

# Yuya Kajikawa

## List of Publications by Citations

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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	Research core and framework of sustainability science. <i>Sustainability Science</i> , <b>2008</b> , 3, 215-239	6.4	224
122	Creating an academic landscape of sustainability science: an analysis of the citation network. <i>Sustainability Science</i> , <b>2007</b> , 2, 221-231	6.4	183
121	Detecting emerging research fronts based on topological measures in citation networks of scientific publications. <i>Technovation</i> , <b>2008</b> , 28, 758-775	7.9	175
120	Tracking emerging technologies in energy research: Toward a roadmap for sustainable energy. <i>Technological Forecasting and Social Change</i> , <b>2008</b> , 75, 771-782	9.5	171
119	A review of the ecosystem concept □Towards coherent ecosystem design. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 136, 49-58	9.5	153
118	Texture development of non-epitaxial polycrystalline ZnO films. <i>Journal of Crystal Growth</i> , <b>2006</b> , 289, 387-394	1.6	127
117	Comparative study on methods of detecting research fronts using different types of citation. <i>Journal of the Association for Information Science and Technology</i> , <b>2009</b> , 60, 571-580		109
116	Sustainability science: the changing landscape of sustainability research. <i>Sustainability Science</i> , <b>2014</b> , 9, 431-438	6.4	96
115	Extracting the commercialization gap between science and technology □Case study of a solar cell. <i>Technological Forecasting and Social Change</i> , <b>2010</b> , 77, 1147-1155	9.5	91
114	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> , <b>2003</b> , 21, 1943-1954	2.9	89
113	Detecting emerging research fronts in regenerative medicine by the citation network analysis of scientific publications. <i>Technological Forecasting and Social Change</i> , <b>2011</b> , 78, 274-282	9.5	84
112	Structure of research on biomass and bio-fuels: A citation-based approach. <i>Technological Forecasting and Social Change</i> , <b>2008</b> , 75, 1349-1359	9.5	71
111	Citation network analysis of organic LEDs. <i>Technological Forecasting and Social Change</i> , <b>2009</b> , 76, 1115-1123	9.5	68
110	Analysis of building environment assessment frameworks and their implications for sustainability indicators. <i>Sustainability Science</i> , <b>2011</b> , 6, 233-246	6.4	58
109	Towards institutional analysis of sustainability science: a quantitative examination of the patterns of research collaboration. <i>Sustainability Science</i> , <b>2010</b> , 5, 115-125	6.4	54
108	Knowledge combination modeling: The measurement of knowledge similarity between different technological domains. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 94, 187-201	9.5	49
107	Nanobiotechnology as an emerging research domain from nanotechnology: A bibliometric approach. <i>Scientometrics</i> , <b>2009</b> , 80, 23-38	3	49

106	Computer-aided diagnosis: A survey with bibliometric analysis. <i>International Journal of Medical Informatics</i> , <b>2017</b> , 101, 58-67	5.3	44
105	Link prediction in citation networks. <i>Journal of the Association for Information Science and Technology</i> , <b>2012</b> , 63, 78-85		44
104	Topological analysis of citation networks to discover the future core articles. <i>Journal of the Association for Information Science and Technology</i> , <b>2007</b> , 58, 872-882		44
103	Bibliometric analysis of service innovation research: Identifying knowledge domain and global network of knowledge. <i>Technological Forecasting and Social Change</i> , <b>2013</b> , 80, 1085-1093	9.5	42
102	Preferred Orientation of Chemical Vapor Deposited Polycrystalline Silicon Carbide Films. <i>Chemical Vapor Deposition</i> , <b>2002</b> , 8, 99-104		42
101	Finding linkage between technology and social issue: A Literature Based Discovery approach. <i>Journal of Engineering and Technology Management - JET-M</i> , <b>2014</b> , 32, 160-184	3.7	41
100	Machine learning approach for finding business partners and building reciprocal relationships. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10402-10407	7.8	41
99	An integrated framework for resilience research: a systematic review based on citation network analysis. <i>Sustainability Science</i> , <b>2018</b> , 13, 235-254	6.4	40
98	Growth mode during initial stage of chemical vapor deposition. <i>Applied Surface Science</i> , <b>2005</b> , 245, 281-289		39
97	A multilayered analysis of energy security research and the energy supply process. <i>Applied Energy</i> , <b>2014</b> , 123, 415-423	10.7	38
96	An analysis of geographical agglomeration and modularized industrial networks in a regional cluster: A case study at Yamagata prefecture in Japan. <i>Technovation</i> , <b>2008</b> , 28, 531-539	7.9	37
95	Reframing socio-hydrological research to include a social science perspective. <i>Journal of Hydrology</i> , <b>2018</b> , 563, 76-83	6	36
94	Business, innovation and digital ecosystems landscape survey and knowledge cross sharing. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 147, 100-109	9.5	35
93	Detecting research fronts using different types of weighted citation networks. <i>Journal of Engineering and Technology Management - JET-M</i> , <b>2014</b> , 32, 129-146	3.7	35
92	Optics: a bibliometric approach to detect emerging research domains and intellectual bases. <i>Scientometrics</i> , <b>2009</b> , 78, 543-558	3	34
91	Detecting potential technological fronts by comparing scientific papers and patents. <i>Foresight</i> , <b>2011</b> , 13, 51-60	2.1	31
90	Analysis of Trends and Emerging Technologies in Water Electrolysis Research Based on a Computational Method: A Comparison with Fuel Cell Research. <i>Sustainability</i> , <b>2018</b> , 10, 478	3.6	30
89	Multi-level perspectives with technology readiness measures for aviation innovation. <i>Sustainability Science</i> , <b>2013</b> , 8, 87-101	6.4	30

88	Multiscale analysis of interfirm networks in regional clusters. <i>Technovation</i> , <b>2010</b> , 30, 168-180	7.9	30
87	Structure of knowledge in the science and technology roadmaps. <i>Technological Forecasting and Social Change</i> , <b>2008</b> , 75, 1-11	9.5	29
86	Regulation and innovation: How should small unmanned aerial vehicles be regulated?. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 128, 262-274	9.5	27
85	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> , <b>2015</b> , 90, 469-475	9.5	25
84	Filling the gap between researchers studying different materials and different methods: a proposal for structured keywords. <i>Journal of Information Science</i> , <b>2006</b> , 32, 511-524	2	25
83	The effect of patent family information in patent citation network analysis: a comparative case study in the drivetrain domain. <i>Scientometrics</i> , <b>2015</b> , 104, 437-452	3	24
82	Bibliometric Analysis of Social Robotics Research: Identifying Research Trends and Knowledgebase. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1316	2.6	24
81	Emerging topics in energy storage based on a large-scale analysis of academic articles and patents. <i>Applied Energy</i> , <b>2020</b> , 263, 114625	10.7	20
80	Tracking modularity in citation networks. <i>Scientometrics</i> , <b>2010</b> , 83, 783-792	3	20
79	Combinatorial masked deposition: simple method to control deposition flux and its spatial distribution. <i>Applied Surface Science</i> , <b>2004</b> , 225, 372-379	6.7	20
78	Identifying and bridging networks in regional clusters. <i>Technological Forecasting and Social Change</i> , <b>2012</b> , 79, 252-262	9.5	19
77	Incubation Time during Chemical Vapor Deposition of Si onto SiO <sub>2</sub> from Silane. <i>Chemical Vapor Deposition</i> , <b>2004</b> , 10, 128-133		18
76	Comprehensive Analysis of Trends and Emerging Technologies in All Types of Fuel Cells Based on a Computational Method. <i>Sustainability</i> , <b>2018</b> , 10, 458	3.6	17
75	Measuring relatedness between communities in a citation network. <i>Journal of the Association for Information Science and Technology</i> , <b>2011</b> , 62, 1360-1369		17
74	Detection method of emerging leading papers using time transition. <i>Scientometrics</i> , <b>2014</b> , 101, 1515-1533		16
73	Academic landscape of 10 years of sustainability science. <i>Sustainability Science</i> , <b>2017</b> , 12, 869-873	6.4	15
72	Extracting commercialization opportunities of the Internet of Things: Measuring text similarity between papers and patents. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 138, 45-68	9.5	14
71	Citation lag analysis in supply chain research. <i>Scientometrics</i> , <b>2011</b> , 87, 221-232	3	14

70	Nucleation of W during Chemical Vapor Deposition from WF <sub>6</sub> and SiH <sub>4</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 3945-3950	1.4	14
69	Unconnected component inclusion technique for patent network analysis: Case study of Internet of Things-related technologies. <i>Journal of Informetrics</i> , <b>2016</b> , 10, 967-980	3.1	13
68	Landscape of Research Areas for Zeolites and Metal-Organic Frameworks Using Computational Classification Based on Citation Networks. <i>Materials</i> , <b>2017</b> , 10,	3.5	13
67	Computer-assisted roadmapping: a case study in energy research. <i>Foresight</i> , <b>2010</b> , 12, 4-15	2.1	13
66	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> , <b>2004</b> , 22, 332-338	2.9	13
65	Using acknowledgement data to characterize funding organizations by the types of research sponsored: the case of robotics research. <i>Scientometrics</i> , <b>2018</b> , 114, 883-904	3	13
64	Roughness evolution during chemical vapor deposition. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 112, 311-318	3.18	10
63	Analysis on formation of emerging business ecosystems from deals activities of global electric vehicles hub firms. <i>Energy Policy</i> , <b>2020</b> , 145, 111532	7.2	10
62	Generating novel research ideas using computational intelligence: A case study involving fuel cells and ammonia synthesis. <i>Technological Forecasting and Social Change</i> , <b>2017</b> , 120, 41-47	9.5	9
61	A Simple Index to Restrain Abnormal Protrusions in Films Fabricated Using CVD under Diffusion-Limited Conditions. <i>Chemical Vapor Deposition</i> , <b>2004</b> , 10, 221-228		9
60	Exploring Topics in Bibliometric Research Through Citation Networks and Semantic Analysis. <i>Frontiers in Research Metrics and Analytics</i> , <b>2021</b> , 6, 742311	1.3	8
59	Extraction of business relationships in supply networks using statistical learning theory. <i>Heliyon</i> , <b>2016</b> , 2, e00123	3.6	7
58	Toward a Theory of Industrial Supply Networks: A Multi-Level Perspective via Network Analysis. <i>Entropy</i> , <b>2017</b> , 19, 382	2.8	7
57	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> , <b>2004</b> , 111, 156-163	3.1	7
56	Mechanisms Controlling Preferred Orientation of Chemical Vapour Deposited Polycrystalline Films. <i>Solid State Phenomena</i> , <b>2003</b> , 93, 411-418	0.4	7
55	Automation-driven innovation management? Toward Innovation-Automation-Strategy cycle. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 168, 120723	9.5	7
54	Technology news and their linkage to production of knowledge in robotics research. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 143, 114-124	9.5	6
53	Trends and Typology of Emerging Antenna Propagation Technologies: Citation Network Analysis. <i>International Journal of Innovation and Technology Management</i> , <b>2017</b> , 14, 1740005	1.1	6

52	Interdisciplinary research detection by citation indicators <b>2009</b> ,		6
51	Major and recent trends in creativity research: An overview of the field with the aid of computational methods. <i>Creativity and Innovation Management</i> , <b>2021</b> , 30, 475-497	2.7	6
50	Shedding light on a neglected area: a new approach to knowledge creation. <i>Sustainability Science</i> , <b>2014</b> , 9, 193-204	6.4	5
49	A lead for transvaluation of global nuclear energy research and funded projects in Japan. <i>Applied Energy</i> , <b>2013</b> , 109, 145-153	10.7	5
48	Tackling Power Outages in Japan: The Earthquake Compels a Swift Transformation of the Power Supply. <i>Journal of Chemical Engineering of Japan</i> , <b>2011</b> ,	0.8	5
47	Halide CVD of Bi <sub>2</sub> O <sub>3</sub> Under Atmospheric Pressure: Synthesis of $\mu$ Rods and $\mu$ Films. <i>Chemical Vapor Deposition</i> , <b>2006</b> , 12, 203-206		5
46	Transition Analysis of Budgetary Allocation for Projects on Hydrogen-Related Technologies in Japan. <i>Sustainability</i> , <b>2020</b> , 12, 8546	3.6	4
45	E-mail networks and leadership performance. <i>Journal of the Association for Information Science and Technology</i> , <b>2012</b> , 63, 600-606		4
44	Detecting emerging research fronts in regenerative medicine by citation network analysis of scientific publications <b>2009</b> ,		4
43	Growth of Trumpet-Like Protrusions During the CVD of Silicon Carbide Films. <i>Chemical Vapor Deposition</i> , <b>2002</b> , 8, 52-55		4
42	Cone Structure Formation by Preferred Growth of Random Nuclei in Chemical Vapor Deposited Epitaxial Silicon Films. <i>Chemical Vapor Deposition</i> , <b>2002</b> , 8, 87-89		4
41	Causal knowledge extraction by natural language processing in material science: a case study in chemical vapor deposition. <i>Data Science Journal</i> , <b>2006</b> , 5, 108-118	2	4
40	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> , <b>2021</b> , 18,	4.6	4
39	Designing the coherent ecosystem: Review of the ecosystem concept in strategic management <b>2015</b> ,		3
38	IDENTIFYING THE LARGE-SCALE STRUCTURE OF THE BLOGOSPHERE. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2009</b> , 12, 207-219	0.8	3
37	Citation Network of CVD Research: Research Topics and Journals. <i>Chemical Vapor Deposition</i> , <b>2007</b> , 13, 523-525		3
36	The roles of supply network centralities in firm performance and the moderating effects of reputation and export-orientation. <i>Production Planning and Control</i> , <b>2020</b> , 31, 1110-1127	4.3	3
35	Using big data analytics to synthesize research domains and identify emerging fields in urban climatology. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2021</b> , 12,	8.4	3

34	How do we effectively communicate air pollution to change public attitudes and behaviours? A review. <i>Sustainability Science</i> , <b>2021</b> , 16, 2027	6.4	3
33	Prediction of collaborative relationships by using network representation learning <b>2017</b> ,		2
32	<b>2017</b> ,		2
31	Utilizing Risk Analysis and Scenario Planning for Technology Roadmapping <b>2013</b> , 231-244		2
30	Early detection of innovations from citation networks <b>2009</b> ,		2
29	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> , <b>2012</b> , 09, 1250044	1.1	2
28	Ambidextrous Firm Strategy Insights From Internet of Things Linked Interfirm Deals. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 1-16	2.6	2
27	Advanced Methods: Opportunities and Potential of the Internet of Things for Solving Social Issues. <i>Series on Technology Management</i> , <b>2018</b> , 531-558	0.4	1
26	Bibliometric methodology to detect collaborative and competitive countries <b>2014</b> ,		1
25	Comparison of indicators to detect emerging researches using time transition in quasicrystals <b>2013</b> ,		1
24	Actual State of the Robotic Study Changed by the Implementation in the Real World. <i>Journal of the Robotics Society of Japan</i> , <b>2013</b> , 31, 804-815	0.1	1
23	Finding business partners and building reciprocal relationships - A machine learning approach <b>2011</b> ,		1
22	<b>2009</b> ,		1
21	Visualization of nano risk research field to clarify domains year by year. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 170, 012033	0.3	1
20	Innovation for Sustainability in Aviation <b>2012</b> , 55-72		1
19	A Network Approach for Mapping and Classifying Shared Terminologies Between Disparate Literatures in the Social Sciences. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 30-40	0.9	1
18	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> , <b>2020</b> , 5, 575862	1.3	0
17	Early Detection of Commercialization Opportunity By Analyzing Scientific and Technological Landscapes. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2010</b> , 20, 171-176	0.1	0



16	Exploration of Shared Themes Between Food Security and Internet of Things Research Through Literature-Based Discovery. <i>Frontiers in Research Metrics and Analytics</i> , <b>2021</b> , 6, 652285	1.3	0
15	Bibliometrics and Networks: Trends and Typology of Emerging Antenna Propagation Technologies. <i>Series on Technology Management</i> , <b>2018</b> , 279-303	0.4	
14	An Exploratory Look at Supply Chains in Japan from Multiscale Network Perspectives. <i>The Review of Socionetwork Strategies</i> , <b>2017</b> , 11, 111-128	0.6	
13	Innovation for Sustainability in Aviation885-902		
12	Analysis of Research Front and Hierarchical Structure of Science Based on Modularity. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2008</b> , 18, 189-194	0.1	
11	Causal Knowledge Extraction from Scientific Papers by Engineering Ontology. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2008</b> , 18, 177-180	0.1	
10	Development of the Proverb Quoting System Using Natural Language Processing. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2009</b> , 19, 74-79	0.1	
9	Extraction of Interdisciplinary Papers by Network Indicators. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2009</b> , 19, 170-173	0.1	
8	The Structure of International Collaboration in Green Technology Research. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2010</b> , 20, 177-182	0.1	
7	Science Commons and Challenge of Information and Knowledge Science. <i>Journal of Information Processing and Management</i> , <b>2010</b> , 53, 275-277		
6	Innovation policy and information and knowledge science. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2011</b> , 21, 255-258	0.1	
5	Sustainability Research: From Science to Engineering <b>2012</b> , 569-570		
4	Detecting Research Fronts Using Weighted Citation Networks. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2012</b> , 22, 144-149	0.1	
3	Social-Scientific Study for Nuclear Energy Technology using Bibliometrics. <i>Journal of the Japan Society of Information and Knowledge</i> , <b>2012</b> , 22, 132-137	0.1	
2	Energy Policy and Perspectives <b>2016</b> , 107-119		
1	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> , <b>2022</b> , 15, 236	2.4	