

Dirk V Arnold

List of Publications by Year in descending order

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58
papers

1,033
citations

567144

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610775

24
g-index

64
all docs

64
docs citations

64
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution Strategies. , 2015, , 871-898.		92
2	A Comparison of Evolution Strategies with Other Direct Search Methods in the Presence of Noise. Computational Optimization and Applications, 2003, 24, 135-159.	0.9	79
3	A (1+1)-CMA-ES for constrained optimisation. , 2012, , .		64
4	Mirrored Sampling and Sequential Selection for Evolution Strategies. , 2010, , 11-21.		42
5	Weighted multirecombination evolution strategies. Theoretical Computer Science, 2006, 361, 18-37.	0.5	41
6	Local Performance of the $(\hat{1}/4/\hat{1}/4l, \hat{1})$ -ES in a Noisy Environment. , 2001, , 127-141.		33
7	Qualms Regarding the Optimality of Cumulative Path Length Control in CSA/CMA-Evolution Strategies. Evolutionary Computation, 2003, 11, 19-28.	2.3	33
8	Evolutionary Gradient Search Revisited. IEEE Transactions on Evolutionary Computation, 2007, 11, 480-495.	7.5	33
9	Performance analysis of evolution strategies with multi-recombination in high-dimensional RN-search spaces disturbed by noise. Theoretical Computer Science, 2002, 289, 629-647.	0.5	32
10	Optimal Weighted Recombination. Lecture Notes in Computer Science, 2005, , 215-237.	1.0	32
11	Active covariance matrix adaptation for the (1+1)-CMA-ES. , 2010, , .		31
12	Optimum Tracking with Evolution Strategies. Evolutionary Computation, 2006, 14, 291-308.	2.3	27
13	On the Benefits of Populations for Noisy Optimization. Evolutionary Computation, 2003, 11, 111-127.	2.3	26
14	Random Dynamics Optimum Tracking with Evolution Strategies. Lecture Notes in Computer Science, 2002, , 3-12.	1.0	22
15	Step Length Adaptation on Ridge Functions. Evolutionary Computation, 2008, 16, 151-184.	2.3	20
16	A New Approach for Predicting the Final Outcome of Evolution Strategy Optimization Under Noise. Genetic Programming and Evolvable Machines, 2005, 6, 7-24.	1.5	17
17	Towards an Augmented Lagrangian Constraint Handling Approach for the (1+1)-ES. , 2015, , .		17
18	Efficiency and Mutation Strength Adaptation of the $(\hat{1}/4/\hat{1}/4l, \hat{1})$ -ES in a Noisy Environment. Lecture Notes in Computer Science, 2000, , 39-48.	1.0	17

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19	Evolution strategies with cumulative step length adaptation on the noisy parabolic ridge. <i>Natural Computing</i> , 2008, 7, 555-587.	1.8	16
20	Analysis of a repair mechanism for the $(1, \lambda)$ -ES applied to a simple constrained problem. , 2011, , .		16
21	On the behaviour of the $(1, \lambda)$ -es for a simple constrained problem. , 2011, , .		15
22	Syntactic systematicity arising from semantic predictions in a Hebbian-competitive network. <i>Connection Science</i> , 2001, 13, 73-94.	1.8	14
23	Comparison of Constraint-Handling Mechanisms for the $(1, \lambda)$ -ES on a Simple Constrained Problem. <i>Evolutionary Computation</i> , 2016, 24, 1-23.	2.3	14
24	Hierarchically organised evolution strategies on the parabolic ridge. , 2006, , .		12
25	On the use of evolution strategies for optimising certain positive definite quadratic forms. , 2007, , .		12
26	Interactive text document clustering using feature labeling. , 2013, , .		12
27	Resampling versus Repair in Evolution Strategies Applied to a Constrained Linear Problem. <i>Evolutionary Computation</i> , 2013, 21, 389-411.	2.3	9
28	Automated parameter tuning for tone mapping using visual saliency. <i>Computers and Graphics</i> , 2015, 52, 171-180.	1.4	9
29	Reconsidering constraint release for active-set evolution strategies. , 2017, , .		9
30	On the Effects of Outliers on Evolutionary Optimization. <i>Lecture Notes in Computer Science</i> , 2003, , 151-160.	1.0	9
31	A surrogate model assisted $(1+1)$ -ES with increased exploitation of the model. , 2019, , .		8
32	The Steady State Behavior of $(\frac{1}{4} \frac{1}{4} , \lambda)$ -ES on Ellipsoidal Fitness Models Disturbed by Noise. <i>Lecture Notes in Computer Science</i> , 2003, , 525-536.	1.0	8
33	Tone mapping by interactive evolution. , 2009, , .		7
34	On the Behaviour of Evolution Strategies Optimising Cigar Functions. <i>Evolutionary Computation</i> , 2010, 18, 661-682.	2.3	7
35	On the Behaviour of the $(1, \lambda)$ -ES for Conically Constrained Linear Problems. <i>Evolutionary Computation</i> , 2014, 22, 503-523.	2.3	7
36	An evolutionary subspace clustering algorithm for high-dimensional data. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
37	On the behaviour of the $(1, \hat{\mu})$ -es for a conically constrained problem. , 2013, , .		6
38	Design of a Surrogate Model Assisted $(1\hat{A}+1\hat{A})$ -ES. Lecture Notes in Computer Science, 2018, , 16-28.	1.0	6
39	Virtual photograph based saliency analysis of high dynamic range images. , 2013, , .		5
40	An Active-Set Evolution Strategy for Optimization with Known Constraints. Lecture Notes in Computer Science, 2016, , 192-202.	1.0	5
41	Expected sample moments of concomitants of selected order statistics. Statistics and Computing, 2005, 15, 241-250.	0.8	4
42	On the behaviour of weighted multi-recombination evolution strategies optimising noisy cigar functions. , 2009, , .		4
43	Multi-Band Fourier Synthesis of Ocean Waves. Journal of Graphics Tools, 2012, 16, 57-70.	0.3	4
44	Advected river textures. Computer Animation and Virtual Worlds, 2009, 20, 163-173.	0.7	3
45	Saliency-based parameter tuning for tone mapping. , 2014, , .		3
46	The Evolutionary-Gradient-Search Procedure in Theory and Practice. Studies in Computational Intelligence, 2009, , 77-101.	0.7	3
47	Cumulative Step Length Adaptation on Ridge Functions. Lecture Notes in Computer Science, 2006, , 11-20.	1.0	3
48	A novel approach to adaptive isolation in evolution strategies. , 2009, , .		2
49	Automatic blended tone mapping through evolutionary optimization. , 2016, , .		2
50	Simple Surrogate Model Assisted Optimization with Covariance Matrix Adaptation. Lecture Notes in Computer Science, 2020, , 184-197.	1.0	2
51	An evolutionary algorithm for Feature Selective Double Clustering of text documents. , 2013, , .		1
52	Projected Barzilai-Borwein Method with Infeasible Iterates for Nonnegative Least-Squares Image Deblurring. , 2014, , .		1
53	An evolutionary algorithm for depth image based camera pose estimation in indoor environments. , 2016, , .		1
54	Active Sets for Explicitly Constrained Evolutionary Optimization. Evolutionary Computation, 2022, 30, 531-553.	2.3	1

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55	An evolutionary spline fitting algorithm for identifying filamentous cyanobacteria. , 2013, , .		0
56	A Feature-Based Quality Metric for Tone Mapped Images. ACM Transactions on Applied Perception, 2017, 14, 1-11.	1.2	0
57	Analyzing the Behaviour of Multi-recombinative Evolution Strategies Applied to a Conically Constrained Problem. Infosys Science Foundation Series, 2015, , 181-204.	0.3	0
58	Evolutionary Optimization of Tone Mapped Image Quality Index. Lecture Notes in Computer Science, 2018, , 176-188.	1.0	0