

# Mu-Hsuan Huang

## 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.

97  
papers

1,651  
citations

25  
h-index

36  
g-index

107  
ext. papers

1,992  
ext. citations

3.1  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
97	Characteristics of research output in social sciences and humanities: From a research evaluation perspective. <i>Journal of the Association for Information Science and Technology</i> , <b>2008</b> , 59, 1819-1828		95
96	Evolution of research subjects in library and information science based on keyword, bibliographical coupling, and co-citation analyses. <i>Scientometrics</i> , <b>2015</b> , 105, 2071-2087	3	93
95	A study of the evolution of interdisciplinarity in library and information science: Using three bibliometric methods. <i>Journal of the Association for Information Science and Technology</i> , <b>2012</b> , 63, 22-33		66
94	How can academic innovation performance in university industry collaboration be improved?. <i>Technological Forecasting and Social Change</i> , <b>2017</b> , 123, 210-215	9.5	56
93	Identifying and visualizing technology evolution: A case study of smart grid technology. <i>Technological Forecasting and Social Change</i> , <b>2012</b> , 79, 1099-1110	9.5	47
92	Counting methods, country rank changes, and counting inflation in the assessment of national research productivity and impact. <i>Journal of the Association for Information Science and Technology</i> , <b>2011</b> , 62, 2427-2436		45
91	Technological collaboration patterns in solar cell industry based on patent inventors and assignees analysis. <i>Scientometrics</i> , <b>2013</b> , 96, 427-441	3	44
90	The relationships between the patent performance and corporation performance. <i>Journal of Informetrics</i> , <b>2012</b> , 6, 131-139	3.1	42
89	Constructing a patent citation map using bibliographic coupling: A study of Taiwan's high-tech companies. <i>Scientometrics</i> , <b>2003</b> , 58, 489-506	3	42
88	Factors of university industry collaboration affecting university innovation performance. <i>Journal of Technology Transfer</i> , <b>2020</b> , 45, 560-577	4.4	42
87	Strong ties and weak ties of the knowledge spillover network in the semiconductor industry. <i>Technological Forecasting and Social Change</i> , <b>2017</b> , 118, 114-127	9.5	41
86	The inventive activities and collaboration pattern of university industry government in China based on patent analysis. <i>Scientometrics</i> , <b>2012</b> , 90, 231-251	3	41
85	The influences of counting methods on university rankings based on paper count and citation count. <i>Journal of Informetrics</i> , <b>2013</b> , 7, 611-621	3.1	40
84	International collaboration development in nanotechnology: a perspective of patent network analysis. <i>Scientometrics</i> , <b>2014</b> , 98, 683-702	3	39
83	Opening the black box of QS World University Rankings. <i>Research Evaluation</i> , <b>2012</b> , 21, 71-78	1.7	39
82	International scientific and technological collaboration of China from 2004 to 2008: a perspective from paper and patent analysis. <i>Scientometrics</i> , <b>2012</b> , 91, 65-80	3	34
81	Using Essential Patent Index and Essential Technological Strength to evaluate industrial technological innovation competitiveness. <i>Scientometrics</i> , <b>2007</b> , 71, 101-116	3	32

80	Detecting research fronts in OLED field using bibliographic coupling with sliding window. <i>Scientometrics</i> , <b>2014</b> , 98, 1721-1744	3	30
79	The influence of document presentation order and number of documents judged on users' judgments of relevance. <i>Journal of the Association for Information Science and Technology</i> , <b>2004</b> , 55, 970-979		30
78	Increasing science and technology linkage in fuel cells: A cross citation analysis of papers and patents. <i>Journal of Informetrics</i> , <b>2015</b> , 9, 237-249	3.1	29
77	Core technologies and key industries in Taiwan from 1978 to 2002: A perspective from patent analysis. <i>Scientometrics</i> , <b>2005</b> , 64, 31-53	3	28
76	Bibliometric analysis of complementary and alternative medicine research over three decades. <i>Scientometrics</i> , <b>2011</b> , 88, 617-626	3	27
75	Exploring the h-index at the institutional level. <i>Online Information Review</i> , <b>2012</b> , 36, 534-547	2	25
74	The trend of concentration in scientific research and technological innovation: A reduction of the predominant role of the U.S. in world research & technology. <i>Journal of Informetrics</i> , <b>2012</b> , 6, 457-468	3.1	25
73	A comparative study of interdisciplinary changes between information science and library science. <i>Scientometrics</i> , <b>2012</b> , 91, 789-803	3	24
72	Using the comprehensive patent citation network (CPC) to evaluate patent value. <i>Scientometrics</i> , <b>2015</b> , 105, 1319-1346	3	23
71	Ranking patent assignee performance by h-index and shape descriptors. <i>Journal of Informetrics</i> , <b>2011</b> , 5, 303-312	3.1	23
70	Research evaluation of research-oriented universities in Taiwan from 1993 to 2003. <i>Scientometrics</i> , <b>2006</b> , 67, 419-435	3	23
69	A comparative study on detecting research fronts in the organic light-emitting diode (OLED) field using bibliographic coupling and co-citation. <i>Scientometrics</i> , <b>2015</b> , 102, 2041-2057	3	22
68	Identifying missing relevant patent citation links by using bibliographic coupling in LED illuminating technology. <i>Journal of Informetrics</i> , <b>2011</b> , 5, 400-412	3.1	21
67	Scientific production and citation impact: a bibliometric analysis in acupuncture over three decades. <i>Scientometrics</i> , <b>2012</b> , 93, 1061-1079	3	18
66	The influence of journal self-citations on journal impact factor and immediacy index. <i>Online Information Review</i> , <b>2012</b> , 36, 639-654	2	18
65	Probing the effect of author self-citations on h index: A case study of environmental engineering. <i>Journal of Information Science</i> , <b>2011</b> , 37, 453-461	2	17
64	Industry-academia collaboration in fuel cells: a perspective from paper and patent analysis. <i>Scientometrics</i> , <b>2015</b> , 105, 1301-1318	3	16
63	Globalization of collaborative creativity through cross-border patent activities. <i>Journal of Informetrics</i> , <b>2012</b> , 6, 226-236	3.1	16

62	Semiconductor industry value chain: characters' technology evolution. <i>Industrial Management and Data Systems</i> , <b>2011</b> , 111, 370-390	3.6	16
61	Detecting the temporal gaps of technology fronts: A case study of smart grid field. <i>Technological Forecasting and Social Change</i> , <b>2012</b> , 79, 1705-1719	9.5	15
60	Positioning research and innovation performance using shape centroids of h-core and h-tail. <i>Journal of Informetrics</i> , <b>2011</b> , 5, 515-528	3.1	15
59	Exploring temporal relationships between scientific and technical fronts: a case of biotechnology field. <i>Scientometrics</i> , <b>2014</b> , 98, 1085-1100	3	14
58	Global performance of traditional Chinese medicine over three decades. <i>Scientometrics</i> , <b>2012</b> , 90, 945-958	3	14
57	The relationship between co-authorship, currency of references and author self-citations. <i>Scientometrics</i> , <b>2012</b> , 90, 343-360	3	14
56	An analysis of global research funding from subject field and funding agencies perspectives in the G9 countries. <i>Scientometrics</i> , <b>2018</b> , 115, 833-847	3	13
55	Influences of counting methods on country rankings: a perspective from patent analysis. <i>Scientometrics</i> , <b>2014</b> , 98, 2087-2102	3	13
54	One category, two communities: subfield differences in Information Science and Library Science in Journal Citation Reports. <i>Scientometrics</i> , <b>2019</b> , 119, 1059-1079	3	11
53	Measuring science-based science linkage and non-science-based linkage of patents through non-patent references. <i>Journal of Informetrics</i> , <b>2015</b> , 9, 488-498	3.1	11
52	Prominent institutions in international collaboration network in astronomy and astrophysics. <i>Scientometrics</i> , <b>2013</b> , 97, 443-460	3	11
51	Interaction between science and technology in the field of fuel cells based on patent paper analysis. <i>Electronic Library</i> , <b>2017</b> , 35, 152-166	1.5	10
50	A study of research collaboration in the pre-web and post-web stages: A coauthorship analysis of the information systems discipline. <i>Journal of the Association for Information Science and Technology</i> , <b>2015</b> , 66, 778-797	2.7	10
49	Technological impact factor: An indicator to measure the impact of academic publications on practical innovation. <i>Journal of Informetrics</i> , <b>2014</b> , 8, 241-251	3.1	10
48	The unbalanced performance and regional differences in scientific and technological collaboration in the field of solar cells. <i>Scientometrics</i> , <b>2013</b> , 94, 423-438	3	10
47	Industry evolution and key technologies in China based on patent analysis. <i>Scientometrics</i> , <b>2011</b> , 87, 175-188	3.88	10
46	The effects of research resources on international collaboration in the astronomy community. <i>Journal of the Association for Information Science and Technology</i> , <b>2016</b> , 67, 2489-2510	2.7	9
45	Exploring technology evolution and transition characteristics of leading countries: A case of fuel cell field. <i>Advanced Engineering Informatics</i> , <b>2013</b> , 27, 366-377	7.4	9

44	Do funding sources matter?: The impact of university-industry collaboration funding sources on innovation performance of universities. <i>Technology Analysis and Strategic Management</i> , <b>2019</b> , 31, 1368-1380	3.2	8
43	A comparative study of patent counts by the inventor country and the assignee country. <i>Scientometrics</i> , <b>2014</b> , 100, 577-593	3	8
42	Citation patterns of the pre-web and web-prevalent environments: The moderating effects of domain knowledge. <i>Journal of the Association for Information Science and Technology</i> , <b>2012</b> , 63, 2182-2194		8
41	A probe into dynamic measures for h-core and h-tail. <i>Journal of Informetrics</i> , <b>2013</b> , 7, 129-137	3.1	7
40	Driving factors of external funding and funding effects on academic innovation performance in university-industry-government linkages. <i>Scientometrics</i> , <b>2013</b> , 94, 1077-1098	3	7
39	Constructing a new patent bibliometric performance measure by using modified citation rate analyses with dynamic backward citation windows. <i>Scientometrics</i> , <b>2010</b> , 82, 149-163	3	7
38	Measuring technological performance of assignees using trace metrics in three fields. <i>Scientometrics</i> , <b>2015</b> , 104, 61-86	3	6
37	Exploring patent performance and technology interactions of universities, industries, governments and individuals. <i>Scientometrics</i> , <b>2013</b> , 96, 11-26	3	6
36	Inequality of publishing performance and international collaboration in physics. <i>Journal of the Association for Information Science and Technology</i> , <b>2011</b> , 62, 1156-1165		6
35	International collaboration and counting inflation in the assessment of national research productivity. <i>Proceedings of the American Society for Information Science and Technology</i> , <b>2010</b> , 47, 1-4		6
34	Technological evolution seen from the USPC reclassifications. <i>Scientometrics</i> , <b>2016</b> , 107, 537-553	3	5
33	Capturing and Tracking Performance of Patent Portfolio Using \$h\$ -Complement Area Centroid. <i>IEEE Transactions on Engineering Management</i> , <b>2013</b> , 60, 496-505	2.6	5
32	The Evolution of Knowledge Spillover and Company cluster in Semiconductor Industry. <i>Journal of the Knowledge Economy</i> , <b>2012</b> , 3, 109-124	1.3	5
31	A Citation Analysis of Western Journals Cited in Taiwan's Library and Information Science and History Research Journals: From a Research Evaluation Perspective. <i>Journal of Academic Librarianship</i> , <b>2011</b> , 37, 34-45	1.5	5
30	Evolution of technology dependence among leading semiconductor companies. <i>Industrial Management and Data Systems</i> , <b>2011</b> , 111, 1136-1152	3.6	4
29	Pausal behavior of end-users in online searching. <i>Information Processing and Management</i> , <b>2003</b> , 39, 425-444	3.5	4
28	A comparative study on three citation windows for detecting research fronts. <i>Scientometrics</i> , <b>2016</b> , 109, 1835-1853	3	4
27	BIBLIOMETRIC ANALYSIS OF ACUPUNCTURE RESEARCH FRONTS AND THEIR WORLDWIDE DISTRIBUTION OVER THREE DECADES. <i>Tropical Journal of Obstetrics and Gynaecology</i> , <b>2017</b> , 14, 257-273	0.3	3

26	Missing links: Timing characteristics and their implications for capturing contemporaneous technological developments. <i>Journal of Informetrics</i> , <b>2018</b> , 12, 259-270	3.1	3
25	Cohesive subgroups in the international collaboration network in astronomy and astrophysics. <i>Scientometrics</i> , <b>2014</b> , 101, 1587-1607	3	3
24	Cross-field evaluation of publications of research institutes using their contributions to the fields' MVPs determined by h-index. <i>Journal of Informetrics</i> , <b>2013</b> , 7, 455-468	3.1	3
23	Positioning and shifting of technology focus for integrated device manufacturers by patent perspectives. <i>Technological Forecasting and Social Change</i> , <b>2014</b> , 81, 363-375	9.5	3
22	A two-dimensional approach to performance evaluation for a large number of research institutions. <i>Journal of the Association for Information Science and Technology</i> , <b>2012</b> , 63, 817-828		3
21	The co-first and co-corresponding author phenomenon in the pharmacy and anesthesia journals. <i>Proceedings of the Association for Information Science and Technology</i> , <b>2016</b> , 53, 1-4	0.4	3
20	Discovering types of research performance of scientists with significant contributions. <i>Scientometrics</i> , <b>2020</b> , 124, 1529-1552	3	2
19	Multi-institutional authorship in genetics and high-energy physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 505, 549-558	3.3	2
18	The Longitudinal Study of Highly-Impact-Technology Enterprises in the ICT Industry. <i>Journal of Global Information Management</i> , <b>2014</b> , 22, 54-74	1.9	2
17	<b>2010</b> ,		2
16	Analysis of coactivity in the field of fuel cells at institutional and individual levels. <i>Scientometrics</i> , <b>2016</b> , 109, 143-158	3	2
15	Are invalid patents still cited?. <i>Proceedings of the Association for Information Science and Technology</i> , <b>2019</b> , 56, 639-641	0.4	2
14	Tracking research performance before and after receiving the Cheung Kong Scholars award: A case study of recipients in 2005. <i>Research Evaluation</i> , <b>2018</b> , 27, 367-379	1.7	2
13	Exploring University-Industry Collaboration Trends in Computer Science: A Study on Hardware and Architecture and Software Engineering. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2017</b> , 34, 298-308	1.5	1
12	The greater scattering phenomenon beyond Bradford's law in patent citation. <i>Journal of the Association for Information Science and Technology</i> , <b>2014</b> , 65, 1917-1928	2.7	1
11	A study of collaborations in solar cell science and technology <b>2010</b> ,		1
10	On the concentration of productivity and impact in science and technology <b>2010</b> ,		1
9	The overlooked citations: Investigating the impact of ignoring citations to published patent applications. <i>Journal of Informetrics</i> , <b>2020</b> , 14, 100997	3.1	1

8	Potential Value of Patents With Provisional Applications: An Assessment of Bibliometric Approach. <i>IEEE Transactions on Engineering Management</i> , <b>2019</b> , 1-20	2.6	1
7	Bibliographically coupled patents: Their temporal pattern and combined relevance. <i>Journal of Informetrics</i> , <b>2019</b> , 13, 100978	3.1	1
6	Counting methods & university ranking by H-index. <i>Proceedings of the American Society for Information Science and Technology</i> , <b>2011</b> , 48, 1-6		
5	Research contribution pattern analysis of multinational authorship papers. <i>Scientometrics</i> , <b>2022</b> , 127, 1783	3	
4	Do extraordinary science and technology scientists balance their publishing and patenting activities?. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259453	3.7	
3	Comparative Study of Trace Metrics between Bibliometrics and Patentometrics. <i>Journal of Data and Information Science</i> , <b>2017</b> , 1, 13-31	1.2	
2	Identifying the contribution influence gap in the science and technology community. <i>Proceedings of the Association for Information Science and Technology</i> , <b>2019</b> , 56, 622-623	0.4	
1	Academic Publication of Anesthesiology From a Bibliographic Perspective From 1999 to 2018: Comparative Analysis Using Subject-Field Dataset and Department Dataset. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 658833	4.9	