

# Alan Dorin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

585  
citations

15  
h-index

21  
g-index

64  
ext. papers

787  
ext. citations

2.2  
avg. IF

4.26  
L-index

#	Paper	IF	Citations
56	Floral colours in a world without birds and bees: the plants of Macquarie Island. <i>Plant Biology</i> , <b>2016</b> , 18, 842-50	3.7	39
55	Promoting Creative Design in Interactive Evolutionary Computation. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2012</b> , 16, 523-536	15.6	39
54	Synthetic Population Dynamics: A Model of Household Demography. <i>Jasss</i> , <b>2013</b> , 16,	4.8	36
53	Why background colour matters to bees and flowers. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>2017</b> , 203, 369-380	2.3	35
52	Mapping species distributions with social media geo-tagged images: Case studies of bees and flowering plants in Australia. <i>Ecological Informatics</i> , <b>2017</b> , 39, 23-31	4.2	35
51	Flower colours through the lens: quantitative measurement with visible and ultraviolet digital photography. <i>PLoS ONE</i> , <b>2014</b> , 9, e96646	3.7	31
50	Pollination in a new climate: Assessing the potential influence of flower temperature variation on insect pollinator behaviour. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200549	3.7	29
49	Bee reverse-learning behavior and intra-colony differences: Simulations based on behavioral experiments reveal benefits of diversity. <i>Ecological Modelling</i> , <b>2014</b> , 277, 119-131	3	28
48	Assessing the ecological significance of bee visual detection and colour discrimination on the evolution of flower colours. <i>Evolutionary Ecology</i> , <b>2017</b> , 31, 153-172	1.8	25
47	Colour evolution within orchids depends on whether the pollinator is a bee or a fly. <i>Plant Biology</i> , <b>2019</b> , 21, 745-752	3.7	20
46	Ten Questions Concerning Generative Computer Art. <i>Leonardo</i> , <b>2014</b> , 47, 135-141	0.1	20
45	Evolution unbound: releasing the arrow of complexity. <i>Biology and Philosophy</i> , <b>2011</b> , 26, 317-338	1.7	20
44	Aesthetic Fitness and Artificial Evolution for the Selection of Imagery from the Mythical Infinite Library. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 659-668	0.9	18
43	Psychophysics of the hoverfly: categorical or continuous color discrimination?. <i>Environmental Epigenetics</i> , <b>2019</b> , 65, 483-492	2.4	16
42	Rewardlessness in orchids: how frequent and how rewardless?. <i>Plant Biology</i> , <b>2020</b> , 22, 555-561	3.7	15
41	Fluorescent Pan Traps Affect the Capture Rate of Insect Orders in Different Ways. <i>Insects</i> , <b>2019</b> , 10,	2.8	12
40	Tracking individual honeybees among wildflower clusters with computer vision-facilitated pollinator monitoring. <i>PLoS ONE</i> , <b>2021</b> , 16, e0239504	3.7	12

39	A-Bees See: A Simulation to Assess Social Bee Visual Attention During Complex Search Tasks		11
38	The Virtual Ecosystem as Generative Electronic Art. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 467-476	0.9	11
37	The practice of agent-based model visualization. <i>Artificial Life</i> , <b>2014</b> , 20, 271-89	1.4	10
36	Generative processes and the electronic arts. <i>Organised Sound</i> , <b>2001</b> , 6, 47-53	0.6	10
35	A survey of dynamic parameter setting methods for nature-inspired swarm intelligence algorithms. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 567-588	4.8	10
34	A framework for understanding generative art. <i>Digital Creativity</i> , <b>2012</b> , 23, 239-259	0.5	9
33	Artificial Life, Death and Epidemics in Evolutionary, Generative Electronic Art. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 448-457	0.9	9
32	A Survey of Virtual Ecosystems in Generative Electronic Art <b>2008</b> , 289-309		8
31	Building Virtual Ecosystems from Artificial Chemistry <b>2007</b> , 103-112		8
30	An Empirical Exploration of a Definition of Creative Novelty for Generative Art. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1-10	0.9	8
29	Chance and complexity <b>2013</b> ,		6
28	Evolutionary automated recognition and characterization of an individual's artistic style <b>2010</b> ,		6
27	Filterscape: Energy Recycling in a Creative Ecosystem. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 508-517	0.9	5
26	Manipulating Artificial Ecosystems. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 392-401	0.9	4
25	Automated calculation of spectral-reflectance marker-points to enable analysis of plant colour-signalling to pollinators. <i>MethodsX</i> , <b>2020</b> , 7, 100827	1.9	3
24	Artifact & artifice: views on life. <i>Artificial Life</i> , <b>2003</b> , 9, 79-87	1.4	3
23	Introduction: First Iteration of a Conference on Generative Systems in the Electronic Arts. <i>Leonardo</i> , <b>2001</b> , 34, 239-242	0.1	3
22	A New Definition of Creativity. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 11-21	0.9	3

21	A Bayesian Approach to the Validation of Agent-Based Models. <i>Intelligent Systems Reference Library</i> , <b>2013</b> , 255-269	0.8	3
20	Simulation-governed design and tuning of greenhouses for successful bee pollination <b>2018</b> ,		3
19	An interactive electronic art system based on artificial ecosystemics <b>2011</b> ,		2
18	Building artificial life for play. <i>Artificial Life</i> , <b>2004</b> , 10, 99-112	1.4	2
17	Omnigram Explorer: A Simple Interactive Tool for the Initial Exploration of Complex Systems		2
16	Creativity Refined: Bypassing the Gatekeepers of Appropriateness and Value <b>2012</b> , 339-360		2
15	Averting robo-bees: why free-flying robotic bees are a bad idea. <i>Emerging Topics in Life Sciences</i> , <b>2019</b> , 3, 723-729	3.5	2
14	Insects in the City: Does Remnant Native Habitat Influence Insect Order Distributions?. <i>Diversity</i> , <b>2021</b> , 13, 148	2.5	2
13	Artificial Life Art, Creativity, and Techno-hybridization (editor's introduction). <i>Artificial Life</i> , <b>2015</b> , 21, 261-70	1.4	1
12	On wonder and betrayal: creating artificial life software to meet aesthetic goalsaland@csse.monash.edu.au. <i>Kybernetes</i> , <b>2003</b> , 32, 131-143	2	1
11	Physically Based, Self-Organized Cellular Automata. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 74-87	0.9	1
10	A Co-evolutionary Epidemiological Model for Artificial Life and Death. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 775-784	0.9	1
9	Tracking individual honeybees among wildflower clusters with computer vision-facilitated pollinator monitoring		1
8	Habitat: Engineering in a Simulated Audible Ecosystem. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 488-497.	0.9	1
7	Competition and pollen wars: simulations reveal the dynamics of competition mediated through heterospecific pollen transfer by non-flower constant insects. <i>Theoretical Ecology</i> , <b>2021</b> , 14, 207-218	1.6	1
6	Computer vision-enhanced selection of geo-tagged photos on social network sites for land cover classification. <i>Environmental Modelling and Software</i> , <b>2020</b> , 128, 104696	5.2	0
5	Metacreation: Art and Artificial Life. Mitchell Whitelaw. (2004, MIT Press.) 281 pages.. <i>Artificial Life</i> , <b>2006</b> , 12, 635-637	1.4	0
4	Enriching Aesthetics with Artificial Life <b>2014</b> , 323-335		0

- 3 Enriching Aesthetics with Artificial Life **2009**, 415-431 ○
- 2 Towards precision apiculture: Traditional and technological insect monitoring methods in strawberry and raspberry crop polytunnels tell different pollination stories. *PLoS ONE*, **2021**, 16, e0251577 ○
- 1 Molecular dynamics extended for fluctuating networks: application to water. *Journal of Computational Chemistry*, **2012**, 33, 1364-73 3·5