

Richard O Sinnott

List of Publications by Year in Descending Order

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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.

155
papers

1,626
citations

20
h-index

35
g-index

195
ext. papers

2,125
ext. citations

3.3
avg, IF

4.99
L-index

#	Paper	IF	Citations
155	Elastic deployment of container clusters across geographically distributed cloud data centers for web applications. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e6436	1.4	
154	Determinants of Cardiovascular Risk in 7000 Youth With Type 1 Diabetes in the Australasian Diabetes Data Network. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 133-142	5.6	3
153	CogTale: an online platform for the evaluation, synthesis, and dissemination of evidence from cognitive interventions studies. <i>Systematic Reviews</i> , 2021 , 10, 236	3	
152	An Online, Person-Centered, Risk Factor Management Program to Prevent Cognitive Decline: Protocol for A Prospective Behavior-Modification Blinded Endpoint Randomized Controlled Trial. <i>Journal of Alzheimer's Disease</i> , 2021 , 83, 1603-1622	4.3	3
151	Glucocorticoid Excess in Patients with Pheochromocytoma Compared with Paraganglioma and Other Forms of Hypertension. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	11
150	Overnight/first-morning urine free metanephrines and methoxytyramine for diagnosis of pheochromocytoma and paraganglioma: is this an option?. <i>European Journal of Endocrinology</i> , 2020 , 182, 499-509	6.5	5
149	A Web Application for Feral Cat Recognition Through Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 85-100	0.9	0
148	Comparison of Optimization-Modelling Methods for Metabolites Production in Escherichia coli. <i>Journal of Integrative Bioinformatics</i> , 2020 , 17,	3.8	1
147	A Mobile Application Using Deep Learning to Automatically Classify Adult-Only Images. <i>Lecture Notes in Computer Science</i> , 2020 , 140-155	0.9	1
146	Security and privacy solutions for smart healthcare systems 2020 , 189-216		1
145	Higher frequency of vertebrate-infecting viruses in the gut of infants born to mothers with type 1 diabetes. <i>Pediatric Diabetes</i> , 2020 , 21, 271-279	3.6	6
144	A non-dominated sorting Differential Search Algorithm Flux Balance Analysis (ndsDSAFBA) for in silico multiobjective optimization in identifying reactions knockout. <i>Computers in Biology and Medicine</i> , 2019 , 113, 103390	7	4
143	SLA-Aware and Deadline Constrained Profit Optimization for Cloud Resource Management in Big Data Analytics-as-a-Service Platforms 2019 ,		2
142	A Mobile Application for Tree Classification and Canopy Calculation Using Machine Learning 2019 ,		2
141	Distinct Gut Virome Profile of Pregnant Women With Type 1 Diabetes in the ENDIA Study. <i>Open Forum Infectious Diseases</i> , 2019 , 6, ofz025	1	20
140	Predictors of Adverse Alcohol Use Consequences Among Tertiary Students. <i>Alcoholism: Clinical and Experimental Research</i> , 2019 , 43, 877-887	3.7	2
139	A Mobile Application for Cat Detection and Breed Recognition Based on Deep Learning 2019 ,		3

138	Identifying a Gene Knockout Strategy Using a Hybrid of Simple Constrained Artificial Bee Colony Algorithm and Flux Balance Analysis to Enhance the Production of Succinate and Lactate in Escherichia Coli. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2019 , 11, 33-44	3.5	2
137	Latency-aware failover strategies for containerized web applications in distributed clouds. <i>Future Generation Computer Systems</i> , 2019 , 101, 1081-1095	7.5	4
136	Profit Maximization and Time Minimization Admission Control and Resource Scheduling for Cloud-Based Big Data Analytics-as-a-Service Platforms. <i>Lecture Notes in Computer Science</i> , 2019 , 26-47	0.9	0
135	Sharing interoperable workflow provenance: A review of best practices and their practical application in CWLProv. <i>GigaScience</i> , 2019 , 8,	7.6	24
134	Estimating Fruit Crop Yield through Deep Learning 2019 ,		2
133	An Improved Scatter Search Algorithm for Parameter Estimation in Large-Scale Kinetic Models of Biochemical Systems. <i>Current Proteomics</i> , 2019 , 16, 427-438	0.7	1
132	A Smartphone App to Assess Alcohol Consumption Behavior: Development, Compliance, and Reactivity. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e11157	5.5	6
131	Crowd-Counting through a Cascaded, Multi-Task Convolutional Neural Network 2019 ,		1
130	Identification and Classification of Trucks and Trailers on the Road Network through Deep Learning 2019 ,		3
129	Designing Adaptable Spatial Cyberinfrastructure for Urban eResearch. <i>Geospatial Technology and the Role of Location in Science</i> , 2019 , 53-69	0.5	1
128	A Performance Evaluation of Containers Running on Managed Kubernetes Services 2019 ,		6
127	ID-based dynamic replicated data auditing for the cloud. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e5051	1.4	5
126	Advancing the ethical use of digital data in human research: challenges and strategies to promote ethical practice. <i>Ethics and Information Technology</i> , 2019 , 21, 59-73	3.7	14
125	Decentralized Big Data Auditing for Smart City Environments Leveraging Blockchain Technology. <i>IEEE Access</i> , 2019 , 7, 6288-6296	3.5	48
124	Assessment of alcohol intake: Retrospective measures versus a smartphone application. <i>Addictive Behaviors</i> , 2018 , 83, 35-41	4.2	16
123	Semantic privacy-preserving framework for electronic health record linkage. <i>Telematics and Informatics</i> , 2018 , 35, 737-752	8.1	8
122	Privacy-protected statistics publication over social media user trajectory streams. <i>Future Generation Computer Systems</i> , 2018 , 87, 792-802	7.5	13
121	A Social Media Platform for Infectious Disease Analytics. <i>Lecture Notes in Computer Science</i> , 2018 , 526-540	9	4

120	A Platform for Exploring Social Media Analytics of Fast Food Restaurants in Australia. <i>Lecture Notes in Computer Science</i> , 2018 , 231-244	0.9	
119	Biochemical Diagnosis of Chromaffin Cell Tumors in Patients at High and Low Risk of Disease: Plasma versus Urinary Free or Deconjugated -Methylated Catecholamine Metabolites. <i>Clinical Chemistry</i> , 2018 , 64, 1646-1656	5.5	67
118	RT-DBSCAN: Real-Time Parallel Clustering of Spatio-Temporal Data Using Spark-Streaming. <i>Lecture Notes in Computer Science</i> , 2018 , 524-539	0.9	5
117	Prediction of Air Pollution through Machine Learning Approaches on the Cloud 2018 ,		13
116	2018 ,		7
115	. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 1-1	3.3	13
114	Semantic-Based Policy Composition for Privacy-Demanding Data Linkage 2018 ,		1
113	. <i>IEEE Transactions on Cloud Computing</i> , 2017 , 5, 428-442	3.3	10
112	Protecting personal trajectories of social media users through differential privacy. <i>Computers and Security</i> , 2017 , 67, 142-163	4.9	27
111	Monogenic diabetes syndromes: Locus-specific databases for Alström, Wolfram, and Thiamine-responsive megaloblastic anemia. <i>Human Mutation</i> , 2017 , 38, 764-777	4.7	30
110	Characteristics of Pediatric vs Adult Pheochromocytomas and Paragangliomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 1122-1132	5.6	87
109	2017 ,		6
108	Investigating reproducibility and tracking provenance - A genomic workflow case study. <i>BMC Bioinformatics</i> , 2017 , 18, 337	3.6	41
107	A hybrid-timeout mechanism to handle rule dependencies in software defined networks 2017 ,		3
106	The Australasian Diabetes Data Network: first national audit of children and adolescents with type 1 diabetes. <i>Medical Journal of Australia</i> , 2017 , 206, 121-125	4	50
105	Estimating micro-populations through social media analytics. <i>Social Network Analysis and Mining</i> , 2017 , 7, 1	2.2	1
104	A performance comparison of container-based technologies for the Cloud. <i>Future Generation Computer Systems</i> , 2017 , 68, 175-182	7.5	94
103	Privacy-protected place of activity mining on big location data 2017 ,		2

102	A Big Data Architecture for Near Real-time Traffic Analytics 2017 ,		2
101	A Mobile Application for Plant Recognition through Deep Learning 2017 ,		10
100	Digital reproducibility requirements of computational genomic workflows 2017 ,		2
99	Metaheuristic Optimization for Parameter Estimation in Kinetic Models of Biological Systems - Recent Development and Future Direction. <i>Current Bioinformatics</i> , 2017 , 12,	4.7	1
98	A scalable Cloud-based system for data-intensive spatial analysis. <i>International Journal on Software Tools for Technology Transfer</i> , 2016 , 18, 587-605	1.3	10
97	Australasian Diabetes Data Network: Building a Collaborative Resource. <i>Journal of Diabetes Science and Technology</i> , 2016 , 10, 1015-26	4.1	15
96	The Long-Term Outcome of Boys With Partial Androgen Insensitivity Syndrome and a Mutation in the Androgen Receptor Gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 3959-3967	5.6	58
95	Privacy Preserving Geo-Linkage in the Big Urban Data Era. <i>Journal of Grid Computing</i> , 2016 , 14, 603-618	4.2	6
94	My ever changing moods 2016 ,		1
93	Privacy-protected social media user trajectories calibration 2016 ,		1
92	Estimating crowd sizes through social media 2016 ,		4
91	SMPD1 Mutation Update: Database and Comprehensive Analysis of Published and Novel Variants. <i>Human Mutation</i> , 2016 , 37, 139-47	4.7	44
90	Exploring the High Performance Computing-Enablement of a Suite of Gene-Knockout Based Genetic Engineering Applications. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 133-139	0.4	
89	Service-Oriented Workflow Executability from a Security Perspective. <i>Lecture Notes in Computer Science</i> , 2016 , 358-373	0.9	
88	Architectural Patterns for Security-Oriented Workflows in Collaborative Environments. <i>Lecture Notes in Computer Science</i> , 2016 , 406-421	0.9	
87	The Australian Data-Driven Urban Research Platform: Systems Paper. <i>Australian Economic Review</i> , 2016 , 49, 208-223	0.6	4
86	Supporting geospatial privacy-preserving data mining of social media. <i>Social Network Analysis and Mining</i> , 2016 , 6, 1	2.2	2
85	Semantic-Based Privacy Protection of Electronic Health Records for Collaborative Research 2016 ,		2

84	Protecting the location privacy of mobile social media users 2016 ,		5
83	A Security-Oriented Workflow Framework for Collaborative Environments 2016 ,		2
82	SLA-based profit optimization for resource management of big data analytics-as-a-service platforms in cloud computing environments 2016 ,		11
81	Benchmarking Sentiment Analysis Approaches on the Cloud 2016 ,		5
80	Beyond a Disease Registry: An Integrated Virtual Environment for Adrenal Cancer Research. <i>Journal of Grid Computing</i> , 2016 , 14, 515-532	4.2	7
79	Security-enabled Enactment of Decentralized Workflows 2016 ,		2
78	Modeling coordinated multiple views of heterogeneous data cubes for urban visual analytics. <i>International Journal of Digital Earth</i> , 2015 , 8, 558-578	3.9	11
77	Challenges of Large-Scale Biomedical Workflows on the Cloud -- A Case Study on the Need for Reproducibility of Results 2015 ,		4
76	Cloud Docs: Secure Scalable Document Sharing on Public Clouds 2015 ,		4
75	Role of Endocrine Gland-Derived Vascular Endothelial Growth Factor (EG-VEGF) and Its Receptors in Adrenocortical Tumors. <i>Hormones and Cancer</i> , 2015 , 6, 225-36	5	5
74	Semantic Security for E-Health: A Case Study in Enhanced Access Control 2015 ,		2
73	The Australia urban research gateway. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 358-375		29
72	Accident Black Spot Identification and Verification through Social Media 2015 ,		6
71	Privacy-Preserving Data Linkage through Blind Geo-spatial Data Aggregation 2015 ,		3
70	Identification of (near) Real-time Traffic Congestion in the Cities of Australia through Twitter 2015 ,		11
69	Identification and Validation of Real-Time Health Events through Social Media 2015 ,		9
68	SMASH: A Cloud-Based Architecture for Big Data Processing and Visualization of Traffic Data 2015 ,		7
67	The Australian Urban Intelligence Network Supporting Smart Cities. <i>Lecture Notes in Geoinformation and Cartography</i> , 2015 , 243-259	0.3	11

66	Novel associations in disorders of sex development: findings from the I-DSD Registry. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E348-55	5.6	64
65	Are Tiled Display Walls Needed for Astronomy?. <i>Publications of the Astronomical Society of Australia</i> , 2014 , 31,	5.5	4
64	Changes over time in sex assignment for disorders of sex development. <i>Pediatrics</i> , 2014 , 134, e710-5	7.4	81
63	Elastic Scaling of e-Infrastructures to Support Data-Intensive Research Collaborations 2014 ,		4
62	Deaths by suicide and their relationship with general and psychiatric hospital discharge: 30-year record linkage study. <i>British Journal of Psychiatry</i> , 2014 , 204, 267-73	5.4	23
61	Biochemical diagnosis of pheochromocytoma using plasma-free normetanephrine, metanephrine and methoxytyramine: importance of supine sampling under fasting conditions. <i>Clinical Endocrinology</i> , 2014 , 80, 478-86	3.4	77
60	EURO-WABB: an EU rare diseases registry for Wolfram syndrome, Alström syndrome and Bardet-Biedl syndrome. <i>BMC Pediatrics</i> , 2013 , 13, 130	2.6	36
59	2013 ,		27
58	Decentralized orchestration of data-centric workflows in Cloud environments. <i>Future Generation Computer Systems</i> , 2013 , 29, 1826-1837	7.5	14
57	Towards a virtual research environment for language and literature researchers. <i>Future Generation Computer Systems</i> , 2013 , 29, 549-559	7.5	5
56	A lightweight authorization mechanism for spatially enabled health data services 2013 ,		1
55	e-Enabling International Cancer Research: Lessons Being Learnt in the ENS@T-CANCER Project 2013 ,		4
54	The Online What if? Planning Support System. <i>Lecture Notes in Geoinformation and Cartography</i> , 2013 , 349-362	0.3	14
53	Development of an Endocrine Genomics Virtual Research Environment for Australia: Building on Success. <i>Lecture Notes in Computer Science</i> , 2013 , 364-379	0.9	5
52	A data-driven urban research environment for Australia 2012 ,		8
51	Security Attribute Aggregation Models for E-research Collaborations 2012 ,		7
50	Hybrid Cloud resource provisioning policy in the presence of resource failures 2012 ,		11
49	The design of a flexible web-based analytical platform for urban research 2012 ,		7

48	Decentralized Orchestration of Data-centric Workflows Using the Object Modeling System 2012 ,		10
47	Policy-Based Vulnerability Assessment for Virtual Organisations. <i>Lecture Notes in Computer Science</i> , 2012 , 377-399	0.9	
46	Federated Authentication and Authorisation in the Social Science Domain 2011 ,		8
45	Supporting Federated Multi-authority Security Models 2011 ,		3
44	Towards an e-Infrastructure for Urban Research across Australia 2011 ,		11
43	2011 ,		2
42	Index-based symmetric DNA encryption algorithm 2011 ,		17
41	Towards a Virtual Research Environment for International Adrenal Cancer Research. <i>Procedia Computer Science</i> , 2011 , 4, 1109-1118	1.6	3
40	A review of grid authentication and authorization technologies and support for federated access control. <i>ACM Computing Surveys</i> , 2011 , 43, 1-26	13.4	16
39	The Design, Development and Application of a Proxy Credential Auditing Infrastructure for Collaborative Research. <i>Lecture Notes in Business Information Processing</i> , 2011 , 211-226	0.6	1
38	Towards a Virtual Research Environment for Language and Literature Researchers 2010 ,		1
37	The European disorder of sex development registry: a virtual research environment. <i>Sexual Development</i> , 2010 , 4, 192-8	1.6	38
36	Security-Oriented Workflows for the Social Sciences 2010 ,		5
35	Elements of a computational infrastructure for social simulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 3797-812	3	16
34	Optimizing electronic standard cell libraries for variability tolerance through the nano-CMOS grid. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 3967-81	3	7
33	The brain monitoring with Information Technology (BrainIT) collaborative network: EC feasibility study results and future direction. <i>Acta Neurochirurgica</i> , 2010 , 152, 1859-71	3	15
32	Enabling Cutting-Edge Semiconductor Simulation through Grid Technology. <i>Lecture Notes in Computer Science</i> , 2010 , 369-378	0.9	
31	Towards a Virtual Research Environment for Paediatric Endocrinology across Europe 2009 ,		1

30	Enabling Quantitative Data Analysis Through e-Infrastructure. <i>Social Science Computer Review</i> , 2009 , 27, 539-552	3.1	6
29	A federated data collection application for the prediction of adverse hypotensive events 2009 ,		1
28	Policy-Driven Patch Management for Distributed Environments 2009 ,		1
27	Tool Support for Security-Oriented Virtual Research Collaborations 2009 ,		3
26	Enabling cutting-edge semiconductor simulation through grid technology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 2573-84	3	2
25	Designing Privacy for Scalable Electronic Healthcare Linkage 2009 ,		2
24	Federating distributed clinical data for the prediction of adverse hypotensive events. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 2679-90	3	9
23	e-Infrastructures Fostering Multi-Center Collaborative Research into the Intensive Care Management of Patients with Brain Injury 2009 , 494-512		1
22	Prediction of random dopant induced threshold voltage fluctuations in NanoCMOS transistors 2008 ,		6
21	Supporting grid-based clinical trials in Scotland. <i>Health Informatics Journal</i> , 2008 , 14, 79-93	3	5
20	Dynamic trust negotiation for flexible e-health collaborations 2008 ,		5
19	Supporting UK-wide e-clinical trials and studies 2008 ,		2
18	Supporting Security-Oriented, Collaborative nanoCMOS Electronics Research. <i>Lecture Notes in Computer Science</i> , 2008 , 96-105	0.9	2
17	BioNessie(G) - a Grid enabled biochemical networks simulation environment. <i>Studies in Health Technology and Informatics</i> , 2008 , 138, 147-57	0.5	3
16	Life Science Grid. <i>New Generation Computing</i> , 2007 , 25, 337-338	0.9	
15	User-oriented Security Supporting Inter-disciplinary Life Science Research across the Grid. <i>New Generation Computing</i> , 2007 , 25, 339-354	0.9	3
14	From access and integration to mining of secure genomic data sets across the Grid. <i>Future Generation Computer Systems</i> , 2007 , 23, 447-456	7.5	1
13	Trust Realisation in Multi-domain Collaborative Environments 2007 ,		4

12	Security Oriented e-Infrastructures Supporting Neurological Research and Clinical Trials 2007 ,		3
11	Towards a Grid-Enabled Simulation Framework for Nano-CMOS Electronics 2007 ,		5
10	Formalising Dynamic Trust Negotiations in Decentralised Collaborative e-Health Systems 2007 ,		4
9	Data Curation Standards and Social Science Occupational Information Resources. <i>International Journal of Digital Curation</i> , 2007 , 2, 73-91	0.9	6
8	Security-oriented data grids for microarray expression profiles. <i>Studies in Health Technology and Informatics</i> , 2007 , 126, 67-76	0.5	
7	Development of grid frameworks for clinical trials and epidemiological studies. <i>Studies in Health Technology and Informatics</i> , 2006 , 120, 117-30	0.5	
6	Distributed BLAST in a Grid Computing Context. <i>Lecture Notes in Computer Science</i> , 2005 , 241-252	0.9	1
5	Integrated Trouble Management to Support Service Quality Assurance in a Multi-provider Context. <i>Lecture Notes in Computer Science</i> , 2000 , 117-132	0.9	1
4	Frameworks: the future of formal software development?. <i>Computer Standards and Interfaces</i> , 1998 , 19, 375-385	3.5	5
3	Specifying ODP Computational Objects in Z. <i>IFIP Advances in Information and Communication Technology</i> , 1997 , 375-390	0.5	1
2	Applying formal methods to standard development: The open distributed processing experience. <i>Computer Standards and Interfaces</i> , 1995 , 17, 615-630	3.5	11
1	Evaluating untimed and timed abridged versions of Raven's Advanced Progressive Matrices. <i>Journal of Clinical and Experimental Neuropsychology</i> , 1-12	2.1	1