31 |

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|----|---|-----|-----------|
| 55 | IQR: a distributed system for real-time real-world neuronal simulation. <i>Neurocomputing</i> , 2002, 44-46, 1043-1048. | 5.9 | 30 |
| 56 | Spatio-temporal Ca ²⁺ dynamics of moth olfactory projection neurones. <i>European Journal of Neuroscience</i> , 2005, 22, 647-657. | 2.6 | 30 |
| 57 | A biologically based model for the integration of sensoryâ€“motor contingencies in rules and plans: A prefrontal cortex based extension of the Distributed Adaptive Control architecture. <i>Brain Research Bulletin</i> , 2011, 85, 289-304. | 3.0 | 30 |
| 58 | Synthetic consciousness: the distributed adaptive control perspective. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150448. | 4.0 | 30 |
| 59 | A Spatial-Context Effect in Recognition Memory. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 143. | 2.0 | 30 |
| 60 | Volitional learning promotes theta phase coding in the human hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 30 |
| 61 | USING A MOBILE ROBOT TO STUDY LOCUST COLLISION AVOIDANCE RESPONSES. <i>International Journal of Neural Systems</i> , 1999, 09, 405-410. | 5.2 | 29 |
| 62 | Including Social Interaction in Stroke VR-Based Motor Rehabilitation Enhances Performance: A Pilot Study. <i>Presence: Teleoperators and Virtual Environments</i> , 2012, 21, 490-501. | 0.6 | 29 |
| 63 | Inference of human affective states from psychophysiological measurements extracted under ecologically valid conditions. <i>Frontiers in Neuroscience</i> , 2014, 8, 286. | 2.8 | 28 |
| 64 | Understanding and Realizing Presence in the Presencia Project. <i>IEEE Computer Graphics and Applications</i> , 2007, 27, 90-93. | 1.2 | 27 |
| 65 | Non-Linear Neuronal Responses as an Emergent Property of Afferent Networks: A Case Study of the Locust Lobula Giant Movement Detector. <i>PLoS Computational Biology</i> , 2010, 6, e1000701. | 3.2 | 27 |
| 66 | PASAR: An integrated model of prediction, anticipation, sensation, attention and response for artificial sensorimotor systems. <i>Information Sciences</i> , 2012, 186, 1-19. | 6.9 | 27 |
| 67 | Measuring the Complexity of Consciousness. <i>Frontiers in Neuroscience</i> , 2018, 12, 424. | 2.8 | 27 |
| 68 | Telehealth for rehabilitation and recovery after stroke: State of the evidence and future directions. <i>International Journal of Stroke</i> , 2022, 17, 487-493. | 5.9 | 27 |
| 69 | The rehabilitation gaming system: a review. <i>Studies in Health Technology and Informatics</i> , 2009, 145, 65-83. | 0.3 | 27 |
| 70 | A computational model of thalamocortical dysrhythmia. <i>European Journal of Neuroscience</i> , 2011, 33, 1281-1290. | 2.6 | 26 |
| 71 | The Convergence of Machine and Biological Intelligence. <i>IEEE Intelligent Systems</i> , 2013, 28, 28-43. | 4.0 | 26 |
| 72 | The Impact of Cortical Lesions on Thalamo-Cortical Network Dynamics after Acute Ischaemic Stroke: A Combined Experimental and Theoretical Study. <i>PLoS Computational Biology</i> , 2016, 12, e1005048. | 3.2 | 26 |

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|----|---|-----|-----------|
| 73 | A tactile luminous floor for an interactive autonomous space. <i>Robotics and Autonomous Systems</i> , 2007, 55, 433-443. | 5.1 | 25 |
| 74 | ALLOSTATIC CONTROL FOR ROBOT BEHAVIOR REGULATION: A COMPARATIVE RODENT-ROBOT STUDY. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2010, 13, 377-403. | 1.4 | 24 |
| 75 | Robot Companions for Citizens. <i>Procedia Computer Science</i> , 2011, 7, 47-51. | 2.0 | 24 |
| 76 | The principles of goal-directed decision-making: from neural mechanisms to computation and robotics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130470. | 4.0 | 24 |
| 77 | Social Integration of Stroke Patients through the Multiplayer Rehabilitation Gaming System. <i>Lecture Notes in Computer Science</i> , 2014, , 100-114. | 1.3 | 24 |
| 78 | On the Role of Biophysical Properties of Cortical Neurons in Binding and Segmentation of Visual Scenes. <i>Neural Computation</i> , 1999, 11, 1113-1138. | 2.2 | 23 |
| 79 | Insect-Like mapless navigation based on head direction cells and contextual learning using chemo-visual sensors. , 2009, , . | | 23 |
| 80 | Relationship between intensity and recovery in post-stroke rehabilitation: a retrospective analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 226-228. | 1.9 | 23 |
| 81 | What Can Robots Tell Us About Brains? A Synthetic Approach Towards the Study of Learning and Problem Solving. <i>Reviews in the Neurosciences</i> , 1999, 10, 291-310. | 2.9 | 22 |
| 82 | PREDICTION OF THE POSITION OF AN ANIMAL BASED ON POPULATIONS OF GRID AND PLACE CELLS: A COMPARATIVE SIMULATION STUDY. <i>Journal of Integrative Neuroscience</i> , 2007, 06, 433-446. | 1.7 | 22 |
| 83 | Adaptive fields: distributed representations of classically conditioned associations. <i>Network: Computation in Neural Systems</i> , 1991, 2, 189-206. | 3.6 | 21 |
| 84 | Local and Global Gating of Synaptic Plasticity. <i>Neural Computation</i> , 2000, 12, 519-529. | 2.2 | 21 |
| 85 | Roboser: A Real-World Composition System. <i>Computer Music Journal</i> , 2005, 29, 55-74. | 0.1 | 21 |
| 86 | Augmented Dyadic Therapy Boosts Recovery of Language Function in Patients With Nonfluent Aphasia. <i>Stroke</i> , 2019, 50, 1270-1274. | 2.0 | 21 |
| 87 | Cooperative human robot interaction systems: IV. Communication of shared plans with Naïve humans using gaze and speech. , 2013, , . | | 20 |
| 88 | Discrepancies between Multi-Electrode LFP and CSD Phase-Patterns: A Forward Modeling Study. <i>Frontiers in Neural Circuits</i> , 2016, 10, 51. | 2.8 | 20 |
| 89 | Design for a Brain Revisited: The Neuromorphic Design and Functionality of the Interactive Space 'Ada'. <i>Reviews in the Neurosciences</i> , 2003, 14, 145-80. | 2.9 | 19 |
| 90 | Adaptive rehabilitation gaming system: On-line individualization of stroke rehabilitation. , 2011, 2011, 6749-52. | | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Understanding large network datasets through embodied interaction in virtual reality. , 2014, , . | | 19 |
| 92 | The eXperience Induction Machine: A New Paradigm for Mixed-Reality Interaction Design and Psychological Experimentation. Human-computer Interaction Series, 2010, , 357-379. | 0.6 | 19 |
| 93 | A model for the neuronal substrate of dead reckoning and memory in arthropods: a comparative computational and behavioral study. Theory in Biosciences, 2008, 127, 163-175. | 1.4 | 18 |
| 94 | Using a Multi-Task Adaptive VR System for Upper Limb Rehabilitation in the Acute Phase of Stroke. , 2008, , . | | 18 |
| 95 | A VLSI Field-Programmable Mixed-Signal Array to Perform Neural Signal Processing and Neural Modeling in a Prosthetic System. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 455-467. | 4.9 | 18 |
| 96 | tTBS-Induced LTP-Like Plasticity Parallels Oscillatory Activity Changes in the Primary Sensory and Motor Areas of Macaque Monkeys. PLoS ONE, 2014, 9, e112504. | 2.5 | 18 |
| 97 | Human Vicarious Trial and Error Is Predictive of Spatial Navigation Performance. Frontiers in Behavioral Neuroscience, 2018, 12, 237. | 2.0 | 18 |
| 98 | A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. PLoS Computational Biology, 2018, 14, e1006582. | 3.2 | 18 |
| 99 | Adaptive fields: distributed representations of classically conditioned associations. Network: Computation in Neural Systems, 1991, 2, 189-206. | 3.6 | 18 |
| 100 | Connectomics to Semantomics: Addressing the Brain's Big Data Challenge1. Procedia Computer Science, 2015, 53, 48-55. | 2.0 | 17 |
| 101 | The global dynamical complexity of the human brain network. Applied Network Science, 2016, 1, 16. | 1.5 | 17 |
| 102 | Visuotactile integration modulates motor performance in a perceptual decision-making task. Scientific Reports, 2017, 7, 3333. | 3.3 | 17 |
| 103 | Formal minds and biological brains: AI and Edelman's extended theory of neuronal group selection. IEEE Intelligent Systems, 1993, 8, 66-75. | 1.0 | 16 |
| 104 | A real-time model of the cerebellar circuitry underlying classical conditioning: A combined simulation and robotics study. Neurocomputing, 2001, 38-40, 1019-1024. | 5.9 | 16 |
| 105 | New Technologies and Concepts for Rehabilitation in the Acute Phase of Stroke: A Collaborative Matrix. Neurodegenerative Diseases, 2007, 4, 57-69. | 1.4 | 16 |
| 106 | Unifying perceptual and behavioral learning with a correlative subspace learning rule. Neurocomputing, 2010, 73, 1818-1830. | 5.9 | 16 |
| 107 | Expression of emotional states during locomotion based on canonical parameters. , 2011, , . | | 16 |
| 108 | The EASEL Project: Towards Educational Human-Robot Symbiotic Interaction. Lecture Notes in Computer Science, 2016, , 297-306. | 1.3 | 16 |

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|-----|--|-----|-----------|
| 109 | Self Beyond the Body: Action-Driven and Task-Relevant Purely Distal Cues Modulate Performance and Body Ownership. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 91. | 2.0 | 16 |
| 110 | Stimulus encoding during the early stages of olfactory processing: A modeling study using an artificial olfactory system. <i>Neurocomputing</i> , 2001, 38-40, 299-306. | 5.9 | 15 |
| 111 | Decoding a Temporal Population Code. <i>Neural Computation</i> , 2004, 16, 2079-2100. | 2.2 | 15 |
| 112 | A Biologically Based Chemo-Sensing UAV for Humanitarian Demining. <i>International Journal of Advanced Robotic Systems</i> , 2007, 4, 21. | 2.1 | 15 |
| 113 | Quantifying human subjective experience and social interaction using the eXperience Induction Machine. <i>Brain Research Bulletin</i> , 2011, 85, 305-312. | 3.0 | 15 |
| 114 | Neuroscience, virtual reality and neurorehabilitation: Brain repair as a validation of brain theory. , 2011, 2011, 2254-7. | | 15 |
| 115 | The social perceptual salience effect.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2013, 39, 62-74. | 0.9 | 15 |
| 116 | Modulating Behaviors Using Allostatic Control. <i>Lecture Notes in Computer Science</i> , 2013, , 287-298. | 1.3 | 15 |
| 117 | The perceptual shaping of anticipatory actions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171780. | 2.6 | 15 |
| 118 | An Investigation of Collective Human Behavior in Large-Scale Mixed Reality Spaces. <i>Presence: Teleoperators and Virtual Environments</i> , 2006, 15, 403-418. | 0.6 | 14 |
| 119 | Integrated information for large complex networks. , 2013, , . | | 14 |
| 120 | BrainX 3. , 2014, , . | | 14 |
| 121 | Curing the broken brain model of addiction: Neurorehabilitation from a systems perspective. <i>Addictive Behaviors</i> , 2021, 112, 106602. | 3.0 | 14 |
| 122 | Locustâ€™s Looming Detectors for Robot Sensors. , 2003, , 237-250. | | 14 |
| 123 | The Dynamic Connectome: A Tool For Large-Scale 3D Reconstruction Of Brain Activity In Real-Time. , 2013, , . | | 14 |
| 124 | Involving the motor system in decision making. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S50-2. | 2.6 | 13 |
| 125 | Allostatic control for robot behaviour regulation: An extension to path planning. , 2010, , . | | 13 |
| 126 | Advanced interfaces to stem the data deluge in mixed reality. , 2013, , . | | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | A location-based Augmented Reality system for the spatial interaction with historical datasets. , 2015, , . | | 13 |
| 128 | Towards the synthetic self: making others perceive me as an other. Paladyn, 2015, 6, . | 2.7 | 13 |
| 129 | Size Matters: How Scaling Affects the Interaction between Grid and Border Cells. Frontiers in Computational Neuroscience, 2017, 11, 65. | 2.1 | 13 |
| 130 | iCub-HRI: A Software Framework for Complex Human-Robot Interaction Scenarios on the iCub Humanoid Robot. Frontiers in Robotics and AI, 2018, 5, 22. | 3.2 | 13 |
| 131 | Learning sensory maps with real-world stimuli in real time using a biophysically realistic learning rule. IEEE Transactions on Neural Networks, 2002, 13, 619-632. | 4.2 | 12 |
| 132 | Two-State Membrane Potential Fluctuations Driven by Weak Pairwise Correlations. Neural Computation, 2004, 16, 2351-2378. | 2.2 | 12 |
| 133 | A Biologically Based Flight Control System for a Blimp-based UAV. , 0, , . | | 12 |
| 134 | A Model of Grid Cells Based on a Path Integration Mechanism. Lecture Notes in Computer Science, 2006, , 740-749. | 1.3 | 12 |
| 135 | The acquisition of intentionally indexed and object centered affordance gradients: A biomimetic controller and mobile robotics benchmark. , 2011, , . | | 12 |
| 136 | Embodied interaction with complex neuronal data in mixed-reality. , 2012, , . | | 12 |
| 137 | How? Why? What? Where? When? Who? Grounding Ontology in the Actions of a Situated Social Agent. Robotics, 2015, 4, 169-193. | 3.5 | 12 |
| 138 | High Integrated Information in Complex Networks Near Criticality. Lecture Notes in Computer Science, 2016, , 184-191. | 1.3 | 12 |
| 139 | The Effects of Explicit and Implicit Interaction on User Experiences in a Mixed Reality Installation: The Synthetic Oracle. Presence: Teleoperators and Virtual Environments, 2009, 18, 277-285. | 0.6 | 11 |
| 140 | XIM-engine. , 2014, , . | | 11 |
| 141 | Accelerating motor adaptation by virtual reality based modulation of error memories. , 2015, , . | | 11 |
| 142 | Differential neural mechanisms for early and late prediction error detection. Scientific Reports, 2016, 6, 24350. | 3.3 | 11 |
| 143 | Towards a Synthetic Tutor Assistant: The EASEL Project and its Architecture. Lecture Notes in Computer Science, 2016, , 353-364. | 1.3 | 11 |
| 144 | Conjunctive rehabilitation of multiple cognitive domains for chronic stroke patients in virtual reality. , 2017, 2017, 947-952. | | 11 |

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|-----|--|------|-----------|
| 145 | NEUROSCIENCE: Neurons in Action. <i>Science</i> , 2002, 296, 1817-1818. | 12.6 | 10 |
| 146 | Time and space are complementary encoding dimensions in the moth antennal lobe. <i>Network: Computation in Neural Systems</i> , 2007, 18, 35-62. | 3.6 | 10 |
| 147 | A sensing architecture for empathetic data systems. , 2013, , . | | 10 |
| 148 | A Cerebellar Neuroprosthetic System: Computational Architecture and in vivo Test. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 14. | 4.1 | 10 |
| 149 | Reinforcement-induced movement therapy: A novel approach for overcoming learned non-use in chronic stroke patients. , 2015, , . | | 10 |
| 150 | On Three Categories of Conscious Machines. <i>Lecture Notes in Computer Science</i> , 2016, , 389-392. | 1.3 | 10 |
| 151 | Excitatory-Inhibitory Homeostasis and Diaschisis: Tying the Local and Global Scales in the Post-stroke Cortex. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 806544. | 2.5 | 10 |
| 152 | Speed generalization capabilities of a cerebellar model on a rapid navigation task. , 2013, , . | | 9 |
| 153 | Subliminal Response Priming in Mixed Reality: The Ecological Validity of a Classic Paradigm of Perception. <i>Presence: Teleoperators and Virtual Environments</i> , 2014, 23, 1-17. | 0.6 | 9 |
| 154 | Computing Information Integration in Brain Networks. <i>Lecture Notes in Computer Science</i> , 2016, , 136-146. | 1.3 | 9 |
| 155 | Analyzing children's expectations from robotic companions in educational settings. , 2017, , . | | 9 |
| 156 | Motor Adaptation Impairment in Chronic Cannabis Users Assessed by a Visuomotor Rotation Task. <i>Journal of Clinical Medicine</i> , 2019, 8, 1049. | 2.4 | 9 |
| 157 | A comprehensive evaluation of emotional responsiveness in borderline personality disorder: a support for hypersensitivity hypothesis. <i>Borderline Personality Disorder and Emotion Dysregulation</i> , 2019, 6, 8. | 2.6 | 9 |
| 158 | Subjective ratings of emotive stimuli predict the impact of the COVID-19 quarantine on affective states. <i>PLoS ONE</i> , 2020, 15, e0237631. | 2.5 | 9 |
| 159 | How accurate need sensory coding be for behaviour? Experiments using a mobile robot. <i>Neurocomputing</i> , 2001, 38-40, 1113-1119. | 5.9 | 8 |
| 160 | Dynamical features of higher-order correlation events: impact on cortical cells. <i>Cognitive Neurodynamics</i> , 2007, 1, 53-69. | 4.0 | 8 |
| 161 | An insect-based method for learning landmark reliability using expectation reinforcement in dynamic environments. , 2010, , . | | 8 |
| 162 | CEEDS: Unleashing the Power of the Subconscious. <i>Procedia Computer Science</i> , 2011, 7, 214-215. | 2.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | At Home Motor Rehabilitation in the Chronic Phase of Stroke Using the Rehabilitation Gaming System. Biosystems and Biorobotics, 2013, , 931-935. | 0.3 | 8 |
| 164 | Fast mental states decoding in mixed reality. Frontiers in Behavioral Neuroscience, 2014, 8, 415. | 2.0 | 8 |
| 165 | Recovering the history of Bergen Belsen using an interactive 3D reconstruction in a mixed reality space the role of pre-knowledge on memory recollection. , 2015, , . | | 8 |
| 166 | Embodied artificial intelligence through distributed adaptive control: An integrated framework. , 2017, , . | | 8 |
| 167 | Optimization of the Anticipatory Reflexes of a Computational Model of the Cerebellum. Lecture Notes in Computer Science, 2014, , 11-22. | 1.3 | 8 |
| 168 | Visual anticipation biases conscious decision making but not bottom-up visual processing. Frontiers in Psychology, 2014, 5, 1443. | 2.1 | 8 |
| 169 | A real-world rational agent: unifying old and new AI. Cognitive Science, 2003, 27, 561-590. | 1.7 | 8 |
| 170 | Properties of a Temporal Population Cod. Reviews in the Neurosciences, 2003, 14, 21-33. | 2.9 | 7 |
| 171 | Social cooperation and competition in the mixed reality space eXperience Induction Machine XIM. Virtual Reality, 2009, 13, 153-158. | 6.1 | 7 |
| 172 | An integrated computational model of the two phase theory of classical conditioning. , 2010, , . | | 7 |
| 173 | Exploring the synergies of a hybrid BCI - VR neurorehabilitation system. , 2011, , . | | 7 |
| 174 | Behavioral rehabilitation of the eye closure reflex in senescent rats using a real-time biosignal acquisition system. , 2011, 2011, 4211-4. | | 7 |
| 175 | Non-anthropomorphic Expression of Affective States through Parametrized Abstract Motifs. , 2013, , . | | 7 |
| 176 | Autonomous development of turn-taking behaviors in agent populations: A computational study. , 2015, , . | | 7 |
| 177 | Consciousness as an Evolutionary Game-Theoretic Strategy. Lecture Notes in Computer Science, 2017, , 509-514. | 1.3 | 7 |
| 178 | Distributed Adaptive Control: A Proposal on the Neuronal Organization of Adaptive Goal Oriented Behavior. Studies in Computational Intelligence, 2010, , 15-41. | 0.9 | 7 |
| 179 | High-order events in cortical networks: A lower bound. Physical Review E, 2004, 70, 051909. | 2.1 | 6 |
| 180 | Chemotactic Search in Complex Environments. , 2004, , 181-207. | | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Interaction mapping affects spatial memory and the sense of presence when navigating in a virtual environment. , 2010, , . | | 6 |
| 182 | About the goal of a goalsâ€™ goal theory. Cognitive Neuroscience, 2015, 6, 218-219. | 1.4 | 6 |
| 183 | Spectral Modes of Network Dynamics Reveal Increased Informational Complexity Near Criticality. Procedia Computer Science, 2017, 108, 119-128. | 2.0 | 6 |
| 184 | Cholinergic Behavior State-Dependent Mechanisms of Neocortical Gain Control: a Neurocomputational Study. Molecular Neurobiology, 2018, 55, 249-257. | 4.0 | 6 |
| 185 | Long-term spatial clustering in free recall. Memory, 2018, 26, 798-806. | 1.7 | 6 |
| 186 | A Hybrid Human-Robot Collaborative Environment for Recycling Electrical and Electronic Equipment. , 2019, , . | | 6 |
| 187 | Modeling the formation of social conventions from embodied real-time interactions. PLoS ONE, 2020, 15, e0234434. | 2.5 | 6 |
| 188 | Intelligent motor decision: From selective attention to a Bayesian world model. , 2008, , . | | 5 |
| 189 | The neuronal substrate underlying order and interval representations in sequential tasks: A biologically based robot study. , 2010, , . | | 5 |
| 190 | The encoding of complex visual stimuli by a canonical model of the primary visual cortex: Temporal population code for face recognition on the iCub robot. , 2011, , . | | 5 |
| 191 | Biomechanical costs of reaching movements bias perceptual decisions. BMC Neuroscience, 2013, 14, . | 1.9 | 5 |
| 192 | The effects of silent visuomotor cueing on word retrieval in Broca's aphasies: A pilot study. , 2017, 2017, 193-199. | | 5 |
| 193 | Modeling the Opponentâ€™s Action Using Control-Based Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 179-186. | 1.3 | 5 |
| 194 | Optimising Robot Personalities for Symbiotic Interaction. Lecture Notes in Computer Science, 2014, , 392-395. | 1.3 | 5 |
| 195 | Bringing rehabilitation home with an e-health platform to treat stroke patients: study protocol of a randomized clinical trial (RGS@home). Trials, 2022, 23, . | 1.6 | 5 |
| 196 | Smolensky's theory of mind. Behavioral and Brain Sciences, 1990, 13, 407-407. | 0.7 | 4 |
| 197 | Unified Theories of Cognition. American Journal of Psychology, 1994, 107, 454. | 0.3 | 4 |
| 198 | Existence of high-order correlations in cortical activity. Physical Review E, 2003, 68, 041905. | 2.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | VR-RoBoser. , 2007, , . | | 4 |
| 200 | Cognitive Virtual-Reality Based Stroke Rehabilitation. , 2007, , 2839-2843. | | 4 |
| 201 | Perceptsynth: mapping perceptual musical features to sound synthesis parameters. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 4 |
| 202 | re(PER)curso. , 2008, , . | | 4 |
| 203 | Integrating neuroscience-based models towards an autonomous biomimetic Synthetic Forager. , 2011, , . | | 4 |
| 204 | Why the Brain Might Operate Near the Edge of Criticality. Lecture Notes in Computer Science, 2017, , 326-333. | 1.3 | 4 |
| 205 | Linear distributed source modeling of local field potentials recorded with intra-cortical electrode arrays. PLoS ONE, 2017, 12, e0187490. | 2.5 | 4 |
| 206 | Insect Behavioral Evidence of Spatial Memories During Environmental Reconfiguration. Lecture Notes in Computer Science, 2018, , 415-427. | 1.3 | 4 |
| 207 | Switching Operation Modes in the Neocortex via Cholinergic Neuromodulation. Molecular Neurobiology, 2020, 57, 139-149. | 4.0 | 4 |
| 208 | Hippocampal Based Model Reveals the Distinct Roles of Dentate Gyrus and CA3 during Robotic Spatial Navigation. Lecture Notes in Computer Science, 2014, , 273-283. | 1.3 | 4 |
| 209 | Navigate the Unknown: Implications of Grid-Cells "Mental Travel" in Vicarious Trial and Error. Lecture Notes in Computer Science, 2016, , 251-262. | 1.3 | 4 |
| 210 | The Complementary Roles of Allostatic and Contextual Control Systems in Foraging Tasks. Lecture Notes in Computer Science, 2010, , 370-379. | 1.3 | 4 |
| 211 | Future memory: a digital humanities approach for the preservation and presentation of the history of the Holocaust and Nazi crimes. Holocaust Studies, 2022, 28, 331-357. | 1.0 | 4 |
| 212 | Learning from the Moth: A Comparative Study of Robot-Based Odor Source Localization Strategies. , 2009, , . | | 3 |
| 213 | The real-world localization and classification of multiple odours using a biologically based neurorobotics approach. , 2010, , . | | 3 |
| 214 | A wavelet-based neural model to optimize and read out a temporal population code. Frontiers in Computational Neuroscience, 2012, 6, 21. | 2.1 | 3 |
| 215 | A sensorimotor account of visual and tactile integration for object categorization and grasping. , 2013, , . | | 3 |
| 216 | Learning of Motor Sequences Based on a Computational Model of the Cerebellum. Lecture Notes in Computer Science, 2013, , 356-358. | 1.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | EFAA, 2014, , . | | 3 |
| 218 | Effects of Gaze Synchronization in Human-Robot Interaction. Lecture Notes in Computer Science, 2014, , 370-373. | 1.3 | 3 |
| 219 | Two possible driving forces supporting the evolution of animal communication. Physics of Life Reviews, 2016, 16, 88-90. | 2.8 | 3 |
| 220 | Entorhinal mismatch: A model of self-supervised learning in the hippocampus. IScience, 2021, 24, 102364. | 4.1 | 3 |
| 221 | The Role of a Cerebellum-Driven Perceptual Prediction within a Robotic Postural Task. Lecture Notes in Computer Science, 2014, , 76-87. | 1.3 | 3 |
| 222 | Learning Temporally Stable Representations from Natural Sounds: Temporal Stability as a General Objective Underlying Sensory Processing. Lecture Notes in Computer Science, 2007, , 129-138. | 1.3 | 3 |
| 223 | A Digital Neuromorphic Implementation of Cerebellar Associative Learning. Lecture Notes in Computer Science, 2012, , 13-25. | 1.3 | 3 |
| 224 | The Hierarchical Accumulation of Knowledge in the Distributed Adaptive Control Architecture. , 2013, , 213-234. | | 3 |
| 225 | Beyond Neural Coding? Lessons from Perceptual Control Theory. Behavioral and Brain Sciences, 2019, 42, e217. | 0.7 | 3 |
| 226 | Challenging the Boundaries of the Physical Self: Distal Cues Impact Body Ownership. Frontiers in Human Neuroscience, 2021, 15, 704414. | 2.0 | 3 |
| 227 | An Interactive Space as a Creature. International Journal of Virtual and Augmented Reality, 2017, 1, 1-15. | 0.8 | 3 |
| 228 | Latent Morality in Algorithms and Machines. Lecture Notes in Computer Science, 2019, , 309-315. | 1.3 | 3 |
| 229 | Supercritical dynamics at the edge-of-chaos underlies optimal decision-making. Journal of Physics Complexity, 2021, 2, 045017. | 2.2 | 3 |
| 230 | Estimating upper-extremity function from kinematics in stroke patients following goal-oriented computer-based training. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 186. | 4.6 | 3 |
| 231 | Invariant encoding of spatial stimulus topology in the temporal domain. Neurocomputing, 2002, 44-46, 703-708. | 5.9 | 2 |
| 232 | Collective Human Behavior in Interactive Spaces. , 0, , . | | 2 |
| 233 | Dynamical features of higher-order correlation events: impact on cortical cells. Cognitive Neurodynamics, 2007, 1, 273-273. | 4.0 | 2 |
| 234 | The role of neural synchrony and rate in high-dimensional input systems. The Antennal Lobe: A case study. , 2010, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | The effect of social gaming in virtual reality based rehabilitation of stroke patients. , 2011, , . | | 2 |
| 236 | The complexity of reality and human computer confluence. , 2011, , . | | 2 |
| 237 | Insect-Like Odor Classification and Localization on an Autonomous Robot. Lecture Notes in Computer Science, 2012, , 371-372. | 1.3 | 2 |
| 238 | The dynamic connectome: towards large-scale 3D reconstruction of brain activity in real-time. BMC Neuroscience, 2013, 14, . | 1.9 | 2 |
| 239 | The effect of guided and free navigation on spatial memory in mixed reality. , 2013, , . | | 2 |
| 240 | Skill refinement through cerebellar learning and human haptic feedback: An iCub learning to paint experiment. , 2015, , . | | 2 |
| 241 | Scaling Properties of Human Brain Functional Networks. Lecture Notes in Computer Science, 2016, , 107-114. | 1.3 | 2 |
| 242 | Complex network changes during a virtual reality rehabilitation protocol following stroke: a case study. , 2019, , . | | 2 |
| 243 | Modulating grid cell scale and intrinsic frequencies via slow high-threshold conductances: A simplified model. Neural Networks, 2019, 119, 66-73. | 5.9 | 2 |
| 244 | From motor to visually guided bimanual affordance learning. Adaptive Behavior, 2020, 28, 63-78. | 1.9 | 2 |
| 245 | Multisensory cueing facilitates naming in aphasia. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 122. | 4.6 | 2 |
| 246 | Epistemic Autonomy: Self-supervised Learning in the Mammalian Hippocampus. Trends in Cognitive Sciences, 2021, 25, 582-595. | 7.8 | 2 |
| 247 | Robot regulatory behaviour based on fundamental homeostatic and allostatic principles. Procedia Computer Science, 2021, 190, 292-300. | 2.0 | 2 |
| 248 | Depression Modulates Attentional Processing After Stroke. Biosystems and Biorobotics, 2019, , 702-706. | 0.3 | 2 |
| 249 | Acquisition of Synergistic Motor Responses through Cerebellar Learning in a Robotic Postural Task. Lecture Notes in Computer Science, 2014, , 202-212. | 1.3 | 2 |
| 250 | Comparing Input Sensors in an Immersive Mixed-Reality Environment for Human-Computer Symbiosis. Lecture Notes in Computer Science, 2015, , 111-125. | 1.3 | 2 |
| 251 | Towards Self-controlled Robots Through Distributed Adaptive Control. Lecture Notes in Computer Science, 2016, , 490-497. | 1.3 | 2 |
| 252 | Synaptogenesis: Constraining Synaptic Plasticity Based on a Distance Rule. Lecture Notes in Computer Science, 2016, , 28-35. | 1.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Action-Planning and Execution from Multimodal Cues: An Integrated Cognitive Model for Artificial Autonomous Systems. <i>Studies in Computational Intelligence</i> , 2010, , 479-497. | 0.9 | 2 |
| 254 | The State-of-the-Art in Biomimetics. <i>Lecture Notes in Computer Science</i> , 2012, , 367-368. | 1.3 | 2 |
| 255 | Virtual Reality Based Tool for Motor Function Assessment in Stroke Survivors. <i>Biosystems and Biorobotics</i> , 2013, , 1037-1041. | 0.3 | 2 |
| 256 | The Influence of Behavioral Complexity on Robot Perception. <i>Lecture Notes in Computer Science</i> , 2014, , 332-343. | 1.3 | 2 |
| 257 | Empathy in Humanoid Robots. <i>Lecture Notes in Computer Science</i> , 2014, , 423-426. | 1.3 | 2 |
| 258 | A Temporal Estimate of Integrated Information for Intracranial Functional Connectivity. <i>Lecture Notes in Computer Science</i> , 2018, , 403-412. | 1.3 | 2 |
| 259 | The Use of Social Sensorimotor Contingencies in Humanoid Robots. <i>Lecture Notes in Computer Science</i> , 2020, , 378-389. | 1.3 | 2 |
| 260 | Distributed Adaptive Control: An Ideal Cognitive Architecture Candidate for Managing a Robotic Recycling Plant. <i>Lecture Notes in Computer Science</i> , 2020, , 153-164. | 1.3 | 2 |
| 261 | Active Learning in Digital Heritage: Introducing Geo-localisation, VR and AR at Holocaust Historical Sites. , 2021, , 145-176. | | 2 |
| 262 | The Remembered Present: A Biological Theory of Consciousness. <i>American Journal of Psychology</i> , 1992, 105, 477. | 0.3 | 1 |
| 263 | <title>Collision avoidance in a robot using looming detectors from a locust</title>. , 2000, , . | | 1 |
| 264 | Learning in a neural network model in real time using real world stimuli. <i>Neurocomputing</i> , 2001, 38-40, 859-865. | 5.9 | 1 |
| 265 | Real-world behavior as a constraint on the cognitive architecture: Comparing ACT-R and DAC in the Newell Test. <i>Behavioral and Brain Sciences</i> , 2003, 26, 624-626. | 0.7 | 1 |
| 266 | Acquisition and execution of motor sequences by a computational model of the cerebellum. <i>BMC Neuroscience</i> , 2013, 14, . | 1.9 | 1 |
| 267 | 11. The Human as the Mind in the Machine: Addressing Big Data. , 2015, , 198-212. | | 1 |
| 268 | Symbiotic Adaptive Interfaces: A Case Study Using BrainX3. <i>Lecture Notes in Computer Science</i> , 2015, , 33-44. | 1.3 | 1 |
| 269 | Towards sample-efficient policy learning with DAC-ML. <i>Procedia Computer Science</i> , 2021, 190, 256-262. | 2.0 | 1 |
| 270 | Distinguishing Self, Other, and Autonomy From Visual Feedback: A Combined Correlation and Acceleration Transfer Analysis. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 560657. | 2.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | OUP accepted manuscript. Alcohol and Alcoholism, 2021, , . | 1.6 | 1 |
| 272 | Towards a Roadmap for Living Machines. Lecture Notes in Computer Science, 2013, , 396-398. | 1.3 | 1 |
| 273 | A Framework for Mobile Robot Navigation Using a Temporal Population Code. Lecture Notes in Computer Science, 2012, , 144-155. | 1.3 | 1 |
| 274 | Acquisition of Anticipatory Postural Adjustment through Cerebellar Learning in a Mobile Robot. Lecture Notes in Computer Science, 2013, , 399-401. | 1.3 | 1 |
| 275 | The Synthetic Moth. Frontiers in Neuroengineering Series, 2013, , 117-152. | 0.4 | 1 |
| 276 | Mapping the Language Connectome in Healthy Subjects and Brain Tumor Patients. Lecture Notes in Computer Science, 2016, , 83-90. | 1.3 | 1 |
| 277 | Machine Morality: From Harm-Avoidance to Human-Robot Cooperation. Lecture Notes in Computer Science, 2020, , 116-127. | 1.3 | 1 |
| 278 | Scoring rules and probability testing. Bulletin of the Psychonomic Society, 1987, 25, 280-282. | 0.2 | 0 |
| 279 | A biologically plausible model for the development of selective microcircuits in striate cortex. Neurocomputing, 2001, 38-40, 851-857. | 5.9 | 0 |
| 280 | Editorial. Network: Computation in Neural Systems, 2008, 19, 1-2. | 3.6 | 0 |
| 281 | The application of a real-time rapid-prototyping environment for the behavioral rehabilitation of a lost brain function in rats. , 2011, , . | | 0 |
| 282 | The acquisition of intentionally indexed and object centered affordance gradients: A biomimetic controller and mobile robotics benchmark. , 2011, , . | | 0 |
| 283 | Large Scale Funding vs. Small Scale Funding. Procedia Computer Science, 2011, 7, 125. | 2.0 | 0 |
| 284 | Odour Mapping Under Strong Backgrounds With a Metal Oxide Sensor Array. , 2011, , . | | 0 |
| 285 | A Biomimetic Approach to an Autonomous Unmanned Air Vehicle. Lecture Notes in Computer Science, 2012, , 333-334. | 1.3 | 0 |
| 286 | Prefrontal cortical modulation of information flow in a large-scale model of the cortico-thalamic circuit. BMC Neuroscience, 2013, 14, . | 1.9 | 0 |
| 287 | Living Machines 2012: The First International Conference on Biomimetic and Biohybrid Systems. Bioinspiration and Biomimetics, 2013, 8, 030201. | 2.9 | 0 |
| 288 | Manipulating complex network structures in virtual reality and 3D printing of the results. , 2014, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Plasticity in the Granular Layer Enhances Motor Learning in a Computational Model of the Cerebellum. <i>Lecture Notes in Computer Science</i> , 2016, , 272-279. | 1.3 | 0 |
| 290 | Modeling the neural substrates of learning through conditioning: A two-phased model. <i>IBM Journal of Research and Development</i> , 2017, 61, 9:1-9:11. | 3.1 | 0 |
| 291 | Challenges of Machine Learning for Living Machines. <i>Lecture Notes in Computer Science</i> , 2018, , 382-386. | 1.3 | 0 |
| 292 | Collaboration Variability in Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 559793. | 2.0 | 0 |
| 293 | Healing the Virtualizing Brain Using Virtual Reality: How Goal-Oriented, Embodied, Immersive VR Training Works. <i>Biosystems and Biorobotics</i> , 2022, , 575-578. | 0.3 | 0 |
| 294 | Social cognition in individuals with schizophrenia: Ongoing randomised controlled pilot data analysis. <i>Journal of the Neurological Sciences</i> , 2021, 429, 119757. | 0.6 | 0 |
| 295 | The Cognitive Development of an Autonomous Behaving Artifact: The Self-Organization of Categorization, Sequencing, and Chunking. <i>Studies in Cognitive Systems</i> , 2000, , 928-947. | 0.1 | 0 |
| 296 | Chemotactic Search in Complex Environments. , 2004, , 181-207. | | 0 |
| 297 | Cerebellar Memory Transfer and Partial Savings during Motor Learning: A Robotic Study. <i>Lecture Notes in Computer Science</i> , 2012, , 321-332. | 1.3 | 0 |
| 298 | Generalization of Integrator Models to Foraging: A Robot Study Using the DAC9 Model. <i>Lecture Notes in Computer Science</i> , 2012, , 156-167. | 1.3 | 0 |
| 299 | Internal Drive Regulation of Sensorimotor Reflexes in the Control of a Catering Assistant Autonomous Robot. <i>Lecture Notes in Computer Science</i> , 2012, , 238-249. | 1.3 | 0 |
| 300 | Gesture Recognition Using Temporal Population Coding and a Conceptual Space. <i>Lecture Notes in Computer Science</i> , 2014, , 430-432. | 1.3 | 0 |
| 301 | Learning to Balance While Reaching: A Cerebellar-Based Control Architecture for a Self-balancing Robot. <i>Lecture Notes in Computer Science</i> , 2016, , 214-226. | 1.3 | 0 |
| 302 | Modulating Learning Through Expectation in a Simulated Robotic Setup. <i>Lecture Notes in Computer Science</i> , 2016, , 400-408. | 1.3 | 0 |
| 303 | Behavior-State Dependent Modulation of Perception Based on a Model of Conditioning. <i>Lecture Notes in Computer Science</i> , 2017, , 387-393. | 1.3 | 0 |
| 304 | Adaptively Learning Levels of Coordination from Oneâ€™s, Otherâ€™s and Task Related Errors Through a Cerebellar Circuit: A Dual Cart-Pole Setup. <i>Lecture Notes in Computer Science</i> , 2017, , 309-316. | 1.3 | 0 |
| 305 | Evaluation of the Facial Expressions of a Humanoid Robot. <i>Lecture Notes in Computer Science</i> , 2019, , 365-368. | 1.3 | 0 |
| 306 | Cholinergic Control of Chaos and Evidence Sensitivity in a Neocortical Model of Perceptual Decision-Making. <i>Lecture Notes in Computer Science</i> , 2020, , 92-96. | 1.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 307 | Escaping from the IIT Munchausen method: Re-establishing the scientific method in the study of consciousness. Behavioral and Brain Sciences, 2022, 45, e63. | 0.7 | 0 |
| 308 | Chronic use of cannabis impairs sensory error processing in the cerebellum through endocannabinoid dysregulation. Addictive Behaviors, 2022, 131, 107297. | 3.0 | 0 |
| 309 | Modeling the formation of social conventions from embodied real-time interactions. , 2020, 15, e0234434. | | 0 |
| 310 | Modeling the formation of social conventions from embodied real-time interactions. , 2020, 15, e0234434. | | 0 |
| 311 | Modeling the formation of social conventions from embodied real-time interactions. , 2020, 15, e0234434. | | 0 |
| 312 | Modeling the formation of social conventions from embodied real-time interactions. , 2020, 15, e0234434. | | 0 |
| 313 | Title is missing!. , 2020, 15, e0237631. | | 0 |
| 314 | Title is missing!. , 2020, 15, e0237631. | | 0 |
| 315 | Title is missing!. , 2020, 15, e0237631. | | 0 |
| 316 | Title is missing!. , 2020, 15, e0237631. | | 0 |
| 317 | Saccade rate is associated with recall of items in working memory. Learning and Memory, 2022, 29, 146-154. | 1.3 | 0 |