

Dirk V Arnold

List of Publications by Year in descending order

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58
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24
g-index

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docs citations

64
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Active Sets for Explicitly Constrained Evolutionary Optimization. <i>Evolutionary Computation</i> , 2022, 30, 531-553.	2.3	1
2	Simple Surrogate Model Assisted Optimization with Covariance Matrix Adaptation. <i>Lecture Notes in Computer Science</i> , 2020, , 184-197.	1.0	2
3	A surrogate model assisted (1+1)-ES with increased exploitation of the model. , 2019, , .		8
4	Design of a Surrogate Model Assisted (1+1)-ES. <i>Lecture Notes in Computer Science</i> , 2018, , 16-28.	1.0	6
5	Evolutionary Optimization of Tone Mapped Image Quality Index. <i>Lecture Notes in Computer Science</i> , 2018, , 176-188.	1.0	0
6	A Feature-Based Quality Metric for Tone Mapped Images. <i>ACM Transactions on Applied Perception</i> , 2017, 14, 1-11.	1.2	0
7	Reconsidering constraint release for active-set evolution strategies. , 2017, , .		9
8	An evolutionary algorithm for depth image based camera pose estimation in indoor environments. , 2016, , .		1
9	Automatic blended tone mapping through evolutionary optimization. , 2016, , .		2
10	An Active-Set Evolution Strategy for Optimization with Known Constraints. <i>Lecture Notes in Computer Science</i> , 2016, , 192-202.	1.0	5
11	Comparison of Constraint-Handling Mechanisms for the (1+1)-ES on a Simple Constrained Problem. <i>Evolutionary Computation</i> , 2016, 24, 1-23.	2.3	14
12	Automated parameter tuning for tone mapping using visual saliency. <i>Computers and Graphics</i> , 2015, 52, 171-180.	1.4	9
13	Towards an Augmented Lagrangian Constraint Handling Approach for the (1+1)-ES. , 2015, , .		17
14	Evolution Strategies. , 2015, , 871-898.		92
15	Analyzing the Behaviour of Multi-recombinative Evolution Strategies Applied to a Conically Constrained Problem. <i>Infosys Science Foundation Series</i> , 2015, , 181-204.	0.3	0
16	Saliency-based parameter tuning for tone mapping. , 2014, , .		3
17	On the Behaviour of the (1+1)-ES for Conically Constrained Linear Problems. <i>Evolutionary Computation</i> , 2014, 22, 503-523.	2.3	7
18	Projected Barzilai-Borwein Method with Infeasible Iterates for Nonnegative Least-Squares Image Deblurring. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	An evolutionary algorithm for Feature Selective Double Clustering of text documents. , 2013, , .		1
20	On the behaviour of the $(1, \hat{\lambda})$ -es for a conically constrained problem. , 2013, , .		6
21	Interactive text document clustering using feature labeling. , 2013, , .		12
22	Resampling versus Repair in Evolution Strategies Applied to a Constrained Linear Problem. Evolutionary Computation, 2013, 21, 389-411.	2.3	9
23	An evolutionary spline fitting algorithm for identifying filamentous cyanobacteria. , 2013, , .		0
24	Virtual photograph based saliency analysis of high dynamic range images. , 2013, , .		5
25	A $(1+1)$ -CMA-ES for constrained optimisation. , 2012, , .		64
26	An evolutionary subspace clustering algorithm for high-dimensional data. , 2012, , .		6
27	Multi-Band Fourier Synthesis of Ocean Waves. Journal of Graphics Tools, 2012, 16, 57-70.	0.3	4
28	On the behaviour of the $(1, \hat{\lambda})$ -es for a simple constrained problem. , 2011, , .		15
29	Analysis of a repair mechanism for the $(1, \hat{\lambda})$ -ES applied to a simple constrained problem. , 2011, , .		16
30	On the Behaviour of Evolution Strategies Optimising Cigar Functions. Evolutionary Computation, 2010, 18, 661-682.	2.3	7
31	Active covariance matrix adaptation for the $(1+1)$ -CMA-ES. , 2010, , .		31
32	Mirrored Sampling and Sequential Selection for Evolution Strategies. , 2010, , 11-21.		42
33	A novel approach to adaptive isolation in evolution strategies. , 2009, , .		2
34	Tone mapping by interactive evolution. , 2009, , .		7
35	On the behaviour of weighted multi-recombination evolution strategies optimising noisy cigar functions. , 2009, , .		4
36	Advected river textures. Computer Animation and Virtual Worlds, 2009, 20, 163-173.	0.7	3

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37	The Evolutionary-Gradient-Search Procedure in Theory and Practice. <i>Studies in Computational Intelligence</i> , 2009, , 77-101.	0.7	3
38	Evolution strategies with cumulative step length adaptation on the noisy parabolic ridge. <i>Natural Computing</i> , 2008, 7, 555-587.	1.8	16
39	Step Length Adaptation on Ridge Functions. <i>Evolutionary Computation</i> , 2008, 16, 151-184.	2.3	20
40	On the use of evolution strategies for optimising certain positive definite quadratic forms. , 2007, , .		12
41	Evolutionary Gradient Search Revisited. <i>IEEE Transactions on Evolutionary Computation</i> , 2007, 11, 480-495.	7.5	33
42	Weighted multirecombination evolution strategies. <i>Theoretical Computer Science</i> , 2006, 361, 18-37.	0.5	41
43	Optimum Tracking with Evolution Strategies. <i>Evolutionary Computation</i> , 2006, 14, 291-308.	2.3	27
44	Hierarchically organised evolution strategies on the parabolic ridge. , 2006, , .		12
45	Cumulative Step Length Adaptation on Ridge Functions. <i>Lecture Notes in Computer Science</i> , 2006, , 11-20.	1.0	3
46	Optimal Weighted Recombination. <i>Lecture Notes in Computer Science</i> , 2005, , 215-237.	1.0	32
47	Expected sample moments of concomitants of selected order statistics. <i>Statistics and Computing</i> , 2005, 15, 241-250.	0.8	4
48	A New Approach for Predicting the Final Outcome of Evolution Strategy Optimization Under Noise. <i>Genetic Programming and Evolvable Machines</i> , 2005, 6, 7-24.	1.5	17
49	A Comparison of Evolution Strategies with Other Direct Search Methods in the Presence of Noise. <i>Computational Optimization and Applications</i> , 2003, 24, 135-159.	0.9	79
50	Qualms Regarding the Optimality of Cumulative Path Length Control in CSA/CMA-Evolution Strategies. <i>Evolutionary Computation</i> , 2003, 11, 19-28.	2.3	33
51	On the Benefits of Populations for Noisy Optimization. <i>Evolutionary Computation</i> , 2003, 11, 111-127.	2.3	26
52	The Steady State Behavior of $(\hat{1}/4/\hat{1}/4 \text{ l}, \hat{1})$ -ES on Ellipsoidal Fitness Models Disturbed by Noise. <i>Lecture Notes in Computer Science</i> , 2003, , 525-536.	1.0	8
53	On the Effects of Outliers on Evolutionary Optimization. <i>Lecture Notes in Computer Science</i> , 2003, , 151-160.	1.0	9
54	Performance analysis of evolution strategies with multi-recombination in high-dimensional RN-search spaces disturbed by noise. <i>Theoretical Computer Science</i> , 2002, 289, 629-647.	0.5	32

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55	Random Dynamics Optimum Tracking with Evolution Strategies. Lecture Notes in Computer Science, 2002, , 3-12.	1.0	22
56	Local Performance of the $(\hat{1}/4/\hat{1}/4, \hat{1})$ -ES in a Noisy Environment. , 2001, , 127-141.		33
57	Syntactic systematicity arising from semantic predictions in a Hebbian-competitive network. Connection Science, 2001, 13, 73-94.	1.8	14
58	Efficiency and Mutation Strength Adaptation of the $(\hat{1}/4/\hat{1}/4, \hat{1})$ -ES in a Noisy Environment. Lecture Notes in Computer Science, 2000, , 39-48.	1.0	17