Ezequiel Di Paolo

List of Publications by Year
in descending order

125 papers	6,787 citations	136950 32 h-index	76900 74 g-index
134 all docs	134 docs citations	134 times ranked	2873 citing authors

#	Article	IF	Citations
1	Participatory sense-making. Phenomenology and the Cognitive Sciences, 2007, 6, 485-507.	1.8	1,076
2	Can social interaction constitute social cognition?. Trends in Cognitive Sciences, 2010, 14, 441-447.	7.8	704
3	Autopoiesis, Adaptivity, Teleology, Agency. Phenomenology and the Cognitive Sciences, 2005, 4, 429-452.	1.8	481
4	Defining Agency: Individuality, Normativity, Asymmetry, and Spatio-temporality in Action. Adaptive Behavior, 2009, 17, 367-386.	1.9	267
5	Extended Life. Topoi, 2009, 28, 9-21.	1.3	267
6	The enactive approach. Pragmatics and Cognition, 2011, 19, 1-36.	0.4	231
7	Sensorimotor Life. , 2017, , .		219
8	The interactive brain hypothesis. Frontiers in Human Neuroscience, 2012, 6, 163.	2.0	216
9	Evolutionary Robotics: A New Scientific Tool for Studying Cognition. Artificial Life, 2005, 11, 79-98.	1.3	214
10	Horizons for the Enactive Mind: Values, Social Interaction, and Play. , 2010, , 32-87.		138
11	Sensitivity to social contingency or stability of interaction? Modelling the dynamics of perceptual crossing. New Ideas in Psychology, 2008, 26, 278-294.	1.9	132
12	Modelling social interaction as perceptual crossing: an investigation into the dynamics of the interaction process. Connection Science, 2010, 22, 43-68.	3.0	92
13	A genealogical map of the concept of habit. Frontiers in Human Neuroscience, 2014, 8, 522.	2.0	90
14	Binary-Representation-Based Genetic Algorithm for Aircraft Arrival Sequencing and Scheduling. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 301-310.	8.0	86
15	Spatial effects favour the evolution of niche construction. Theoretical Population Biology, 2006, 70, 387-400.	1.1	84
16	Enaction and Psychology. Review of General Psychology, 2013, 17, 203-209.	3.2	83
17	A Dynamical Systems Account of Sensorimotor Contingencies. Frontiers in Psychology, 2013, 4, 285.	2.1	83
18	From participatory sense-making to language: there and back again. Phenomenology and the Cognitive Sciences, 2015, 14, 1089-1125.	1.8	83

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19	Sociality and the life–mind continuity thesis. Phenomenology and the Cognitive Sciences, 2009, 8, 439-463.	1.8	74
20	An efficient genetic algorithm with uniform crossover for air traffic control. Computers and Operations Research, 2009, 36, 245-259.	4.0	73
21	The sense of agency – a phenomenological consequence of enacting sensorimotor schemes. Phenomenology and the Cognitive Sciences, 2017, 16, 207-236.	1.8	73
22	What does the interactive brain hypothesis mean for social neuroscience? A dialogue. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150379.	4.0	70
23	Sensorimotor agency. , 2017, , .		63
24	Enactive Ethics: Difference Becoming Participation. Topoi, 2022, 41, 241-256.	1.3	62
25	Evolving neural models of path integration. Journal of Experimental Biology, 2005, 208, 3349-3366.	1.7	59
26	Behavioral Coordination, Structural Congruence and Entrainment in a Simulation of Acoustically Coupled Agents. Adaptive Behavior, 2000, 8, 27-48.	1.9	56
27	How (not) to model autonomous behaviour. BioSystems, 2008, 91, 409-423.	2.0	52
28	A Minimal Model of Metabolism-Based Chemotaxis. PLoS Computational Biology, 2010, 6, e1001004.	3.2	52
29	Spatially embedded random networks. Physical Review E, 2007, 76, 056115.	2.1	50
30	An Investigation into the Evolution of Communication. Adaptive Behavior, 1997, 6, 285-324.	1.9	46
31	Toward Spinozist Robotics: Exploring the Minimal Dynamics of Behavioral Preference. Adaptive Behavior, 2007, 15, 359-376.	1.9	45
32	Rhythmic and non-rhythmic attractors in asynchronous random Boolean networks. BioSystems, 2001, 59, 185-195.	2.0	43
33	Deterministic Agent-Based Path Optimization by Mimicking the Spreading of Ripples. Evolutionary Computation, 2016, 24, 319-346.	3.0	42
34	Evolving spike-timing-dependent plasticity for single-trial learning in robots. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 2299-2319.	3.4	40
35	Enactive becoming. Phenomenology and the Cognitive Sciences, 2021, 20, 783-809.	1.8	39
36	Calculating Complete and Exact Pareto Front for Multiobjective Optimization: A New Deterministic Approach for Discrete Problems. IEEE Transactions on Cybernetics, 2013, 43, 1088-1101.	9.5	38

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37	Spike-Timing Dependent Plasticity for Evolved Robots. Adaptive Behavior, 2002, 10, 243-263.	1.9	33
38	Multiairport Capacity Management: Genetic Algorithm With Receding Horizon. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 254-263.	8.0	32
39	Learning to perceive in the sensorimotor approach: PiagetÃ¢â¬â„¢s theory of equilibration interpreted dynamically. Frontiers in Human Neuroscience, 2014, 8, 551.	2.0	32
40	A Ripple-Spreading Genetic Algorithm for the Aircraft Sequencing Problem. Evolutionary Computation, 2011, 19, 77-106.	3.0	30
41	Locked-in syndrome: a challenge for embodied cognitive science. Phenomenology and the Cognitive Sciences, 2015, 14, 517-542.	1.8	30
42	Editorial: The social and enactive mind. Phenomenology and the Cognitive Sciences, 2009, 8, 409-415.	1.8	29
43	Environmental regulation can arise under minimal assumptions. Journal of Theoretical Biology, 2008, 251, 653-666.	1.7	27
44	Application of Complex Network Theory and Genetic Algorithm in Airline Route Networks. Transportation Research Record, 2011, 2214, 50-58.	1.9	27
45	Behavioral Metabolution: The Adaptive and Evolutionary Potential of Metabolism-Based Chemotaxis. Artificial Life, 2011, 18, 1-25.	1.3	26
46	Spinal circuits can accommodate interaction torques during multijoint limb movements. Frontiers in Computational Neuroscience, 2014, 8, 144.	2.1	24
47	Spatial embedding and the structure of complex networks. Complexity, 2010, 16, 20-28.	1.6	21
48	Enactivism is not interactionism. Frontiers in Human Neuroscience, 2012, 6, 345.	2.0	21
49	An Efficient Genetic Algorithm with Uniform Crossover for the Multi-Objective Airport Gate Assignment Problem. Studies in Computational Intelligence, 2009, , 71-89.	0.9	21
50	The contribution of active body movement to visual development in evolutionary robots. Neural Networks, 2005, 18, 656-665.	5.9	20
51	Sensorimotor strategies for recognizing geometrical shapes: a comparative study with different sensory substitution devices. Frontiers in Psychology, 2015, 6, 679.	2.1	20
52	Toward an embodied science of intersubjectivity: widening the scope of social understanding research. Frontiers in Psychology, 2015, 6, 234.	2.1	20
53	Minimal Agency Detection of Embodied Agents. Lecture Notes in Computer Science, 2007, , 485-494.	1.3	20
54	Laying down a forking path: Tensions between enaction and the free energy principle. Philosophy and the Mind Sciences, 0, 3, .	1.3	20

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55	Spatial, temporal, and modulatory factors affecting GasNet evolvability in a visually guided robotics task. Complexity, 2010, 16, 35-44.	1.6	18
56	Embodiment in online psychotherapy: A qualitative study. Psychology and Psychotherapy: Theory, Research and Practice, 2022, 95, 191-211.	2.5	18
57	Stability of Coordination Requires Mutuality of Interaction in a Model of Embodied Agents. Lecture Notes in Computer Science, 2008, , 52-61.	1.3	17
58	Integrating Autopoiesis and Behavior: An Exploration in Computational Chemo-ethology. Adaptive Behavior, 2009, 17, 387-401.	1.9	16
59	Deterministic ripple-spreading model for complex networks. Physical Review E, 2011, 83, 046123.	2.1	16
60	Ecological Symmetry Breaking can Favour the Evolution of Altruism in an Action-response Game. Journal of Theoretical Biology, 2000, 203, 135-152.	1.7	15
61	Unbinding Biological Autonomy: Francisco Varela's Contributions to Artificial Life. Artificial Life, 2004, 10, 231-233.	1.3	15
62	Chapter 3 Overcoming Autopoiesis: An Enactive Detour on the Way from Life to Society. Advanced Series in Management, 2010, , 43-68.	1.2	14
63	Embodied Coordination and Psychotherapeutic Outcome: Beyond Direct Mappings. Frontiers in Psychology, 2018, 9, 1257.	2.1	14
64	Process and Individuation: The Development of Sensorimotor Agency. Human Development, 2019, 63, 202-226.	2.0	14
65	Placebo From an Enactive Perspective. Frontiers in Psychology, 2021, 12, 660118.	2.1	14
66	New Models for Old Questions: Evolutionary Robotics and the â€˜A Not Bâ€™ Error. Lecture Notes in Computer Science, 2007, , 1141-1150.	1.3	13
67	Toward Minimally Social Behavior: Social Psychology Meets Evolutionary Robotics. Lecture Notes in Computer Science, 2011, , 426-433.	1.3	12
68	The circular topology of rhythm in asynchronous random Boolean networks. BioSystems, 2004, 73, 141-152.	2.0	11
69	The Advantages of Evolving Perceptual Cues. Adaptive Behavior, 2006, 14, 147-156.	1.9	11
70	Preliminary Investigations on the Evolvability of aÂNon spatial GasNet Model. Lecture Notes in Computer Science, 2007, , 966-975.	1.3	10
71	A Ripple-Spreading Algorithm for the k Shortest Paths Problem. , 2012, , .		9
72	The worldly constituents of perceptual presence. Frontiers in Psychology, 2014, 5, 450.	2.1	9

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73	Is an Embodied System Ever Purely Reactive?. Lecture Notes in Computer Science, 2005, , 252-261.	1.3	9
74	Monostable Controllers for Adaptive Behaviour. Lecture Notes in Computer Science, 2008, , 103-112.	1.3	9
75	One step forward, two steps back â€" not the Tango: comment on Gallotti and Frith. Trends in Cognitive Sciences, 2013, 17, 303-304.	7.8	8
76	Integrated information in the thermodynamic limit. Neural Networks, 2019, 114, 136-146.	5.9	8
77	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.	1.3	8
78	Extended Homeostatic Adaptation: Improving the Link between Internal and Behavioural Stability. Lecture Notes in Computer Science, 2008, , 1-11.	1.3	8
79	A ripple-spreading algorithm for route optimization. , 2013, , .		7
80	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.	6.1	7
81	Spatially Constrained Networks and the Evolution of Modular Control Systems. Lecture Notes in Computer Science, 2006, , 546-557.	1.3	6
82	Artificial Life and Historical Processes. Lecture Notes in Computer Science, 2001, , 649-658.	1.3	6
83	Adapting to Your Body. Lecture Notes in Computer Science, 2007, , 203-212.	1.3	6
84	A comprehensive fuzzâ€rbuleâ€based selfâ€adaptive genetic algorithm. International Journal of Intelligent Computing and Cybernetics, 2008, 1, 94-109.	2.7	5
85	A ripple-spreading Genetic Algorithm for the airport Gate Assignment Problem. , 2009, , .		5
86	The Enactive Approach. , 0, , .		5
87	A review on ripple-spreading genetic algorithms for combinatorial optimization problems. , 2010, , .		4
88	A ripple-spreading algorithm to calculate the k best solutions to the project time management problem. , 2013, , .		4
89	Comment: How Your Own Becoming Feels. Emotion Review, 2020, 12, 229-230.	3.4	4
90	Picturing Organisms and Their Environments: Interaction, Transaction, and Constitution Loops. Frontiers in Psychology, 2020, 11, 1912.	2.1	4

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91	Learning to find spatially reversed sounds. Scientific Reports, 2020, 10, 4562.	3.3	4
92	Adaptive Factors in the Evolution of Signaling Systems. , 2002, , 53-77.		4
93	Non-representational Sensorimotor Knowledge. Lecture Notes in Computer Science, 2014, , 21-31.	1.3	4
94	Increasing Complexity Can Increase Stability inÂa Self-Regulating Ecosystem. Lecture Notes in Computer Science, 2007, , 133-142.	1.3	4
95	Neural Uncertainty and Sensorimotor Robustness. Lecture Notes in Computer Science, 2007, , 786-795.	1.3	4
96	Neural Noise Induces the Evolution of Robust Behaviour by Avoiding Non-functional Bifurcations. Lecture Notes in Computer Science, 2008, , 32-41.	1.3	4
97	Chemo-ethology of an Adaptive Protocell. Lecture Notes in Computer Science, 2011, , 248-255.	1.3	4
98	Unreliable Gut Feelings Can Lead to Correct Decisions: The Somatic Marker Hypothesis in Non-Linear Decision Chains. Frontiers in Psychology, 2012, 3, 384.	2.1	3
99	Rediscovering Richard Held: Activity and Passivity in Perceptual Learning. Frontiers in Psychology, 2020, 11, 844.	2.1	3
100	Letting language be: reflections on enactive method. Filosofia Unisinos, 2021, 22, 117-124.	0.1	3
101	Genetic Algorithms for the Airport Gate Assignment: Linkage, Representation and Uniform Crossover. Studies in Computational Intelligence, 2008, , 361-387.	0.9	3
102	From the Inside Looking Out: Self Extinguishing Perceptual Cues and the Constructed Worlds of Animats. Lecture Notes in Computer Science, 2005, , 11-20.	1.3	3
103	On symptom perception, placebo effects, and the Bayesian brain. Pain, 2022, 163, e604-e604.	4.2	3
104	Artificial Life: Discipline or Method? Report on a Debate Held at ECAL '99. Artificial Life, 2000, 6, 145-148.	1.3	2
105	Constraints on body movement during visual development affect behavior of evolutionary robots. , 0, , .		2
106	Gilbert Simondon and the enactive conception of life and mind. , 2016, , .		2
107	Adaptation to Sensory Delays. Lecture Notes in Computer Science, 2007, , 193-202.	1.3	2
108	A Hybrid Genetic Algorithm for the Travelling Salesman Problem. Studies in Computational Intelligence, 2008, , 357-367.	0.9	2

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109	A Test Run of the Free Energy Principle: All for naught?. Physics of Life Reviews, 2022, 41, 61-63.	2.8	2
110	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.	1.3	1
111	Reconstructing the Cognitive World: The Next Step. Michael Wheeler. (2005, MIT Press.) ISBN 0-262-23240-5, 432 pages. $35.00/Â£22.95. Artificial Life, 2007, 13, 203-206.	1.3	1
112	Why do we build the wall?. Adaptive Behavior, 2020, 28, 37-38.	1.9	1
113	Bridges and hobby-horses: John Stewartâ€™s adventure of ideas. Adaptive Behavior, 2021, 29, 437-440.	1.9	1
114	t for Two Linear Synergy Advances the Evolution of Directional Pointing Behaviour. Lecture Notes in Computer Science, 2005, , 262-271.	1.3	1
115	Embodiment and Perceptual Crossing in 2D. Lecture Notes in Computer Science, 2008, , 83-92.	1.3	1
116	A Genetic Algorithm Based on Complex Networks Theory for the Management of Airline Route Networks. Studies in Computational Intelligence, 2008, , 495-505.	0.9	1
117	Integrated Information and Autonomy in the Thermodynamic Limit. , 2018, , .		1
118	The Design of Animal Communication. Adaptive Behavior, 2000, 8, 75-79.	1.9	0
119	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.	2.7	0
120	Regarding Compass Response Functions For Modeling Path Integration: Comment on â€œEvolving a Neural Model of Insect Path Integrationâ€. Adaptive Behavior, 2008, 16, 275-276.	1.9	0
121	A simulation study on air traffic control strategies. , 2016, , .		0
122	Biological Actuators Are Not Just Springs. Lecture Notes in Computer Science, 2006, , 89-100.	1.3	0
123	Local Ultrastability in a Real System Based on Programmable Springs. Lecture Notes in Computer Science, 2011, , 91-98.	1.3	0
124	Behavioural Coordination in Acoustically Coupled Agents. Perspectives in Neural Computing, 1998, , 1097-1102.	0.1	0
125	Listening to a world transformed: Perception in an inverted acoustic field.. , 2016, , .		0