

Ichiro Sakata

List of Publications by Year in descending order

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102
papers

1,590
citations

331259

21
h-index

329751

37
g-index

103
all docs

103
docs citations

103
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry of rechargeable aqueous zinc/zinc-sulphate/manganese-oxide batteries and methods for preparation of high-performance cathodes. Journal of Materials Chemistry A, 2022, 10, 15415-15426.	5.2	6
2	Graphene nanosheets homogeneously incorporated in polyurethane sponge for the elimination of water-soluble organic dyes. Journal of Colloid and Interface Science, 2021, 584, 816-826.	5.0	23
3	Aerogels from copper (II)-cellulose nanofibers and carbon nanotubes as absorbents for the elimination of toxic gases from air. Journal of Colloid and Interface Science, 2021, 582, 950-960.	5.0	30
4	Identifying potential technological spin-offs using hierarchical information in international patent classification. Technovation, 2021, 100, 102192.	4.2	22
5	Business partner selection considering supply-chain centralities and causalities. Supply Chain Forum, 2021, 22, 74-85.	2.7	8
6	Synchronous Mobility Analysis for Institutional Evaluation. Journal of the Japan Society of Information and Knowledge, 2021, 30, 467-470.	0.0	0
7	Dense and influential core promotion of daily viral information spread in political echo chambers. Scientific Reports, 2021, 11, 7491.	1.6	9
8	Large-scale analysis of delayed recognition using sleeping beauty and the prince. Applied Network Science, 2021, 6, 48.	0.8	5
9	Categorization of mergers and acquisitions using transaction network features. Research in International Business and Finance, 2021, 57, 101421.	3.1	5
10	Discovering Interdisciplinarily Spread Knowledge in the Academic Literature. IEEE Access, 2021, 9, 124142-124151.	2.6	1
11	Unsupervised Abstractive Opinion Summarization by Generating Sentences with Tree-Structured Topic Guidance. Transactions of the Association for Computational Linguistics, 2021, 9, 945-961.	3.2	5
12	Classifying Sleeping Beauties and Princes Using Citation Rarity. Studies in Computational Intelligence, 2021, , 308-318.	0.7	2
13	Which Is More Helpful in Finding Scientific Papers to Be Top-cited in the Future: Content or Citations? Case Analysis in the Field of Solar Cells 2009. , 2021, , .		1
14	Knowledge formation of MPEG: Analysis using bibliographic clustering of citation networks. Synthesiology, 2021, 2021, 1-17.	0.2	0
15	Stabilization of Prussian blue using copper sulfate for eliminating radioactive cesium from a high pH solution and seawater. Journal of Hazardous Materials, 2020, 386, 121979.	6.5	14
16	Improved supercapacitors by implanting ultra-long single-walled carbon nanotubes into manganese oxide domains. Journal of Power Sources, 2020, 479, 228795.	4.0	16
17	Evaluating "startup readiness" for researchers: case studies of research-based startups with biopharmaceutical research topics. Heliyon, 2020, 6, e04160.	1.4	7
18	Evaluating Nodes of Latent Mediators in Heterogeneous Communities. Scientific Reports, 2020, 10, 8456.	1.6	1

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19	Emerging Scientific Field Detection Using Citation Networks and Topic Models—A Case Study of the Nanocarbon Field. Applied System Innovation, 2020, 3, 40.	2.7	14
20	Monolayered Platinum Nanoparticles as Efficient Electrocatalysts for the Mass Production of Electrolyzed Hydrogen Water. Scientific Reports, 2020, 10, 10126.	1.6	11
21	Scientific Attention to Sustainability and SDGs: Meta-Analysis of Academic Papers. Energies, 2020, 13, 975.	1.6	19
22	Facile synthesis of graphene sheets intercalated by carbon spheres for high-performance supercapacitor electrodes. Carbon, 2020, 167, 11-18.	5.4	18
23	Unsupervised Joint Learning for Headline Generation and Discourse Structure of Reviews. Advances in Intelligent Systems and Computing, 2020, , 139-149.	0.5	0
24	Thicker carbon-nanotube/manganese-oxide hybridized nanostructures as electrodes for the creation of fiber-shaped high-energy-density supercapacitors. Carbon, 2019, 154, 169-177.	5.4	32
25	Comparative Examination of Network Clustering Methods for Extracting Community Structures of a City From Public Transportation Smart Card Data. IEEE Access, 2019, 7, 53377-53391.	2.6	10
26	Inter-Domain Linking of Problems in Science and Technology through a Bibliometric Approach. , 2019, , .		1
27	Detecting Emerging Complex Technological Fields in Robotics. , 2019, , .		2
28	Analysis of Mergers and Acquisitions Trends in the Semiconductor Industry with the Technology Perspective. , 2019, , .		1
29	Latent Pattern Extraction and Factorization of Firm Bankruptcies and Metabolism in Japan. , 2019, , .		0
30	Identifying technology convergence in the field of robotics research. Technological Forecasting and Social Change, 2019, 146, 751-766.	6.2	36
31	Researchers' "Startup Readiness" in the Biopharmaceutical Domain Assessed Using Logistic Regression for Features of Their Papers, Patents, Institutes, and Nations. , 2019, , .		0
32	Identifying Affiliation Effects on Innovation Enhancement. , 2019, , .		1
33	Carbon nanotubes and manganese oxide hybrid nanostructures as high performance fiber supercapacitors. Communications Chemistry, 2018, 1, .	2.0	32
34	Analysis of Technology Convergence in Robotics and Technological Portfolios among Robot-Related Organizations. , 2018, , .		0
35	Data Storage Cost Reduction by Decluttering Image and Video Data: Case Study of Video File Decluttering. , 2018, , .		0
36	Assessing "Start-up Readiness" for Research Topics and Researchers: Case Studies of Research-Based Start-Ups in the Biopharmaceutical Domain. , 2018, , .		1

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37	Cross-border power trade with Myanmar: barriers and their removal from the Thai's perspective. International Journal of Public Policy, 2018, 14, 30.	0.1	0
38	Co-word Analysis to Detect Possible Combinations for Composite Materials. , 2018, , .		0
39	Measurement of Opportunity Cost of Travel Time for Predicting Future Residential Mobility Based on the Smart Card Data of Public Transportation. ISPRS International Journal of Geo-Information, 2018, 7, 416.	1.4	2
40	Recategorizing Interdisciplinary Articles using Natural Language Processing and Machine/Deep Learning. , 2018, , .		0
41	Detecting trends in academic research from a citation network using network representation learning. PLoS ONE, 2018, 13, e0197260.	1.1	20
42	Communication Based on Unilateral Preference on Twitter: Internet Luring in Japan. Lecture Notes in Computer Science, 2018, , 54-66.	1.0	0
43	Nitrogen-doped porous carbon monoliths from polyacrylonitrile (PAN) and carbon nanotubes as electrodes for supercapacitors. Scientific Reports, 2017, 7, 40259.	1.6	59
44	Preparation of novel tetrahedral Ag ₃ PO ₄ crystals and the sunlight-responsive photocatalytic properties using graphene oxide as the template. Carbon, 2017, 119, 522-526.	5.4	8
45	Measuring "Start-Up Readiness" of Scientific Research-Based Start-Ups Using Analysis of Citation Networks: Case Study of CRISPR-Cas9. , 2017, , .		3
46	Time-Series Analysis on the Fields of Entrepreneurship Research. , 2017, , .		0
47	New Science and Technology Policy Evaluation Using Bibliometric Approach. , 2017, , .		0
48	Detection of Emerging Technologies for Field Effect Transistors: A Citation-Based Analysis. , 2017, , .		0
49	Prediction of Business Partners Using an N-Gram-Based Approach that Combines a Network Model and Linear Model of a Supply Chain. , 2017, , .		0
50	Identifying Technology Advancements and Their Linkages in the Field of Robotics Research. , 2017, , .		2
51	Cross-Domain Academic Paper Recommendation by Semantic Linkage Approach Using Text Analysis and Recurrent Neural Networks. , 2017, , .		3
52	Identifying Influencers of Corporate Performance in Interfirm Networks. , 2017, , .		0
53	Electrochemically reduced water exerts superior reactive oxygen species scavenging activity in HT1080 cells than the equivalent level of hydrogen-dissolved water. PLoS ONE, 2017, 12, e0171192.	1.1	25
54	Extractive Summarization Using Multi-Task Learning with Document Classification. , 2017, , .		51

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55	Metabolism of Inter-Firm Transactions in Regional Networks. , 2017, , .		2
56	Identifying Emerging Research Related to Solar Cells Field Using a Machine Learning Approach. Journal of Sustainable Development of Energy, Water and Environment Systems, 2016, 4, 418-429.	0.9	10
57	Detecting structural changes in the nanocarbon domain based on the time distribution of text information of academic papers. , 2016, , .		0
58	Research management: Five years on from Fukushima. Nature, 2016, 531, 29-30.	13.7	13
59	A road to social innovation. , 2016, , .		0
60	Researcher qualitative change by governmental support in Japan. , 2016, , .		1
61	Prediction of emerging papers in nanocarbon materials-related research using a citation network. , 2016, , .		0
62	Positioning social entrepreneurship research in the field of entrepreneurship research. , 2016, , .		0
63	Representation learning for geospatial areas using large-scale mobility data from smart card. , 2016, , .		5
64	Academic landscape of hydropower: citation-analysis-based method and its application. International Journal of Energy Technology and Policy, 2016, 12, 84.	0.1	6
65	Cellulose nanofiber backbone Prussian blue nanoparticles as powerful adsorbents for the selective elimination of radioactive cesium. Scientific Reports, 2016, 6, 37009.	1.6	101
66	Detecting candidate combinations of the keywords organ - material -technology in regenerative medicine. , 2016, , .		1
67	New bibliometric analysis of research institutions network. , 2016, , .		0
68	Knowledge Structuring Tools for Decision Support Service: An Overview of Citation-Based Approach. Service Science: Research and Innovations in the Service Economy, 2016, , 261-276.	1.1	1
69	Three dimensional porous monoliths from multi-walled carbon nanotubes and polyacrylonitrile. Carbon, 2016, 101, 377-381.	5.4	13
70	Detection and introduction of emerging technologies for green buildings in Thailand. International Journal of Energy Technology and Policy, 2016, 12, 2.	0.1	4
71	Morphology-controlled fabrication of a three-dimensional mesoporous poly(vinyl alcohol) monolith through the incorporation of graphene oxide. Carbon, 2016, 98, 334-342.	5.4	16
72	Serendipitous identification of fields derived from technology spillovers from patent analysis: Case study of material science. , 2015, , .		1

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73	Top researcher change by governmental support in Japan. , 2015, , .		2
74	Knowledge combination modeling: The measurement of knowledge similarity between different technological domains. Technological Forecasting and Social Change, 2015, 94, 187-201.	6.2	72
75	International flows of Japanese and world's researchers. , 2015, , .		0
76	Appliance Diffusion Model for Energy Efficiency Standards and Labeling Evaluation in the Capital of Lao Pdr. Journal of Sustainable Development of Energy, Water and Environment Systems, 2015, 3, 269-281.	0.9	3
77	Detection method of emerging leading papers using time transition. Scientometrics, 2014, 101, 1515-1533.	1.6	24
78	Finding linkage between technology and social issue: A Literature Based Discovery approach. Journal of Engineering and Technology Management - JET-M, 2014, 32, 160-184.	1.4	67
79	Detecting research fronts using different types of weighted citation networks. Journal of Engineering and Technology Management - JET-M, 2014, 32, 129-146.	1.4	49
80	Analysis of scientific research structure in Singapore using bibliometrics and network analysis for understanding their characteristics of R&D: A case study of biomedical field. , 2014, , .		1
81	Bibliometric analysis of service innovation research: Identifying knowledge domain and global network of knowledge. Technological Forecasting and Social Change, 2013, 80, 1085-1093.	6.2	58
82	Energy Efficiency Road Mapping in Three Future Scenarios for Lao PDR. Journal of Sustainable Development of Energy, Water and Environment Systems, 2013, 1, 172-186.	0.9	4
83	Bibliometric Analysis of International Collaboration in Wind and Solar Energy. Journal of Sustainable Development of Energy, Water and Environment Systems, 2013, 1, 187-198.	0.9	5
84	Bibliometric analysis of power grid research: Identifying knowledge domain. , 2012, , .		0
85	ACADEMIC LANDSCAPE OF INNOVATION RESEARCH AND NATIONAL INNOVATION SYSTEM POLICY REFORMATION IN JAPAN AND THE UNITED STATES. International Journal of Innovation and Technology Management, 2012, 09, 1250044.	0.8	5
86	Machine learning approach for finding business partners and building reciprocal relationships. Expert Systems With Applications, 2012, 39, 10402-10407.	4.4	61
87	Identifying and bridging networks in regional clusters. Technological Forecasting and Social Change, 2012, 79, 252-262.	6.2	30
88	Link prediction in citation networks. Journal of the Association for Information Science and Technology, 2012, 63, 78-85.	2.6	69
89	TQM organizational development for a global manufacturer. , 2011, , .		4
90	Structure of international research collaboration in wind and solar energy. , 2011, , .		2

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91	Detecting emerging research fronts in regenerative medicine by the citation network analysis of scientific publications. Technological Forecasting and Social Change, 2011, 78, 274-282.	6.2	115
92	Citation lag analysis in supply chain research. Scientometrics, 2011, 87, 221-232.	1.6	25
93	Measuring relatedness between communities in a citation network. Journal of the Association for Information Science and Technology, 2011, 62, 1360-1369.	2.6	21
94	Detecting potential technological fronts by comparing scientific papers and patents. Foresight, 2011, 13, 51-60.	1.2	43
95	Extracting the commercialization gap between science and technology – Case study of a solar cell. Technological Forecasting and Social Change, 2010, 77, 1147-1155.	6.2	128
96	Multiscale analysis of interfirm networks in regional clusters. Technovation, 2010, 30, 168-180.	4.2	47
97	An academic landscape of patent & innovation research for policy reform. , 2010, , .		0
98	Detecting emerging research fronts in regenerative medicine by citation network analysis of scientific publications. , 2009, , .		7
99	Academic landscape of innovation research and national innovation system policy reformation in Japan and the United States. , 2009, , .		1
100	An analysis of geographical agglomeration and modularized industrial networks in a regional cluster: A case study at Yamagata prefecture in Japan. Technovation, 2008, 28, 531-539.	4.2	58
101	Structure of interfirm networks in regional clusters. , 2008, , .		1
102	Do R&D and IT tax credits work? Evaluation of the Japanese tax reform. International Journal of Technology Management, 2005, 32, 277.	0.2	0