# Ezequiel Di Paolo

## List of Publications by Citations



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|---|---|---|---|
| 124 papers | 4,862 citations | 31 h-index | 68 g-index |
| 134 ext. papers | 5,742 ext. citations | 2.4 avg, IF | 6.37 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 124 | Participatory sense-making. *Phenomenology and the Cognitive Sciences*, **2007**, 6, 485-507 | 1.5 | 800 |
| 123 | Can social interaction constitute social cognition?. *Trends in Cognitive Sciences*, **2010**, 14, 441-7 | 14 | 560 |
| 122 | Autopoiesis, Adaptivity, Teleology, Agency. *Phenomenology and the Cognitive Sciences*, **2005**, 4, 429-452 | 1.5 | 348 |
| 121 | Extended Life. *Topoi*, **2009**, 28, 9-21 | 0.8 | 190 |
| 120 | Linguistic Bodies **2018**, | | 181 |
| 119 | Defining Agency: Individuality, Normativity, Asymmetry, and Spatio-temporality in Action. *Adaptive Behavior*, **2009**, 17, 367-386 | 1.1 | 176 |
| 118 | The enactive approach. *Pragmatics and Cognition*, **2011**, 19, 1-36 | 0.3 | 174 |
| 117 | The interactive brain hypothesis. *Frontiers in Human Neuroscience*, **2012**, 6, 163 | 3.3 | 168 |
| 116 | Evolutionary robotics: a new scientific tool for studying cognition. *Artificial Life*, **2005**, 11, 79-98 | 1.4 | 163 |
| 115 | Sensorimotor Life **2017**, | | 140 |
| 114 | Sensitivity to social contingency or stability of interaction? Modelling the dynamics of perceptual crossing. *New Ideas in Psychology*, **2008**, 26, 278-294 | 2.5 | 107 |
| 113 | Horizons for the Enactive Mind: Values, Social Interaction, and Play **2010**, 32-87 | | 85 |
| 112 | Modelling social interaction as perceptual crossing: an investigation into the dynamics of the interaction process. *Connection Science*, **2010**, 22, 43-68 | 2.8 | 80 |
| 111 | Spatial effects favour the evolution of niche construction. *Theoretical Population Biology*, **2006**, 70, 387-400 | 1.2 | 72 |
| 110 | Binary-Representation-Based Genetic Algorithm for Aircraft Arrival Sequencing and Scheduling. *IEEE Transactions on Intelligent Transportation Systems*, **2008**, 9, 301-310 | 6.1 | 71 |
| 109 | Enaction and Psychology. *Review of General Psychology*, **2013**, 17, 203-209 | 3.9 | 70 |
| 108 | An efficient genetic algorithm with uniform crossover for air traffic control. *Computers and Operations Research*, **2009**, 36, 245-259 | 4.6 | 63 |

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| 107 | From participatory sense-making to language: there and back again. *Phenomenology and the Cognitive Sciences*, **2015**, 14, 1089-1125 | 1.5 | 62 |
| 106 | A dynamical systems account of sensorimotor contingencies. *Frontiers in Psychology*, **2013**, 4, 285 | 3.4 | 57 |
| 105 | Sociality and the life□mind continuity thesis. *Phenomenology and the Cognitive Sciences*, **2009**, 8, 439-463 | 1.5 | 57 |
| 104 | What does the interactive brain hypothesis mean for social neuroscience? A dialogue. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371, | 5.8 | 55 |
| 103 | The sense of agency □ a phenomenological consequence of enacting sensorimotor schemes. *Phenomenology and the Cognitive Sciences*, **2017**, 16, 207-236 | 1.5 | 54 |
| 102 | Evolving neural models of path integration. *Journal of Experimental Biology*, **2005**, 208, 3349-66 | 3 | 48 |
| 101 | Behavioral Coordination, Structural Congruence and Entrainment in a Simulation of Acoustically Coupled Agents. *Adaptive Behavior*, **2000**, 8, 27-48 | 1.1 | 43 |
| 100 | A genealogical map of the concept of habit. *Frontiers in Human Neuroscience*, **2014**, 8, 522 | 3.3 | 42 |
| 99 | A minimal model of metabolism-based chemotaxis. *PLoS Computational Biology*, **2010**, 6, e1001004 | 5 | 42 |
| 98 | Spatially embedded random networks. *Physical Review E*, **2007**, 76, 056115 | 2.4 | 38 |
| 97 | How (not) to model autonomous behaviour. *BioSystems*, **2008**, 91, 409-23 | 1.9 | 37 |
| 96 | Rhythmic and non-rhythmic attractors in asynchronous random Boolean networks. *BioSystems*, **2001**, 59, 185-95 | 1.9 | 35 |
| 95 | Toward Spinozist Robotics: Exploring the Minimal Dynamics of Behavioral Preference. *Adaptive Behavior*, **2007**, 15, 359-376 | 1.1 | 34 |
| 94 | Evolving spike-timing-dependent plasticity for single-trial learning in robots. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2003**, 361, 2299-319 | 3 | 33 |
| 93 | Multiairport Capacity Management: Genetic Algorithm With Receding Horizon. *IEEE Transactions on Intelligent Transportation Systems*, **2007**, 8, 254-263 | 6.1 | 31 |
| 92 | An Investigation into the Evolution of Communication. *Adaptive Behavior*, **1997**, 6, 285-324 | 1.1 | 30 |
| 91 | Spike-Timing Dependent Plasticity for Evolved Robots. *Adaptive Behavior*, **2002**, 10, 243-263 | 1.1 | 29 |
| 90 | Sensorimotor agency **2017**, | | 28 |

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| 89 | Calculating complete and exact Pareto front for multiobjective optimization: a new deterministic approach for discrete problems. *IEEE Transactions on Cybernetics*, **2013**, 43, 1088-101 | 10.2 | 25 |
| 88 | A ripple-spreading genetic algorithm for the aircraft sequencing problem. *Evolutionary Computation*, **2011**, 19, 77-106 | 4.3 | 25 |
| 87 | Locked-in syndrome: a challenge for embodied cognitive science. *Phenomenology and the Cognitive Sciences*, **2015**, 14, 517-542 | 1.5 | 24 |
| 86 | Learning to perceive in the sensorimotor approach: Piaget's theory of equilibration interpreted dynamically. *Frontiers in Human Neuroscience*, **2014**, 8, 551 | 3.3 | 24 |
| 85 | Application of Complex Network Theory and Genetic Algorithm in Airline Route Networks. *Transportation Research Record*, **2011**, 2214, 50-58 | 1.7 | 21 |
| 84 | Environmental regulation can arise under minimal assumptions. *Journal of Theoretical Biology*, **2008** , 251, 653-66 | 2.3 | 19 |
| 83 | Deterministic Agent-Based Path Optimization by Mimicking the Spreading of Ripples. *Evolutionary Computation*, **2016**, 24, 319-46 | 4.3 | 18 |
| 82 | Spatial embedding and the structure of complex networks. *Complexity*, **2010**, 16, 20-28 | 1.6 | 18 |
| 81 | Spinal circuits can accommodate interaction torques during multijoint limb movements. *Frontiers in Computational Neuroscience*, **2014**, 8, 144 | 3.5 | 16 |
| 80 | Behavioral metabolution: the adaptive and evolutionary potential of metabolism-based chemotaxis. *Artificial Life*, **2012**, 18, 1-25 | 1.4 | 16 |
| 79 | Minimal Agency Detection of Embodied Agents. *Lecture Notes in Computer Science*, **2007**, 485-494 | 0.9 | 16 |
| 78 | Sensorimotor strategies for recognizing geometrical shapes: a comparative study with different sensory substitution devices. *Frontiers in Psychology*, **2015**, 6, 679 | 3.4 | 15 |
| 77 | Enactivism is not interactionism. *Frontiers in Human Neuroscience*, **2012**, 6, 345 | 3.3 | 15 |
| 76 | The contribution of active body movement to visual development in evolutionary robots. *Neural Networks*, **2005**, 18, 656-65 | 9.1 | 15 |
| 75 | Enactive becoming. *Phenomenology and the Cognitive Sciences*, **2020**, 1 | 1.5 | 14 |
| 74 | Ecological symmetry breaking can favour the evolution of altruism in an action-response game. *Journal of Theoretical Biology*, **2000**, 203, 135-52 | 2.3 | 13 |
| 73 | An Efficient Genetic Algorithm with Uniform Crossover for the Multi-Objective Airport Gate Assignment Problem. *Studies in Computational Intelligence*, **2009**, 71-89 | 0.8 | 12 |
| 72 | Integrating Autopoiesis and Behavior: An Exploration in Computational Chemo-ethology. *Adaptive Behavior*, **2009**, 17, 387-401 | 1.1 | 11 |

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| 71 | Unbinding biological autonomy: Francisco Varela's contributions to artificial life. *Artificial Life*, **2004**, 10, 231-3 | 1.4 | 11 |
| 70 | The circular topology of rhythm in asynchronous random Boolean networks. *BioSystems*, **2004**, 73, 141-52 | 1.9 | 11 |
| 69 | New Models for Old Questions: Evolutionary Robotics and the A Not B Error. *Lecture Notes in Computer Science*, **2007**, 1141-1150 | 0.9 | 11 |
| 68 | Toward an embodied science of intersubjectivity: widening the scope of social understanding research. *Frontiers in Psychology*, **2015**, 6, 234 | 3.4 | 10 |
| 67 | Chapter 3 Overcoming Autopoiesis: An Enactive Detour on the Way from Life to Society. *Advanced Series in Management*, **2010**, 43-68 | 0.3 | 10 |
| 66 | The Advantages of Evolving Perceptual Cues. *Adaptive Behavior*, **2006**, 14, 147-156 | 1.1 | 10 |
| 65 | Deterministic ripple-spreading model for complex networks. *Physical Review E*, **2011**, 83, 046123 | 2.4 | 9 |
| 64 | Spatial, temporal, and modulatory factors affecting GasNet evolvability in a visually guided robotics task. *Complexity*, **2010**, 16, 35-44 | 1.6 | 9 |
| 63 | Process and Individuation: The Development of Sensorimotor Agency. *Human Development*, **2019**, 63, 202-226 | 1.7 | 9 |
| 62 | Embodied Coordination and Psychotherapeutic Outcome: Beyond Direct Mappings. *Frontiers in Psychology*, **2018**, 9, 1257 | 3.4 | 8 |
| 61 | One step forward, two steps back--not the Tango: comment on Gallotti and Frith. *Trends in Cognitive Sciences*, **2013**, 17, 303-4 | 14 | 8 |
| 60 | Stability of Coordination Requires Mutuality of Interaction in a Model of Embodied Agents. *Lecture Notes in Computer Science*, **2008**, 52-61 | 0.9 | 8 |
| 59 | Monostable Controllers for Adaptive Behaviour. *Lecture Notes in Computer Science*, **2008**, 103-112 | 0.9 | 7 |
| 58 | Preliminary Investigations on the Evolvability of a Non spatial GasNet Model. *Lecture Notes in Computer Science*, **2007**, 966-975 | 0.9 | 7 |
| 57 | The worldly constituents of perceptual presence. *Frontiers in Psychology*, **2014**, 5, 450 | 3.4 | 6 |
| 56 | A Ripple-Spreading Algorithm for the k Shortest Paths Problem **2012**, | | 6 |
| 55 | Robotics Inspired in the Organism. *Intellectica*, **2010**, 53, 129-162 | 0.1 | 6 |
| 54 | Extended Homeostatic Adaptation: Improving the Link between Internal and Behavioural Stability. *Lecture Notes in Computer Science*, **2008**, 1-11 | 0.9 | 6 |

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| 53 | Is an Embodied System Ever Purely Reactive?. *Lecture Notes in Computer Science*, **2005**, 252-261 | 0.9 | 6 |
| 52 | A Little More than Kind and Less than Kin: The Unwarranted Use of Kin Selection in Spatial Models of Communication. *Lecture Notes in Computer Science*, **1999**, 504-513 | 0.9 | 6 |
| 51 | Integrated information in the thermodynamic limit. *Neural Networks*, **2019**, 114, 136-146 | 9.1 | 5 |
| 50 | Toward Minimally Social Behavior: Social Psychology Meets Evolutionary Robotics. *Lecture Notes in Computer Science*, **2011**, 426-433 | 0.9 | 5 |
| 49 | Spatially Constrained Networks and the Evolution of Modular Control Systems. *Lecture Notes in Computer Science*, **2006**, 546-557 | 0.9 | 5 |
| 48 | A comprehensive fuzz-rule-based self-adaptive genetic algorithm. *International Journal of Intelligent Computing and Cybernetics*, **2008**, 1, 94-109 | 2.2 | 4 |
| 47 | Non-representational Sensorimotor Knowledge. *Lecture Notes in Computer Science*, **2014**, 21-31 | 0.9 | 4 |
| 46 | Increasing Complexity Can Increase Stability in a Self-Regulating Ecosystem. *Lecture Notes in Computer Science*, **2007**, 133-142 | 0.9 | 4 |
| 45 | Adapting to Your Body. *Lecture Notes in Computer Science*, **2007**, 203-212 | 0.9 | 4 |
| 44 | Placebo From an Enactive Perspective. *Frontiers in Psychology*, **2021**, 12, 660118 | 3.4 | 4 |
| 43 | The Enactive Conception of Life **2018**, 70-94 | | 4 |
| 42 | Artificial Life and Historical Processes. *Lecture Notes in Computer Science*, **2001**, 649-658 | 0.9 | 4 |
| 41 | Adaptive Factors in the Evolution of Signaling Systems **2002**, 53-77 | | 4 |
| 40 | Learning to find spatially reversed sounds. *Scientific Reports*, **2020**, 10, 4562 | 4.9 | 3 |
| 39 | A ripple-spreading algorithm to calculate the k best solutions to the project time management problem **2013**, | | 3 |
| 38 | A ripple-spreading Genetic Algorithm for the airport Gate Assignment Problem **2009**, | | 3 |
| 37 | Laying down a forking path: Tensions between enaction and the free energy principle. *Philosophy and the Mind Sciences*,3, | 1.5 | 3 |
| 36 | Enactive Ethics: Difference Becoming Participation. *Topoi*,1 | 0.8 | 3 |

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| 35 | Comment: How Your Own Becoming Feels. *Emotion Review*, **2020**, 12, 229-230 | 4.6 | 3 |
| 34 | Laying down a forking path: Incompatibilities between enaction and the free energy principle | | 3 |
| 33 | Unreliable gut feelings can lead to correct decisions: the somatic marker hypothesis in non-linear decision chains. *Frontiers in Psychology*, **2012**, 3, 384 | 3.4 | 2 |
| 32 | A ripple-spreading algorithm for route optimization **2013**, | | 2 |
| 31 | A review on ripple-spreading genetic algorithms for combinatorial optimization problems **2010**, | | 2 |
| 30 | Constraints on body movement during visual development affect behavior of evolutionary robots | | 2 |
| 29 | Artificial life: discipline or method? Report on a debate held at ECAL '99. *Artificial Life*, **2000**, 6, 145-8 | 1.4 | 2 |
| 28 | The Enactive Approach | | 2 |
| 27 | Genetic Algorithms for the Airport Gate Assignment: Linkage, Representation and Uniform Crossover. *Studies in Computational Intelligence*, **2008**, 361-387 | 0.8 | 2 |
| 26 | Picturing Organisms and Their Environments: Interaction, Transaction, and Constitution Loops. *Frontiers in Psychology*, **2020**, 11, 1912 | 3.4 | 2 |
| 25 | Critical integration in neural and cognitive systems: Beyond power-law scaling as the hallmark of soft assembly. *Neuroscience and Biobehavioral Reviews*, **2021**, 123, 230-237 | 9 | 2 |
| 24 | Embodiment in online psychotherapy: A qualitative study. *Psychology and Psychotherapy: Theory, Research and Practice*, **2021**, | 3.5 | 2 |
| 23 | Rediscovering Richard Held: Activity and Passivity in Perceptual Learning. *Frontiers in Psychology*, **2020**, 11, 844 | 3.4 | 1 |
| 22 | Reconstructing the Cognitive World: The Next Step. Michael Wheeler. (2005, MIT Press.) ISBN 0-262-23240-5, 432 pages. $35.00/£22.95. *Artificial Life*, **2007**, 13, 203-206 | 1.4 | 1 |
| 21 | Cycles of Contingency: Developmental Systems and Evolution. Susan Oyama, Paul E. Griffiths, & Russell D. Gray (Eds.). (2000, MIT Press). $50.00, 377 pages.. *Artificial Life*, **2002**, 8, 219-222 | 1.4 | 1 |
| 20 | Neural Uncertainty and Sensorimotor Robustness. *Lecture Notes in Computer Science*, **2007**, 786-795 | 0.9 | 1 |
| 19 | Adaptation to Sensory Delays. *Lecture Notes in Computer Science*, **2007**, 193-202 | 0.9 | 1 |
| 18 | A Hybrid Genetic Algorithm for the Travelling Salesman Problem. *Studies in Computational Intelligence*, **2008**, 357-367 | 0.8 | 1 |

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| 17 | Embodiment and Perceptual Crossing in 2D. *Lecture Notes in Computer Science*, **2008**, 83-92 | 0.9 | 1 |
| 16 | Why do we build the wall?. *Adaptive Behavior*, **2020**, 28, 37-38 | 1.1 | 1 |
| 15 | Bridges and hobby-horses: John Stewart's adventure of ideas. *Adaptive Behavior*,105971232098821 | 1.1 | 1 |
| 14 | t for Two Linear Synergy Advances the Evolution of Directional Pointing Behaviour. *Lecture Notes in Computer Science*, **2005**, 262-271 | 0.9 | 1 |
| 13 | The Tango of a Load Balancing Biped **2005**, 813-823 | | 1 |
| 12 | On symptom perception, placebo effects, and the Bayesian brain.. *Pain*, **2022**, 163, e604 | 8 | 1 |
| 11 | From the Inside Looking Out: Self Extinguishing Perceptual Cues and the Constructed Worlds of Animats. *Lecture Notes in Computer Science*, **2005**, 11-20 | 0.9 | 0 |
| 10 | Neural Noise Induces the Evolution of Robust Behaviour by Avoiding Non-functional Bifurcations. *Lecture Notes in Computer Science*, **2008**, 32-41 | 0.9 | 0 |
| 9 | Chemo-ethology of an Adaptive Protocell. *Lecture Notes in Computer Science*, **2011**, 248-255 | 0.9 | 0 |
| 8 | A test run of the free energy principle: All for naught?: Comment on "How particular is the physics of the free energy principle?" by Miguel Aguilera et al.. *Physics of Life Reviews*, **2022**, 41, 61-63 | 2.1 | 0 |
| 7 | Regarding Compass Response Functions For Modeling Path Integration: Comment on Evolving a Neural Model of Insect Path Integration *Adaptive Behavior*, **2008**, 16, 275-276 | 1.1 | |
| 6 | The Mechanization of the Mind: On the Origins of Cognitive Science, Stefan Wermter (Ed.), Jean-Pierre Dupuy, translated by M.B. DeBevoise, Princeton University Press, 2000, $29.95 / 19.95, 240 pp. ISBN: 0-691-02574-6. *Cognitive Systems Research*, **2001**, 2, 291-295 | 4.8 | |
| 5 | The Design of Animal Communication. *Adaptive Behavior*, **2000**, 8, 75-79 | 1.1 | |
| 4 | Biological Actuators Are Not Just Springs. *Lecture Notes in Computer Science*, **2006**, 89-100 | 0.9 | |
| 3 | A Genetic Algorithm Based on Complex Networks Theory for the Management of Airline Route Networks. *Studies in Computational Intelligence*, **2008**, 495-505 | 0.8 | |
| 2 | Behavioural Coordination in Acoustically Coupled Agents. *Perspectives in Neural Computing*, **1998**, 1097-1102 | | |
| 1 | Local Ultrastability in a Real System Based on Programmable Springs. *Lecture Notes in Computer Science*, **2011**, 91-98 | 0.9 | |