

Yuya Kajikawa

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.

123
papers

3,191
citations

32
h-index

54
g-index

152
ext. papers

3,879
ext. citations

4.4
avg, IF

5.93
L-index

#	Paper	IF	Citations
123	A Study of Private Equity Rounds of Entrepreneurial Finance in EU: Are Buyout Funds Uninvited Guests for Startup Ecosystems?. <i>Journal of Risk and Financial Management</i> , 2022 , 15, 236	2.4	
122	The Academic Landscapes of Manufacturing Enterprise Performance and Environmental Sustainability: A Study of Commonalities and Differences. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
121	Exploration of Shared Themes Between Food Security and Internet of Things Research Through Literature-Based Discovery. <i>Frontiers in Research Metrics and Analytics</i> , 2021 , 6, 652285	1.3	0
120	Major and recent trends in creativity research: An overview of the field with the aid of computational methods. <i>Creativity and Innovation Management</i> , 2021 , 30, 475-497	2.7	6
119	Using big data analytics to synthesize research domains and identify emerging fields in urban climatology. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021 , 12,	8.4	3
118	Automation-driven innovation management? Toward Innovation-Automation-Strategy cycle. <i>Technological Forecasting and Social Change</i> , 2021 , 168, 120723	9.5	7
117	How do we effectively communicate air pollution to change public attitudes and behaviours? A review. <i>Sustainability Science</i> , 2021 , 16, 2027	6.4	3
116	Exploring Topics in Bibliometric Research Through Citation Networks and Semantic Analysis. <i>Frontiers in Research Metrics and Analytics</i> , 2021 , 6, 742311	1.3	8
115	Ambidextrous Firm Strategy Insights From Internet of Things Linked Interfirm Deals. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-16	2.6	2
114	Transition Analysis of Budgetary Allocation for Projects on Hydrogen-Related Technologies in Japan. <i>Sustainability</i> , 2020 , 12, 8546	3.6	4
113	Emerging topics in energy storage based on a large-scale analysis of academic articles and patents. <i>Applied Energy</i> , 2020 , 263, 114625	10.7	20
112	Collaborative Patterns, Productivity, and Research Impact in the Careers of Star Researchers in a Japanese Semiconductor Company. <i>Frontiers in Research Metrics and Analytics</i> , 2020 , 5, 575862	1.3	0
111	A Network Approach for Mapping and Classifying Shared Terminologies Between Disparate Literatures in the Social Sciences. <i>Lecture Notes in Computer Science</i> , 2020 , 30-40	0.9	1
110	The roles of supply network centralities in firm performance and the moderating effects of reputation and export-orientation. <i>Production Planning and Control</i> , 2020 , 31, 1110-1127	4.3	3
109	Analysis on formation of emerging business ecosystems from deals activities of global electric vehicles hub firms. <i>Energy Policy</i> , 2020 , 145, 111532	7.2	10
108	Technology news and their linkage to production of knowledge in robotics research. <i>Technological Forecasting and Social Change</i> , 2019 , 143, 114-124	9.5	6
107	Extracting commercialization opportunities of the Internet of Things: Measuring text similarity between papers and patents. <i>Technological Forecasting and Social Change</i> , 2019 , 138, 45-68	9.5	14

106	Business, innovation and digital ecosystems landscape survey and knowledge cross sharing. <i>Technological Forecasting and Social Change</i> , 2019 , 147, 100-109	9.5	35
105	Bibliometrics and Networks: Trends and Typology of Emerging Antenna Propagation Technologies. <i>Series on Technology Management</i> , 2018 , 279-303	0.4	
104	Advanced Methods: Opportunities and Potential of the Internet of Things for Solving Social Issues. <i>Series on Technology Management</i> , 2018 , 531-558	0.4	1
103	Regulation and innovation: How should small unmanned aerial vehicles be regulated?. <i>Technological Forecasting and Social Change</i> , 2018 , 128, 262-274	9.5	27
102	A review of the ecosystem concept ¶Towards coherent ecosystem design. <i>Technological Forecasting and Social Change</i> , 2018 , 136, 49-58	9.5	153
101	An integrated framework for resilience research: a systematic review based on citation network analysis. <i>Sustainability Science</i> , 2018 , 13, 235-254	6.4	40
100	Comprehensive Analysis of Trends and Emerging Technologies in All Types of Fuel Cells Based on a Computational Method. <i>Sustainability</i> , 2018 , 10, 458	3.6	17
99	Analysis of Trends and Emerging Technologies in Water Electrolysis Research Based on a Computational Method: A Comparison with Fuel Cell Research. <i>Sustainability</i> , 2018 , 10, 478	3.6	30
98	Reframing socio-hydrological research to include a social science perspective. <i>Journal of Hydrology</i> , 2018 , 563, 76-83	6	36
97	Using acknowledgement data to characterize funding organizations by the types of research sponsored: the case of robotics research. <i>Scientometrics</i> , 2018 , 114, 883-904	3	13
96	Computer-aided diagnosis: A survey with bibliometric analysis. <i>International Journal of Medical Informatics</i> , 2017 , 101, 58-67	5.3	44
95	Generating novel research ideas using computational intelligence: A case study involving fuel cells and ammonia synthesis. <i>Technological Forecasting and Social Change</i> , 2017 , 120, 41-47	9.5	9
94	Academic landscape of 10 years of sustainability science. <i>Sustainability Science</i> , 2017 , 12, 869-873	6.4	15
93	Bibliometric Analysis of Social Robotics Research: Identifying Research Trends and Knowledgebase. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1316	2.6	24
92	An Exploratory Look at Supply Chains in Japan from Multiscale Network Perspectives. <i>The Review of Socionetwork Strategies</i> , 2017 , 11, 111-128	0.6	
91	Trends and Typology of Emerging Antenna Propagation Technologies: Citation Network Analysis. <i>International Journal of Innovation and Technology Management</i> , 2017 , 14, 1740005	1.1	6
90	Prediction of collaborative relationships by using network representation learning 2017 ,		2
89	2017 ,		2

88	Landscape of Research Areas for Zeolites and Metal-Organic Frameworks Using Computational Classification Based on Citation Networks. <i>Materials</i> , 2017 , 10,	3.5	13
87	Toward a Theory of Industrial Supply Networks: A Multi-Level Perspective via Network Analysis. <i>Entropy</i> , 2017 , 19, 382	2.8	7
86	Unconnected component inclusion technique for patent network analysis: Case study of Internet of Things-related technologies. <i>Journal of Informetrics</i> , 2016 , 10, 967-980	3.1	13
85	Extraction of business relationships in supply networks using statistical learning theory. <i>Heliyon</i> , 2016 , 2, e00123	3.6	7
84	Energy Policy and Perspectives 2016 , 107-119		
83	The effect of patent family information in patent citation network analysis: a comparative case study in the drivetrain domain. <i>Scientometrics</i> , 2015 , 104, 437-452	3	24
82	Knowledge combination modeling: The measurement of knowledge similarity between different technological domains. <i>Technological Forecasting and Social Change</i> , 2015 , 94, 187-201	9.5	49
81	Designing the coherent ecosystem: Review of the ecosystem concept in strategic management 2015 ,		3
80	Assessing the industrial opportunity of academic research with patent relatedness: A case study on polymer electrolyte fuel cells. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 469-475	9.5	25
79	Detection method of emerging leading papers using time transition. <i>Scientometrics</i> , 2014 , 101, 1515-1533	3	16
78	Shedding light on a neglected area: a new approach to knowledge creation. <i>Sustainability Science</i> , 2014 , 9, 193-204	6.4	5
77	Sustainability science: the changing landscape of sustainability research. <i>Sustainability Science</i> , 2014 , 9, 431-438	6.4	96
76	Finding linkage between technology and social issue: A Literature Based Discovery approach. <i>Journal of Engineering and Technology Management - JET-M</i> , 2014 , 32, 160-184	3.7	41
75	Detecting research fronts using different types of weighted citation networks. <i>Journal of Engineering and Technology Management - JET-M</i> , 2014 , 32, 129-146	3.7	35
74	A multilayered analysis of energy security research and the energy supply process. <i>Applied Energy</i> , 2014 , 123, 415-423	10.7	38
73	Bibliometric methodology to detect collaborative and competitive countries 2014 ,		1
72	Bibliometric analysis of service innovation research: Identifying knowledge domain and global network of knowledge. <i>Technological Forecasting and Social Change</i> , 2013 , 80, 1085-1093	9.5	42
71	A lead for transvaluation of global nuclear energy research and funded projects in Japan. <i>Applied Energy</i> , 2013 , 109, 145-153	10.7	5

70	Multi-level perspectives with technology readiness measures for aviation innovation. <i>Sustainability Science</i> , 2013 , 8, 87-101	6.4	30
69	Utilizing Risk Analysis and Scenario Planning for Technology Roadmapping 2013 , 231-244		2
68	Comparison of indicators to detect emerging researches using time transition in quasicrystals 2013 ,		1
67	Actual State of the Robotic Study Changed by the Implementation in the Real World. <i>Journal of the Robotics Society of Japan</i> , 2013 , 31, 804-815	0.1	1
66	Machine learning approach for finding business partners and building reciprocal relationships. <i>Expert Systems With Applications</i> , 2012 , 39, 10402-10407	7.8	41
65	Identifying and bridging networks in regional clusters. <i>Technological Forecasting and Social Change</i> , 2012 , 79, 252-262	9.5	19
64	Link prediction in citation networks. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 78-85		44
63	E-mail networks and leadership performance. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 600-606		4
62	ACADEMIC LANDSCAPE OF INNOVATION RESEARCH AND NATIONAL INNOVATION SYSTEM POLICY REFORMATION IN JAPAN AND THE UNITED STATES. <i>International Journal of Innovation and Technology Management</i> , 2012 , 09, 1250044	1.1	2
61	Innovation for Sustainability in Aviation 2012 , 55-72		1
60	Sustainability Research: From Science to Engineering 2012 , 569-570		
59	Detecting Research Fronts Using Weighted Citation Networks. <i>Journal of the Japan Society of Information and Knowledge</i> , 2012 , 22, 144-149	0.1	
58	Social-Scientific Study for Nuclear Energy Technology using Bibliometrics. <i>Journal of the Japan Society of Information and Knowledge</i> , 2012 , 22, 132-137	0.1	
57	Tackling Power Outages in Japan: The Earthquake Compels a Swift Transformation of the Power Supply. <i>Journal of Chemical Engineering of Japan</i> , 2011 ,	0.8	5
56	Detecting emerging research fronts in regenerative medicine by the citation network analysis of scientific publications. <i>Technological Forecasting and Social Change</i> , 2011 , 78, 274-282	9.5	84
55	Citation lag analysis in supply chain research. <i>Scientometrics</i> , 2011 , 87, 221-232	3	14
54	Analysis of building environment assessment frameworks and their implications for sustainability indicators. <i>Sustainability Science</i> , 2011 , 6, 233-246	6.4	58
53	Measuring relatedness between communities in a citation network. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1360-1369		17

52	Finding business partners and building reciprocal relationships - A machine learning approach 2011 ,		1
51	Detecting potential technological fronts by comparing scientific papers and patents. <i>Foresight</i> , 2011 , 13, 51-60	2.1	31
50	Innovation policy and information and knowledge science. <i>Journal of the Japan Society of Information and Knowledge</i> , 2011 , 21, 255-258	0.1	
49	Computer-assisted roadmapping: a case study in energy research. <i>Foresight</i> , 2010 , 12, 4-15	2.1	13
48	Multiscale analysis of interfirm networks in regional clusters. <i>Technovation</i> , 2010 , 30, 168-180	7.9	30
47	Towards institutional analysis of sustainability science: a quantitative examination of the patterns of research collaboration. <i>Sustainability Science</i> , 2010 , 5, 115-125	6.4	54
46	Tracking modularity in citation networks. <i>Scientometrics</i> , 2010 , 83, 783-792	3	20
45	Extracting the commercialization gap between science and technology [Case study of a solar cell. <i>Technological Forecasting and Social Change</i> , 2010 , 77, 1147-1155	9.5	91
44	Early Detection of Commercialization Opportunity By Analyzing Scientific and Technological Landscapes. <i>Journal of the Japan Society of Information and Knowledge</i> , 2010 , 20, 171-176	0.1	0
43	The Structure of International Collaboration in Green Technology Research. <i>Journal of the Japan Society of Information and Knowledge</i> , 2010 , 20, 177-182	0.1	
42	Science Commons and Challenge of Information and Knowledge Science. <i>Journal of Information Processing and Management</i> , 2010 , 53, 275-277		
41	Detecting emerging research fronts in regenerative medicine by citation network analysis of scientific publications 2009 ,		4
40	IDENTIFYING THE LARGE-SCALE STRUCTURE OF THE BLOGOSPHERE. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2009 , 12, 207-219	0.8	3
39	Citation network analysis of organic LEDs. <i>Technological Forecasting and Social Change</i> , 2009 , 76, 1115-1123	9.5	68
38	Comparative study on methods of detecting research fronts using different types of citation. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 571-580		109
37	Nanobiotechnology as an emerging research domain from nanotechnology: A bibliometric approach. <i>Scientometrics</i> , 2009 , 80, 23-38	3	49
36	Optics: a bibliometric approach to detect emerging research domains and intellectual bases. <i>Scientometrics</i> , 2009 , 78, 543-558	3	34
35	Early detection of innovations from citation networks 2009 ,		2

34	Interdisciplinary research detection by citation indicators 2009 ,		6
33	2009 ,		1
32	Visualization of nano risk research field to clarify domains year by year. <i>Journal of Physics: Conference Series</i> , 2009 , 170, 012033	0.3	1
31	Development of the Proverb Quoting System Using Natural Language Processing. <i>Journal of the Japan Society of Information and Knowledge</i> , 2009 , 19, 74-79	0.1	
30	Extraction of Interdisciplinary Papers by Network Indicators. <i>Journal of the Japan Society of Information and Knowledge</i> , 2009 , 19, 170-173	0.1	
29	Roughness evolution during chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2008 , 112, 311-318	1.8	10
28	Structure of knowledge in the science and technology roadmaps. <i>Technological Forecasting and Social Change</i> , 2008 , 75, 1-11	9.5	29
27	Tracking emerging technologies in energy research: Toward a roadmap for sustainable energy. <i>Technological Forecasting and Social Change</i> , 2008 , 75, 771-782	9.5	171
26	Structure of research on biomass and bio-fuels: A citation-based approach. <i>Technological Forecasting and Social Change</i> , 2008 , 75, 1349-1359	9.5	71
25	Detecting emerging research fronts based on topological measures in citation networks of scientific publications. <i>Technovation</i> , 2008 , 28, 758-775	7.9	175
24	An analysis of geographical agglomeration and modularized industrial networks in a regional cluster: A case study at Yamagata prefecture in Japan. <i>Technovation</i> , 2008 , 28, 531-539	7.9	37
23	Research core and framework of sustainability science. <i>Sustainability Science</i> , 2008 , 3, 215-239	6.4	224
22	Analysis of Research Front and Hierarchical Structure of Science Based on Modularity. <i>Journal of the Japan Society of Information and Knowledge</i> , 2008 , 18, 189-194	0.1	
21	Causal Knowledge Extraction from Scientific Papers by Engineering Ontology. <i>Journal of the Japan Society of Information and Knowledge</i> , 2008 , 18, 177-180	0.1	
20	Topological analysis of citation networks to discover the future core articles. <i>Journal of the Association for Information Science and Technology</i> , 2007 , 58, 872-882		44
19	Citation Network of CVD Research: Research Topics and Journals. <i>Chemical Vapor Deposition</i> , 2007 , 13, 523-525		3
18	Creating an academic landscape of sustainability science: an analysis of the citation network. <i>Sustainability Science</i> , 2007 , 2, 221-231	6.4	183
17	Halide CVD of Bi ₂ O ₃ Under Atmospheric Pressure: Synthesis of ERods and EFilms. <i>Chemical Vapor Deposition</i> , 2006 , 12, 203-206		5

16	Filling the gap between researchers studying different materials and different methods: a proposal for structured keywords. <i>Journal of Information Science</i> , 2006 , 32, 511-524	2	25
15	Texture development of non-epitaxial polycrystalline ZnO films. <i>Journal of Crystal Growth</i> , 2006 , 289, 387-394	1.6	127
14	Causal knowledge extraction by natural language processing in material science: a case study in chemical vapor deposition. <i>Data Science Journal</i> , 2006 , 5, 108-118	2	4
13	Growth mode during initial stage of chemical vapor deposition. <i>Applied Surface Science</i> , 2005 , 245, 281-289	2.9	39
12	Nucleation of W during Chemical Vapor Deposition from WF ₆ and SiH ₄ . <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 3945-3950	1.4	14
11	Incubation Time during Chemical Vapor Deposition of Si onto SiO ₂ from Silane. <i>Chemical Vapor Deposition</i> , 2004 , 10, 128-133		18
10	A Simple Index to Restrain Abnormal Protrusions in Films Fabricated Using CVD under Diffusion-Limited Conditions. <i>Chemical Vapor Deposition</i> , 2004 , 10, 221-228		9
9	Use of process indices for simplification of the description of vapor deposition systems. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 111, 156-163	3.1	7
8	Combinatorial masked deposition: simple method to control deposition flux and its spatial distribution. <i>Applied Surface Science</i> , 2004 , 225, 372-379	6.7	20
7	Preferred orientation and film structure of TaN films deposited by reactive magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004 , 22, 332-338	2.9	13
6	Comprehensive perspective on the mechanism of preferred orientation in reactive-sputter-deposited nitrides. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003 , 21, 1943-1954	2.9	89
5	Mechanisms Controlling Preferred Orientation of Chemical Vapour Deposited Polycrystalline Films. <i>Solid State Phenomena</i> , 2003 , 93, 411-418	0.4	7
4	Growth of Trumpet-Like Protrusions During the CVD of Silicon Carbide Films. <i>Chemical Vapor Deposition</i> , 2002 , 8, 52-55		4
3	Cone Structure Formation by Preferred Growth of Random Nuclei in Chemical Vapor Deposited Epitaxial Silicon Films. <i>Chemical Vapor Deposition</i> , 2002 , 8, 87-89		4
2	Preferred Orientation of Chemical Vapor Deposited Polycrystalline Silicon Carbide Films. <i>Chemical Vapor Deposition</i> , 2002 , 8, 99-104		42
1	Innovation for Sustainability in Aviation 885-902		