Maciej SmoÅ,ka

List of Publications by Year
in descending order

40 papers	257 citations	933447 10 h-index	996975 15 g-index
41 all docs	41 docs citations	41 times ranked	125 citing authors

#	Article	IF	Citations
1	An Existence Theorem for Wave-Type Hyperbolic Hemivariational Inequalities. Mathematische Nachrichten, 2002, 242, 79-90.	0.8	24
2	A hybrid method for inversion of 3D DC resistivity logging measurements. Natural Computing, 2015, 14, 355-374.	3.0	22
3	A hybrid algorithm for solving inverse problems in elasticity. International Journal of Applied Mathematics and Computer Science, 2014, 24, 865-886.	1.5	19
4	An agent-oriented hierarchic strategy for solving inverse problems. International Journal of Applied Mathematics and Computer Science, 2015, 25, 483-498.	1.5	19
5	Multiwinner Voting in Genetic Algorithms. IEEE Intelligent Systems, 2017, 32, 40-48.	4.0	18
6	Asymptotic guarantee of success for multi-agent memetic systems. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2013, 61, 257-278.	0.8	17
7	Stochastic Model of Evolutionary and Immunological Multi-Agent Systems: Parallel Execution of Local Actions. Fundamenta Informaticae, 2009, 95, 325-348.	0.4	14
8	An agent-based model of hierarchic genetic search. Computers and Mathematics With Applications, 2012, 64, 3763-3776.	2.7	14
9	A hybrid method for inversion of 3D AC resistivity logging measurements. Applied Soft Computing Journal, 2015, 36, 442-456.	7.2	13
10	The island model as a Markov dynamic system. International Journal of Applied Mathematics and Computer Science, 2012, 22, 971-984.	1.5	12
11	Existence of solutions for wave-type hemivariational inequalities with noncoercive viscosity damping. Journal of Mathematical Analysis and Applications, 2002, 270, 150-164.	1.0	9
12	Multi-objective Hierarchic Memetic Solver for Inverse Parametric Problems. Procedia Computer Science, 2015, 51, 974-983.	2.0	6
13	Approximating landscape insensitivity regions in solving ill-conditioned inverse problems. Memetic Computing, 2018, 10, 279-289.	4.0	6
14	Multiwinner Voting in Genetic Algorithms for Solving Ill-Posed Global Optimization Problems. Lecture Notes in Computer Science, 2016, , 409-424.	1.3	5
15	Memetic approach for irremediable ill-conditioned parametric inverse problems * *The work presented in this paper has been partially supported by Polish National Science Center grants no. DEC-2015/17/B/ST6/01867 and by the AGH statutory research grant no. 11.11.230.124.. Procedia Computer Science, 2017, 108, 867-876.	2.0	5
16	A multi-objective memetic inverse solver reinforced by local optimization methods. Journal of Computational Science, 2017, 18, 85-94.	2.9	5
17	Evolutionary Multiobjective Optimization Algorithm as a Markov System. , 2010, , 617-626.		5
18	Scalability of Direct Solver for Non-stationary Cahn-Hilliard Simulations with Linearized time Integration Scheme. Procedia Computer Science, 2016, 80, 834-844.	2.0	4

#	Article	IF	Citations
19	Application of Î± -stable mutation in a hierarchic evolutionary inverse solver. Journal of Computational Science, 2016, 17, 261-269.	2.9	4
20	Differentiability of the objective in a class of coefficient inverse problems. Computers and Mathematics With Applications, 2017, 73, 2375-2387.	2.7	4
21	MISFIT LANDFORMS IMPOSED BY ILL-CONDITIONED INVERSE PARAMETRIC PROBLEMS. Computer Science, 2018, 19, 157.	0.6	4
22	A New Time Integration Scheme for Cahn-hilliard Equations. Procedia Computer Science, 2015, 51, 1003-1012.	2.0	3
23	Using Covariance Matrix Adaptation Evolutionary Strategy to boost the search accuracy in hierarchic memetic computations. Journal of Computational Science, 2019, 34, 48-54.	2.9	3
24	Computing MAS Dynamics Considering the Background Load. Lecture Notes in Computer Science, 2006, , 799-806.	1.3	3
25	A Memetic Framework for Solving Difficult Inverse Problems. Lecture Notes in Computer Science, 2014, , 138-149.	1.3	3
26	Understanding measure-driven algorithms solving irreversibly ill-conditioned problems. Natural Computing, 2022, 21, 289-315.	3.0	2
27	Asymptotic Features Of Parallel Agent-Based Immunological System. , 2011, , .		2
28	Asymptotic Analysis of Computational Multi-Agent Systems. , 2010, , 475-484.		2
29	Local Misfit Approximation in Memetic Solving of Ill-Posed Inverse Problems. Lecture Notes in Computer Science, 2017, , 297-309.	1.3	2
30	Two-Phase Strategy Managing Insensitivity in Global Optimization. Lecture Notes in Computer Science, 2017, , 266-281.	1.3	1
31	On the Computational Cost and Complexity of Stochastic Inverse Solvers. Computer Science, 2016, 17, 225.	0.6	1
32	Task Hibernation in aÂFormal Model of Agent-Oriented Computing Systems. Lecture Notes in Computer Science, 2008, , 535-544.	1.3	1
33	Markov Chain Based Analysis of Agent-Based Immunological System. Lecture Notes in Computer Science, 2013, , 1-15.	1.3	1
34	Hierarchic Genetic Search with $$alpha $$-Stable Mutation. Lecture Notes in Computer Science, 2015, , 143-154.	1.3	1
35	Current Trends in Software Engineering Bachelor Theses. Computing and Informatics, 2021, 40, 930-956.	0.7	1
36	Application ofÂtheÂHierarchic Memetic Strategy HMS inÂNeuroevolution. Lecture Notes in Computer Science, 2022, , 422-429.	1.3	1

#	Article	IF	Citations
37	A Three-Level Linearized Time Integration Scheme for Tumor Simulations with Cahn-Hilliard Equations. Lecture Notes in Computer Science, 2021, , 173-185.	1.3	0
38	Effective Solution of Ill-Posed Inverse Problems with Stabilized Forward Solver. Lecture Notes in Computer Science, 2021, , 343-357.	1.3	0
39	A Framework for Observing Dynamics of Agent-Based Computations. Lecture Notes in Computer Science, 2010, , 250-259.	1.3	0
40	Asymptotic behaviour of optimal solutions of control problems governed by inclusions. Discrete and Continuous Dynamical Systems, 1998, 4, 641-652.	0.9	0