Ezequiel Di Paolo

List of Publications by Year in Descending Order

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	On symptom perception, placebo effects, and the Bayesian brain.. *Pain*, **2022**, 163, e604	8	1
123	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
122	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
121	Placebo From an Enactive Perspective. *Frontiers in Psychology*, **2021**, 12, 660118	3.4	4
120	Embodiment in online psychotherapy: A qualitative study. *Psychology and Psychotherapy: Theory, Research and Practice*, **2021**,	3.5	2
119	Rediscovering Richard Held: Activity and Passivity in Perceptual Learning. *Frontiers in Psychology*, **2020**, 11, 844	3.4	1
118	Learning to find spatially reversed sounds. *Scientific Reports*, **2020**, 10, 4562	4.9	3
117	Enactive becoming. *Phenomenology and the Cognitive Sciences*, **2020**, 1	1.5	14
116	Comment: How Your Own Becoming Feels. *Emotion Review*, **2020**, 12, 229-230	4.6	3
115	Picturing Organisms and Their Environments: Interaction, Transaction, and Constitution Loops. *Frontiers in Psychology*, **2020**, 11, 1912	3.4	2
114	Why do we build the wall?. *Adaptive Behavior*, **2020**, 28, 37-38	1.1	1
113	Integrated information in the thermodynamic limit. *Neural Networks*, **2019**, 114, 136-146	9.1	5
112	Process and Individuation: The Development of Sensorimotor Agency. *Human Development*, **2019**, 63, 202-226	1.7	9
111	Embodied Coordination and Psychotherapeutic Outcome: Beyond Direct Mappings. *Frontiers in Psychology*, **2018**, 9, 1257	3.4	8
110	Linguistic Bodies **2018**,		181
109	The Enactive Conception of Life **2018**, 70-94		4
108	The sense of agency phenomenological consequence of enacting sensorimotor schemes. *Phenomenology and the Cognitive Sciences*, **2017**, 16, 207-236	1.5	54

107	Sensorimotor Life **2017**,		140
106	Sensorimotor agency **2017**,		28
105	Deterministic Agent-Based Path Optimization by Mimicking the Spreading of Ripples. *Evolutionary Computation*, **2016**, 24, 319-46	4.3	18
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	Toward an embodied science of intersubjectivity: widening the scope of social understanding research. *Frontiers in Psychology*, **2015**, 6, 234	3.4	10
102	Locked-in syndrome: a challenge for embodied cognitive science. *Phenomenology and the Cognitive Sciences*, **2015**, 14, 517-542	1.5	24
101	Sensorimotor strategies for recognizing geometrical shapes: a comparative study with different sensory substitution devices. *Frontiers in Psychology*, **2015**, 6, 679	3.4	15
100	From participatory sense-making to language: there and back again. *Phenomenology and the Cognitive Sciences*, **2015**, 14, 1089-1125	1.5	62
99	Spinal circuits can accommodate interaction torques during multijoint limb movements. *Frontiers in Computational Neuroscience*, **2014**, 8, 144	3.5	16
98	A genealogical map of the concept of habit. *Frontiers in Human Neuroscience*, **2014**, 8, 522	3.3	42
97	Learning to perceive in the sensorimotor approach: Piaget's theory of equilibration interpreted dynamically. *Frontiers in Human Neuroscience*, **2014**, 8, 551	3.3	24
96	The worldly constituents of perceptual presence. *Frontiers in Psychology*, **2014**, 5, 450	3.4	6
95	Non-representational Sensorimotor Knowledge. *Lecture Notes in Computer Science*, **2014**, 21-31	0.9	4
94	One step forward, two steps back--not the Tango: comment on Gallotti and Frith. *Trends in Cognitive Sciences*, **2013**, 17, 303-4	14	8
93	A ripple-spreading algorithm to calculate the k best solutions to the project time management problem **2013**,		3
92	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
91	A ripple-spreading algorithm for route optimization **2013**,		2
90	Enaction and Psychology. *Review of General Psychology*, **2013**, 17, 203-209	3.9	70

89	A dynamical systems account of sensorimotor contingencies. *Frontiers in Psychology*, **2013**, 4, 285	3.4	57
88	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
87	The interactive brain hypothesis. *Frontiers in Human Neuroscience*, **2012**, 6, 163	3.3	168
86	Enactivism is not interactionism. *Frontiers in Human Neuroscience*, **2012**, 6, 345	3.3	15
85	Behavioral metabolution: the adaptive and evolutionary potential of metabolism-based chemotaxis. *Artificial Life*, **2012**, 18, 1-25	1.4	16
84	A Ripple-Spreading Algorithm for the k Shortest Paths Problem **2012**,		6
83	A ripple-spreading genetic algorithm for the aircraft sequencing problem. *Evolutionary Computation*, **2011**, 19, 77-106	4.3	25
82	Deterministic ripple-spreading model for complex networks. *Physical Review E*, **2011**, 83, 046123	2.4	9
81	The enactive approach. *Pragmatics and Cognition*, **2011**, 19, 1-36	0.3	174
80	Application of Complex Network Theory and Genetic Algorithm in Airline Route Networks. *Transportation Research Record*, **2011**, 2214, 50-58	1.7	21
79	Toward Minimally Social Behavior: Social Psychology Meets Evolutionary Robotics. *Lecture Notes in Computer Science*, **2011**, 426-433	0.9	5
78	Local Ultrastability in a Real System Based on Programmable Springs. *Lecture Notes in Computer Science*, **2011**, 91-98	0.9	
77	Chemo-ethology of an Adaptive Protocell. *Lecture Notes in Computer Science*, **2011**, 248-255	0.9	0
76	A minimal model of metabolism-based chemotaxis. *PLoS Computational Biology*, **2010**, 6, e1001004	5	42
75	Modelling social interaction as perceptual crossing: an investigation into the dynamics of the interaction process. *Connection Science*, **2010**, 22, 43-68	2.8	80
74	A review on ripple-spreading genetic algorithms for combinatorial optimization problems **2010**,		2
73	Chapter 3 Overcoming Autopoiesis: An Enactive Detour on the Way from Life to Society. *Advanced Series in Management*, **2010**, 43-68	0.3	10
72	Can social interaction constitute social cognition?. *Trends in Cognitive Sciences*, **2010**, 14, 441-7	14	560

71	Spatial, temporal, and modulatory factors affecting GasNet evolvability in a visually guided robotics task. *Complexity*, **2010**, 16, 35-44	1.6	9
70	Spatial embedding and the structure of complex networks. *Complexity*, **2010**, 16, 20-28	1.6	18
69	Robotics Inspired in the Organism. *Intellectica*, **2010**, 53, 129-162	0.1	6
68	Horizons for the Enactive Mind: Values, Social Interaction, and Play **2010**, 32-87		85
67	A ripple-spreading Genetic Algorithm for the airport Gate Assignment Problem **2009**,		3
66	Defining Agency: Individuality, Normativity, Asymmetry, and Spatio-temporality in Action. *Adaptive Behavior*, **2009**, 17, 367-386	1.1	176
65	Sociality and the life□mind continuity thesis. *Phenomenology and the Cognitive Sciences*, **2009**, 8, 439-463	1.5	57
64	Extended Life. *Topoi*, **2009**, 28, 9-21	0.8	190
63	An efficient genetic algorithm with uniform crossover for air traffic control. *Computers and Operations Research*, **2009**, 36, 245-259	4.6	63
62	Integrating Autopoiesis and Behavior: An Exploration in Computational Chemo-ethology. *Adaptive Behavior*, **2009**, 17, 387-401	1.1	11
61	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
60	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
59	Binary-Representation-Based Genetic Algorithm for Aircraft Arrival Sequencing and Scheduling. *IEEE Transactions on Intelligent Transportation Systems*, **2008**, 9, 301-310	6.1	71
58	A comprehensive fuzz-rule-based self-adaptive genetic algorithm. *International Journal of Intelligent Computing and Cybernetics*, **2008**, 1, 94-109	2.2	4
57	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	
56	Environmental regulation can arise under minimal assumptions. *Journal of Theoretical Biology*, **2008** , 251, 653-66	2.3	19
55	How (not) to model autonomous behaviour. *BioSystems*, **2008**, 91, 409-23	1.9	37
54	A Genetic Algorithm Based on Complex Networks Theory for the Management of Airline Route Networks. *Studies in Computational Intelligence*, **2008**, 495-505	0.8	

53	A Hybrid Genetic Algorithm for the Travelling Salesman Problem. *Studies in Computational Intelligence*, **2008**, 357-367	0.8	1
52	Neural Noise Induces the Evolution of Robust Behaviour by Avoiding Non-functional Bifurcations. *Lecture Notes in Computer Science*, **2008**, 32-41	0.9	0
51	Extended Homeostatic Adaptation: Improving the Link between Internal and Behavioural Stability. *Lecture Notes in Computer Science*, **2008**, 1-11	0.9	6
50	Monostable Controllers for Adaptive Behaviour. *Lecture Notes in Computer Science*, **2008**, 103-112	0.9	7
49	Stability of Coordination Requires Mutuality of Interaction in a Model of Embodied Agents. *Lecture Notes in Computer Science*, **2008**, 52-61	0.9	8
48	Embodiment and Perceptual Crossing in 2D. *Lecture Notes in Computer Science*, **2008**, 83-92	0.9	1
47	Genetic Algorithms for the Airport Gate Assignment: Linkage, Representation and Uniform Crossover. *Studies in Computational Intelligence*, **2008**, 361-387	0.8	2
46	Participatory sense-making. *Phenomenology and the Cognitive Sciences*, **2007**, 6, 485-507	1.5	800
45	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
44	Spatially embedded random networks. *Physical Review E*, **2007**, 76, 056115	2.4	38
43	Toward Spinozist Robotics: Exploring the Minimal Dynamics of Behavioral Preference. *Adaptive Behavior*, **2007**, 15, 359-376	1.1	34
42	Multiairport Capacity Management: Genetic Algorithm With Receding Horizon. *IEEE Transactions on Intelligent Transportation Systems*, **2007**, 8, 254-263	6.1	31
41	Neural Uncertainty and Sensorimotor Robustness. *Lecture Notes in Computer Science*, **2007**, 786-795	0.9	1
40	Adaptation to Sensory Delays. *Lecture Notes in Computer Science*, **2007**, 193-202	0.9	1
39	New Models for Old Questions: Evolutionary Robotics and the A Not B Error. *Lecture Notes in Computer Science*, **2007**, 1141-1150	0.9	11
38	Increasing Complexity Can Increase Stability in a Self-Regulating Ecosystem. *Lecture Notes in Computer Science*, **2007**, 133-142	0.9	4
37	Adapting to Your Body. *Lecture Notes in Computer Science*, **2007**, 203-212	0.9	4
36	Minimal Agency Detection of Embodied Agents. *Lecture Notes in Computer Science*, **2007**, 485-494	0.9	16

35	Preliminary Investigations on the Evolvability of a Non spatial GasNet Model. *Lecture Notes in Computer Science*, **2007**, 966-975	0.9	7
34	The Advantages of Evolving Perceptual Cues. *Adaptive Behavior*, **2006**, 14, 147-156	1.1	10
33	Spatial effects favour the evolution of niche construction. *Theoretical Population Biology*, **2006**, 70, 387-400	1.0	72
32	Biological Actuators Are Not Just Springs. *Lecture Notes in Computer Science*, **2006**, 89-100	0.9	
31	Spatially Constrained Networks and the Evolution of Modular Control Systems. *Lecture Notes in Computer Science*, **2006**, 546-557	0.9	5
30	Evolving neural models of path integration. *Journal of Experimental Biology*, **2005**, 208, 3349-66	3	48
29	The contribution of active body movement to visual development in evolutionary robots. *Neural Networks*, **2005**, 18, 656-65	9.1	15
28	Autopoiesis, Adaptivity, Teleology, Agency. *Phenomenology and the Cognitive Sciences*, **2005**, 4, 429-452	1.5	348
27	Evolutionary robotics: a new scientific tool for studying cognition. *Artificial Life*, **2005**, 11, 79-98	1.4	163
26	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
25	Is an Embodied System Ever Purely Reactive?. *Lecture Notes in Computer Science*, **2005**, 252-261	0.9	6
24	t for Two Linear Synergy Advances the Evolution of Directional Pointing Behaviour. *Lecture Notes in Computer Science*, **2005**, 262-271	0.9	1
23	The Tango of a Load Balancing Biped **2005**, 813-823		1
22	Unbinding biological autonomy: Francisco Varela's contributions to artificial life. *Artificial Life*, **2004**, 10, 231-3	1.4	11
21	The circular topology of rhythm in asynchronous random Boolean networks. *BioSystems*, **2004**, 73, 141-52	1.9	11
20	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
19	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
18	Spike-Timing Dependent Plasticity for Evolved Robots. *Adaptive Behavior*, **2002**, 10, 243-263	1.1	29

17	Adaptive Factors in the Evolution of Signaling Systems **2002**, 53-77		4
16	Rhythmic and non-rhythmic attractors in asynchronous random Boolean networks. *BioSystems*, **2001**, 59, 185-95	1.9	35
15	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	
14	Artificial Life and Historical Processes. *Lecture Notes in Computer Science*, **2001**, 649-658	0.9	4
13	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
12	The Design of Animal Communication. *Adaptive Behavior*, **2000**, 8, 75-79	1.1	
11	Artificial life: discipline or method? Report on a debate held at ECAL '99. *Artificial Life*, **2000**, 6, 145-8	1.4	2
10	Behavioral Coordination, Structural Congruence and Entrainment in a Simulation of Acoustically Coupled Agents. *Adaptive Behavior*, **2000**, 8, 27-48	1.1	43
9	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
8	Behavioural Coordination in Acoustically Coupled Agents. *Perspectives in Neural Computing*, **1998**, 1097-1102		
7	An Investigation into the Evolution of Communication. *Adaptive Behavior*, **1997**, 6, 285-324	1.1	30
6	Constraints on body movement during visual development affect behavior of evolutionary robots		2
5	Laying down a forking path: Tensions between enaction and the free energy principle. *Philosophy and the Mind Sciences*,3,	1.5	3
4	The Enactive Approach		2
3	Enactive Ethics: Difference Becoming Participation. *Topoi*,1	0.8	3
2	Laying down a forking path: Incompatibilities between enaction and the free energy principle		3
1	Bridges and hobby-horses: John Stewart's adventure of ideas. *Adaptive Behavior*,105971232098821	1.1	1