

Peter M A Sloot

List of Publications by Year in descending order

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Version: 2024-02-01

165
papers

3,677
citations

136740

32
h-index

189595

50
g-index

183
all docs

183
docs citations

183
times ranked

4326
citing authors

#	ARTICLE	IF	CITATIONS
1	Refining the causal loop diagram: A tutorial for maximizing the contribution of domain expertise in computational system dynamics modeling.. Psychological Methods, 2024, 29, 169-201.	2.7	14
2	Promises and pitfalls of computational modelling for insurgency conflicts. Journal of Defense Modeling and Simulation, 2023, 20, 333-350.	1.2	0
3	No robust relation between larger cities and depression. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
4	Dynamic importance of network nodes is poorly predicted by static structural features. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126889.	1.2	4
5	Behavioural thermal regulation explains pedestrian path choices in hot urban environments. Scientific Reports, 2022, 12, 2441.	1.6	13
6	The Future of Burn Care From a Complexity Science Perspective. Journal of Burn Care and Research, 2022, 43, 1312-1321.	0.2	6
7	State-space models reveal bursty movement behaviour of dance event visitors. EPJ Data Science, 2021, 10, .	1.5	2
8	A unifying model to estimate the effect of heat stress in the human innate immunity during physical activities. Scientific Reports, 2021, 11, 16688.	1.6	10
9	Advancing urban mental health research: from complexity science to actionable targets for intervention. Lancet Psychiatry, the, 2021, 8, 991-1000.	3.7	41
10	Inferring temporal dynamics from cross-sectional data using Langevin dynamics. Royal Society Open Science, 2021, 8, 211374.	1.1	1
11	Computational Science in the Interconnected World: Selected papers from 2019 International Conference on Computational Science. Journal of Computational Science, 2020, 47, 101222.	1.5	4
12	Convection and the Extracellular Matrix Dictate Inter- and Intra-Biofilm Quorum Sensing Communication in Environmental Systems. Environmental Science & Technology, 2020, 54, 6730-6740.	4.6	21
13	Social norms and obesity prevalence: From cohort to system dynamics models. Obesity Reviews, 2020, 21, e13044.	3.1	16
14	Questionnaire data analysis using information geometry. Scientific Reports, 2020, 10, 8633.	1.6	4
15	The impact of pace of life on pedestrian heat stress: A computational modelling approach.. Environmental Research, 2020, 186, 109397.	3.7	13
16	Detecting Critical Transitions in the Human Innate Immune System Post-cardiac Surgery. Lecture Notes in Computer Science, 2020, , 371-384.	1.0	1
17	Large-scale forecasting of information spreading. Journal of Big Data, 2020, 7, .	6.9	1
18	Medication management support in diabetes: a systematic assessment of diabetes self-management apps. BMC Medicine, 2019, 17, 127.	2.3	45

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19	Prediction and quantification of bacterial biofilm detachment using Glazierâ€“Granerâ€“Hogeweg method based model simulations. <i>Journal of Theoretical Biology</i> , 2019, 482, 109994.	0.8	0
20	Boolean network modeling of β -cell apoptosis and insulin resistance in type 2 diabetes mellitus. <i>BMC Systems Biology</i> , 2019, 13, 36.	3.0	12
21	A Smartphone App to Improve Medication Adherence in Patients With Type 2 Diabetes in Asia: Feasibility Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2019, 7, e14914.	1.8	49
22	Spatial segregation, inequality, and opportunity bias in the slums of Bengaluru. <i>Cities</i> , 2018, 74, 269-276.	2.7	20
23	Survey-based socio-economic data from slums in Bangalore, India. <i>Scientific Data</i> , 2018, 5, 170200.	2.4	35
24	Supplemented Alkaline Phosphatase Supports the Immune Response in Patients Undergoing Cardiac Surgery: Clinical and Computational Evidence. <i>Frontiers in Immunology</i> , 2018, 9, 2342.	2.2	24
25	Information Processing Features Can Detect Behavioral Regimes of Dynamical Systems. <i>Complexity</i> , 2018, 2018, 1-16.	0.9	6
26	System dynamics of human body thermal regulation in outdoor environments. <i>Building and Environment</i> , 2018, 143, 760-769.	3.0	15
27	A study on the dynamics of temporary HIV treatment to assess the controversial outcomes of clinical trials: An in-silico approach. <i>PLoS ONE</i> , 2018, 13, e0200892.	1.1	8
28	Understanding Malaria Induced Red Blood Cell Deformation Using Data-Driven Lattice Boltzmann Simulations. <i>Lecture Notes in Computer Science</i> , 2018, , 392-403.	1.0	2
29	Categorical and Geographical Separation in Science. <i>Scientific Reports</i> , 2018, 8, 8253.	1.6	5
30	Parallel Performance Analysis of Bacterial Biofilm Simulation Models. <i>Lecture Notes in Computer Science</i> , 2018, , 496-505.	1.0	5
31	eHealth in the future of medications management: personalisation, monitoring and adherence. <i>BMC Medicine</i> , 2017, 15, 73.	2.3	113
32	Modelling the impact of household life cycle on slums in Bangalore. <i>Computers, Environment and Urban Systems</i> , 2017, 64, 275-287.	3.3	14
33	Anomaly Detection in Clinical Data of Patients Undergoing Heart Surgery. <i>Procedia Computer Science</i> , 2017, 108, 99-108.	1.2	10
34	Models of Pedestrian Adaptive Behaviour in Hot Outdoor Public Spaces. <i>Procedia Computer Science</i> , 2017, 108, 185-194.	1.2	17
35	Quantifying Synergistic Information Using Intermediate Stochastic Variables. <i>Entropy</i> , 2017, 19, 85.	1.1	30
36	Information geometric analysis of phase transitions in complex patterns: the case of the Gray-Scott reactionâ€“diffusion model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 043301.	0.9	10

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37	Reproducibility of Two Innate Immune System Models. Communications in Computer and Information Science, 2016, , 501-514.	0.4	1
38	Immune System Model Calibration by Genetic Algorithm. Procedia Computer Science, 2016, 101, 161-171.	1.2	8
39	Nonparametric estimation of Fisher information from real data. Physical Review E, 2016, 93, 023301.	0.8	4
40	The influence of memory on indoor environment exploration: A numerical study. Behavior Research Methods, 2016, 48, 621-639.	2.3	5
41	Young Researchers Advancing Computational Science: Perspectives of the Young Scientists Conference 2015. Procedia Computer Science, 2015, 66, 1-4.	1.2	4
42	Data-driven Modeling of Transportation Systems and Traffic Data Analysis During a Major Power Outage in the Netherlands. Procedia Computer Science, 2015, 66, 336-345.	1.2	12
43	Topological Characterization of Complex Systems: Using Persistent Entropy. Entropy, 2015, 17, 6872-6892.	1.1	44
44	Numerical prediction of the IJkdijk trial embankment failure. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 158-171.	0.9	7
45	Russian-Dutch double-degree Master's programme in computational science in the age of global education. Journal of Computational Science, 2015, 10, 288-298.	1.5	23
46	From data to disruption. Digital Investigation, 2015, 15, 39-45.	3.2	10
47	Simulating city-level airborne infectious diseases. Computers, Environment and Urban Systems, 2015, 51, 97-105.	3.3	23
48	Combining Data-Driven Methods with Finite Element Analysis for Flood Early Warning Systems. Procedia Computer Science, 2015, 51, 2347-2356.	1.2	11
49	Complex agent networks: An emerging approach for modeling complex systems. Applied Soft Computing Journal, 2015, 37, 311-321.	4.1	22
50	Time-Frequency Methods for Structural Health Monitoring. Sensors, 2014, 14, 5147-5173.	2.1	29
51	Topology dependent epidemic spreading velocity in weighted networks. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P12020.	0.9	5
52	Dutch-Russian double degree master's program curricula in computational science and high performance computing. , 2014, , .		5
53	Quantitative comparison between crowd models for evacuation planning and evaluation. European Physical Journal B, 2014, 87, 1.	0.6	24
54	A novel feature-based approach to extract drug-drug interactions from biomedical text. Bioinformatics, 2014, 30, 3365-3371.	1.8	69

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55	Inference of the Russian drug community from one of the largest social networks in the Russian Federation. <i>Quality and Quantity</i> , 2014, 48, 2739-2755.	2.0	11
56	The emergence of slums: A contemporary view on simulation models. <i>Environmental Modelling and Software</i> , 2014, 59, 76-90.	1.9	64
57	Double-degree Master's Program in Computational Science: Experiences of ITMO University and University of Amsterdam. <i>Procedia Computer Science</i> , 2014, 29, 1433-1445.	1.2	12
58	Short-Term Forecasting of Taiwanese Earthquakes Using a Universal Model of Fusion-Fission Processes. <i>Scientific Reports</i> , 2014, 4, 3624.	1.6	7
59	The Relative Ineffectiveness of Criminal Network Disruption. <i>Scientific Reports</i> , 2014, 4, 4238.	1.6	152
60	Distributed Simulation of City Inundation by Coupled Surface and Subsurface Porous Flow for Urban Flood Decision Support System. <i>Procedia Computer Science</i> , 2013, 18, 1046-1056.	1.2	23
61	Towards understanding the behavior of physical systems using information theory. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1389-1401.	1.2	12
62	Inferring epidemiological parameters from phylogenetic information for the HIV-1 epidemic among MSM. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1347-1358.	1.2	3
63	The importance of centralities in dark network value chains. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1413-1439.	1.2	12
64	Combining social and genetic networks to study HIV transmission in mixing risk groups. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1377-1387.	1.2	7
65	Advances in dynamic temporal networks: Understanding the temporal dynamics of complex adaptive networks. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1287-1293.	1.2	8
66	Stochastic resonance for information flows on hierarchical networks. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1335-1345.	1.2	7
67	An Approach for Real-time Levee Health Monitoring Using Signal Processing Methods. <i>Procedia Computer Science</i> , 2013, 18, 2357-2366.	1.2	14
68	A simulation framework to investigate in vitro viral infection dynamics. <i>Journal of Computational Science</i> , 2013, 4, 127-134.	1.5	13
69	Promoter Sequence Determines the Relationship between Expression Level and Noise. <i>PLoS Biology</i> , 2013, 11, e1001528.	2.6	143
70	RegaDB: community-driven data management and analysis for infectious diseases. <i>Bioinformatics</i> , 2013, 29, 1477-1480.	1.8	29
71	The diminishing role of hubs in dynamical processes on complex networks. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130568.	1.5	35
72	Are motorways rational from slime mould's point of view?. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2013, 28, 230-248.	0.7	24

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73	BIO-DEVELOPMENT OF MOTORWAY NETWORK IN THE NETHERLANDS: A SLIME MOULD APPROACH. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1250034.	0.9	18
74	Superinfection with drug-resistant HIV is rare and does not contribute substantially to therapy failure in a large European cohort. BMC Infectious Diseases, 2013, 13, 537.	1.3	8
75	Noise enhances information transfer in hierarchical networks. Scientific Reports, 2013, 3, 1223.	1.6	45
76	Information dissipation as an early-warning signal for the Lehman Brothers collapse in financial time series. Scientific Reports, 2013, 3, 1898.	1.6	54
77	Cost-Effectiveness of Pre-Exposure Prophylaxis (PrEP) in Preventing HIV-1 Infections in Rural Zambia: A Modeling Study. PLoS ONE, 2013, 8, e59549.	1.1	40
78	Topic Crawler for Social Networks Monitoring. Communications in Computer and Information Science, 2013, , 214-227.	0.4	8
79	Biorationality of motorways. , 2012, , 309-325.		1
80	Physarum in The Netherlands: responding to the flood. , 2012, , 213-234.		1
81	A robust approach to extract biomedical events from literature. Bioinformatics, 2012, 28, 2654-2661.	1.8	23
82	Information processing as a paradigm to model and simulate complex systems. Journal of Computational Science, 2012, 3, 247-249.	1.5	17
83	HIV Reservoirs and Immune Surveillance Evasion Cause the Failure of Structured Treatment Interruptions: A Computational Study. PLoS ONE, 2012, 7, e36108.	1.1	13
84	Combining Epidemiological and Genetic Networks Signifies the Importance of Early Treatment in HIV-1 Transmission. PLoS ONE, 2012, 7, e46156.	1.1	16
85	Editorial: communication optimization for scalable parallel system. Journal of Supercomputing, 2012, 60, 1-3.	2.4	0
86	Processing moldable tasks on the grid: Late job binding with lightweight user-level overlay. Future Generation Computer Systems, 2011, 27, 725-736.	4.9	20
87	Cellular automata models of tumour natural shrinkage. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2283-2290.	1.2	9
88	A Simulation Framework to Investigate in vitro Viral Infection Dynamics. Procedia Computer Science, 2011, 4, 1798-1807.	1.2	2
89	A hybrid approach to extract protein-protein interactions. Bioinformatics, 2011, 27, 259-265.	1.8	80
90	SEECN: SIMULATING COMPLEX SYSTEMS USING DYNAMIC COMPLEX NETWORKS. International Journal for Multiscale Computational Engineering, 2011, 9, 201-214.	0.8	4

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91	Modeling HIV-1 intracellular replication: two simulation approaches. <i>Procedia Computer Science</i> , 2010, 1, 555-564.	1.2	10
92	Exploring individual user differences in the 2D/3D interaction with medical image data. <i>Virtual Reality</i> , 2010, 14, 105-118.	4.1	6
93	Extracting causal relations on HIV drug resistance from literature. <i>BMC Bioinformatics</i> , 2010, 11, 101.	1.2	34
94	Identifying potential survival strategies of HIV-1 through virus-host protein interaction networks. <i>BMC Systems Biology</i> , 2010, 4, 96.	3.0	31
95	The influence of mitoses rate on growth dynamics of a cellular automata model of tumour growth. <i>Procedia Computer Science</i> , 2010, 1, 971-978.	1.2	3
96	Individual-based simulation of sexual selection: A quantitative genetic approach. <i>Procedia Computer Science</i> , 2010, 1, 2003-2011.	1.2	0
97	Perspectives on grid computing. <i>Future Generation Computer Systems</i> , 2010, 26, 1104-1115.	4.9	71
98	Evaluation of 2D and 3D glove input applied to medical image analysis. <i>International Journal of Human Computer Studies</i> , 2010, 68, 355-369.	3.7	11
99	Comparison of HIV-1 Genotypic Resistance Test Interpretation Systems in Predicting Virological Outcomes Over Time. <i>PLoS ONE</i> , 2010, 5, e11505.	1.1	56
100	Antiretroviral Therapy Optimisation without Genotype Resistance Testing: A Perspective on Treatment History Based Models. <i>PLoS ONE</i> , 2010, 5, e13753.	1.1	21
101	Exploring cancer stem cell niche directed tumor growth. <i>Cell Cycle</i> , 2010, 9, 1472-1479.	1.3	32
102	Cancer Stem Cell Tumor Model Reveals Invasive Morphology and Increased Phenotypical Heterogeneity. <i>Cancer Research</i> , 2010, 70, 46-56.	0.4	180
103	Multi-scale modelling in computational biomedicine. <i>Briefings in Bioinformatics</i> , 2010, 11, 142-152.	3.2	71
104	Inference of Surface Membrane Factors of HIV-1 Infection through Functional Interaction Networks. <i>PLoS ONE</i> , 2010, 5, e13139.	1.1	7
105	Exploring 2D/3D Input Techniques for Medical Image Analysis. , 2009, , .		1
106	Grid Resource Allocation by Means of Option Contracts. <i>IEEE Systems Journal</i> , 2009, 3, 49-64.	2.9	12
107	Calcium homeostasis and signaling in yeast cells and cardiac myocytes. <i>FEMS Yeast Research</i> , 2009, 9, 1137-1147.	1.1	92
108	Simulations of time harmonic blood flow in the Mesenteric artery: comparing finite element and lattice Boltzmann methods. <i>BioMedical Engineering OnLine</i> , 2009, 8, 23.	1.3	29

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109	HIV decision support: from molecule to man. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2691-2703.	1.6	27
110	Interactive Control over a Programmable Computer Network Using a Multi-touch Surface. Lecture Notes in Computer Science, 2009, , 719-728.	1.0	1
111	Semantic Integration for Research Environments. , 2009, , 514-530.		8
112	Simulating Individual-Based Models of Epidemics in Hierarchical Networks. Lecture Notes in Computer Science, 2009, , 725-734.	1.0	1
113	A collaborative environment allowing clinical investigations on integrated biomedical databases. Studies in Health Technology and Informatics, 2009, 147, 51-61.	0.2	2
114	A Grid-based Virtual Reactor: Parallel performance and adaptive load balancing. Journal of Parallel and Distributed Computing, 2008, 68, 596-608.	2.7	18
115	A hybrid agent-based approach for modeling microbiological systems. Journal of Theoretical Biology, 2008, 255, 163-175.	0.8	34
116	Guest Editorial Introduction to the Special Section on BioGrid: Biomedical Computations on the Grid. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 133-137.	3.6	3
117	Stochastic simulation of HIV population dynamics through complex network modelling. International Journal of Computer Mathematics, 2008, 85, 1175-1187.	1.0	53
118	Dynamic Interactions in HLA Component Model for Multiscale Simulations. Lecture Notes in Computer Science, 2008, , 217-226.	1.0	1
119	Using HLA and Grid for Distributed Multiscale Simulations. Lecture Notes in Computer Science, 2008, , 780-787.	1.0	2
120	Hla Component Based Environment For Distributed Multiscale Simulations. , 2008, , 229-239.		1
121	Problem Solving Environment for Distributed Interactive Applications. , 2008, , 55-66.		4
122	Multi-science decision support for HIV drug resistance treatment. Studies in Health Technology and Informatics, 2008, 138, 188-98.	0.2	1
123	SIMULATING TIME HARMONIC FLOWS WITH THE REGULARIZED L-BGK METHOD. International Journal of Modern Physics C, 2007, 18, 661-666.	0.8	9
124	Simulating time harmonic flows with the lattice Boltzmann method. Physical Review E, 2007, 75, 036709.	0.8	8
125	Performance Modeling of 2D Cellular Automata on FPGA. , 2007, , .		12
126	Regular Paper: Interactive N-Body Simulations On the Grid: HLA Versus MPI. International Journal of High Performance Computing Applications, 2007, 21, 210-221.	2.4	5

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127	Towards Distributed Petascale Computing. Chapman & Hall/CRC Computational Science, 2007, , 147-164.	0.5	3
128	Grid Support for HLA-Based Collaborative Environment for Vascular Reconstruction. , 2006, , .		0
129	Problem-solving environments for biological morphogenesis. Computing in Science and Engineering, 2006, 8, 61-72.	1.2	6
130	Optimizing lattice Boltzmann simulations for unsteady flows. Computers and Fluids, 2006, 35, 227-240.	1.3	25
131	Mesoscopic simulations of systolic flow in the human abdominal aorta. Journal of Biomechanics, 2006, 39, 873-884.	0.9	77
132	Highly interactive distributed visualization. Future Generation Computer Systems, 2006, 22, 896-900.	4.9	3
133	Application of parallel computing to stochastic parameter estimation in environmental models. Computers and Geosciences, 2006, 32, 1139-1155.	2.0	62
134	From molecule to man: Decision support in individualized E-health. Computer, 2006, 39, 40-46.	1.2	50
135	A Conceptual Grid Architecture for Interactive Biomedical Applications. , 2006, , .		2
136	A Grid Service for Management of Multiple HLA Federate Processes. Lecture Notes in Computer Science, 2006, , 699-706.	1.0	2
137	Automatic Composition and Selection of Semantic Web Services. Lecture Notes in Computer Science, 2005, , 184-192.	1.0	18
138	Bringing combined interaction to a problem solving environment for vascular reconstruction. Future Generation Computer Systems, 2005, 21, 1167-1176.	4.9	7
139	A Grid-Based Hiv Expert System. Journal of Clinical Monitoring and Computing, 2005, 19, 263-278.	0.7	27
140	A Problem Solving Environment for Image-Based Computational Hemodynamics. Lecture Notes in Computer Science, 2005, , 287-294.	1.0	1
141	Morphogenesis of the branching reef coral <i>Madracis mirabilis</i> . Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 127-133.	1.2	76
142	Toward Grid-Aware Time Warp. Simulation, 2005, 81, 293-306.	1.1	8
143	Equilibrium spherically curved two-dimensional Lennard-Jones systems. Journal of Chemical Physics, 2005, 123, 084105.	1.2	3
144	Grid-Based Simulation of Industrial Thin-Film Production. Simulation, 2005, 81, 77-85.	1.1	9

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145	Agent-Based Flow Control for HLA Components. <i>Simulation</i> , 2005, 81, 487-501.	1.1	18
146	A Framework for HLA-Based Interactive Simulations on the Grid. <i>Simulation</i> , 2005, 81, 67-76.	1.1	26
147	Agent technology and scientific workflow management in an e-science environment. , 2005, , .		5
148	Grid Resource Selection by Application Benchmarking for Computational Haemodynamics Applications. <i>Lecture Notes in Computer Science</i> , 2005, , 534-543.	1.0	11
149	Multi-modal Interaction in Biomedicine. <i>Lecture Notes in Computer Science</i> , 2005, , 184-201.	1.0	2
150	Agent Technology and Generic Workflow Management in an e-Science Environment. <i>Lecture Notes in Computer Science</i> , 2005, , 480-485.	1.0	2
151	Polyp oriented modelling of coral growth. <i>Journal of Theoretical Biology</i> , 2004, 228, 559-576.	0.8	43
152	An integrative approach to high-performance biomedical problem solving environments on the Grid. <i>Parallel Computing</i> , 2004, 30, 1037-1055.	1.3	15
153	Lattice BGK simulations of flow in a symmetric bifurcation. <i>Future Generation Computer Systems</i> , 2004, 20, 909-916.	4.9	29
154	Unsteady flow in a 2D elastic tube with the LBGK method. <i>Future Generation Computer Systems</i> , 2004, 20, 917-924.	4.9	15
155	Models of coral growth: spontaneous branching, compactification and the Laplacian growth assumption. <i>Journal of Theoretical Biology</i> , 2003, 224, 153-166.	0.8	51
156	Simulation and analysis of flow patterns around the scleractinian coral <i>Madracis mirabilis</i> (Duchassaing and Michelotti). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 1551-1557.	1.8	37
157	Stochastic Modeling of Temporal Variability of HIV-1 Population. <i>Lecture Notes in Computer Science</i> , 2003, , 125-135.	1.0	2
158	Experimental Grid Access for Dynamic Discovery and Data Transfer in Distributed Interactive Simulation Systems. <i>Lecture Notes in Computer Science</i> , 2003, , 284-292.	1.0	6
159	The distributed ASCI Supercomputer project. <i>Operating Systems Review (ACM)</i> , 2000, 34, 76-96.	1.5	80
160	Effect of Nutrient Diffusion and Flow on Coral Morphology. <i>Physical Review Letters</i> , 1996, 77, 2328-2331.	2.9	107
161	New Computational Techniques to Simulate Light Scattering from Arbitrary Particles. <i>Particle and Particle Systems Characterization</i> , 1994, 11, 189-193.	1.2	13
162	Osmotic response of lymphocytes measured by means of forward light scattering: Theoretical considerations. <i>Cytometry</i> , 1988, 9, 636-641.	1.8	60

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163	Scientific workflow management: between generality and applicability. , 0, , .		4
164	Grid-Based Interactive Decision Support in Biomedicine. , 0, , 225-246.		0
165	Efficient estimation of sensitivities for counterparty credit risk with the finite difference Monte Carlo method. Journal of Computational Finance, 0, , .	0.3	3