

# Mu-Hsuan Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

2,299  
citations

172207

29  
h-index

253896

43  
g-index

107  
all docs

107  
docs citations

107  
times ranked

1854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of research subjects in library and information science based on keyword, bibliographical coupling, and co-citation analyses. <i>Scientometrics</i> , 2015, 105, 2071-2087.	1.6	178
2	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> , 2008, 59, 1819-1828.	2.6	118
3	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> , 2012, 63, 22-33.	2.6	93
4	Factors of university–industry collaboration affecting university innovation performance. <i>Journal of Technology Transfer</i> , 2020, 45, 560-577.	2.5	82
5	How can academic innovation performance in university–industry collaboration be improved?. <i>Technological Forecasting and Social Change</i> , 2017, 123, 210-215.	6.2	75
6	Constructing a patent citation map using bibliographic coupling: A study of Taiwan's high-tech companies. <i>Scientometrics</i> , 2003, 58, 489-506.	1.6	60
7	Technological collaboration patterns in solar cell industry based on patent inventors and assignees analysis. <i>Scientometrics</i> , 2013, 96, 427-441.	1.6	60
8	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> , 2011, 62, 2427-2436.	2.6	57
9	Strong ties and weak ties of the knowledge spillover network in the semiconductor industry. <i>Technological Forecasting and Social Change</i> , 2017, 118, 114-127.	6.2	57
10	Identifying and visualizing technology evolution: A case study of smart grid technology. <i>Technological Forecasting and Social Change</i> , 2012, 79, 1099-1110.	6.2	55
11	Opening the black box of QS World University Rankings. <i>Research Evaluation</i> , 2012, 21, 71-78.	1.3	54
12	The inventive activities and collaboration pattern of university–industry–government in China based on patent analysis. <i>Scientometrics</i> , 2012, 90, 231-251.	1.6	53
13	The influences of counting methods on university rankings based on paper count and citation count. <i>Journal of Informetrics</i> , 2013, 7, 611-621.	1.4	52
14	International collaboration development in nanotechnology: a perspective of patent network analysis. <i>Scientometrics</i> , 2014, 98, 683-702.	1.6	46
15	The relationships between the patent performance and corporation performance. <i>Journal of Informetrics</i> , 2012, 6, 131-139.	1.4	45
16	Increasing science and technology linkage in fuel cells: A cross citation analysis of papers and patents. <i>Journal of Informetrics</i> , 2015, 9, 237-249.	1.4	44
17	Using Essential Patent Index and Essential Technological Strength to evaluate industrial technological innovation competitiveness. <i>Scientometrics</i> , 2007, 71, 101-116.	1.6	42
18	Using the comprehensive patent citation network (CPC) to evaluate patent value. <i>Scientometrics</i> , 2015, 105, 1319-1346.	1.6	40

#	ARTICLE	IF	CITATIONS
19	International scientific and technological collaboration of China from 2004 to 2008: a perspective from paper and patent analysis. <i>Scientometrics</i> , 2012, 91, 65-80.	1.6	39
20	Detecting research fronts in OLED field using bibliographic coupling with sliding window. <i>Scientometrics</i> , 2014, 98, 1721-1744.	1.6	39
21	Core technologies and key industries in Taiwan from 1978 to 2002: A perspective from patent analysis. <i>Scientometrics</i> , 2005, 64, 31-53.	1.6	38
22	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> , 2004, 55, 970-979.	2.6	36
23	Bibliometric analysis of complementary and alternative medicine research over three decades. <i>Scientometrics</i> , 2011, 88, 617-626.	1.6	36
24	A comparative study of interdisciplinary changes between information science and library science. <i>Scientometrics</i> , 2012, 91, 789-803.	1.6	35
25	A comparative study on detecting research fronts in the organic light-emitting diode (OLED) field using bibliographic coupling and co-citation. <i>Scientometrics</i> , 2015, 102, 2041-2057.	1.6	33
26	Exploring the h-index at the institutional level. <i>Online Information Review</i> , 2012, 36, 534-547.	2.2	32
27	Research evaluation of research-oriented universities in Taiwan from 1993 to 2003. <i>Scientometrics</i> , 2006, 67, 419-435.	1.6	31
28	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> , 2012, 6, 457-468.	1.4	31
29	Ranking patent assignee performance by h-index and shape descriptors. <i>Journal of Informetrics</i> , 2011, 5, 303-312.	1.4	29
30	An analysis of global research funding from subject field and funding agencies perspectives in the G9 countries. <i>Scientometrics</i> , 2018, 115, 833-847.	1.6	27
31	Identifying missing relevant patent citation links by using bibliographic coupling in LED illuminating technology. <i>Journal of Informetrics</i> , 2011, 5, 400-412.	1.4	26
32	Globalization of collaborative creativity through cross-border patent activities. <i>Journal of Informetrics</i> , 2012, 6, 226-236.	1.4	25
33	Positioning research and innovation performance using shape centroids of h-core and h-tail. <i>Journal of Informetrics</i> , 2011, 5, 515-528.	1.4	22
34	Semiconductor industry value chain: characters' technology evolution. <i>Industrial Management and Data Systems</i> , 2011, 111, 370-390.	2.2	22
35	The influence of journal self-citations on journal impact factor and immediacy index. <i>Online Information Review</i> , 2012, 36, 639-654.	2.2	22
36	Industry-academia collaboration in fuel cells: a perspective from paper and patent analysis. <i>Scientometrics</i> , 2015, 105, 1301-1318.	1.6	22

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37	Probing the effect of author self-citations on $\langle i \rangle / \langle j \rangle$ index: A case study of environmental engineering. <i>Journal of Information Science</i> , 2011, 37, 453-461.	2.0	21
38	Detecting the temporal gaps of technology fronts: A case study of smart grid field. <i>Technological Forecasting and Social Change</i> , 2012, 79, 1705-1719.	6.2	20
39	The relationship between co-authorship, currency of references and author self-citations. <i>Scientometrics</i> , 2012, 90, 343-360.	1.6	20
40	Scientific production and citation impact: a bibliometric analysis in acupuncture over three decades. <i>Scientometrics</i> , 2012, 93, 1061-1079.	1.6	19
41	Measuring science-based science linkage and non-science-based linkage of patents through non-patent references. <i>Journal of Informetrics</i> , 2015, 9, 488-498.	1.4	17
42	Industry evolution and key technologies in China based on patent analysis. <i>Scientometrics</i> , 2011, 87, 175-188.	1.6	16
43	Exploring temporal relationships between scientific and technical fronts: a case of biotechnology field. <i>Scientometrics</i> , 2014, 98, 1085-1100.	1.6	16
44	One category, two communities: subfield differences in "Information Science and Library Science" in <i>Journal Citation Reports</i> . <i>Scientometrics</i> , 2019, 119, 1059-1079.	1.6	16
45	Global performance of traditional Chinese medicine over three decades. <i>Scientometrics</i> , 2012, 90, 945-958.	1.6	15
46	Influences of counting methods on country rankings: a perspective from patent analysis. <i>Scientometrics</i> , 2014, 98, 2087-2102.	1.6	15
47	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> , 2015, 66, 778-797.	1.5	14
48	Do funding sources matter?: The impact of university-industry collaboration funding sources on innovation performance of universities. <i>Technology Analysis and Strategic Management</i> , 2019, 31, 1368-1380.	2.0	14
49	Driving factors of external funding and funding effects on academic innovation performance in university-industry-government linkages. <i>Scientometrics</i> , 2013, 94, 1077-1098.	1.6	13
50	Technological impact factor: An indicator to measure the impact of academic publications on practical innovation. <i>Journal of Informetrics</i> , 2014, 8, 241-251.	1.4	12
51	Constructing a new patent bibliometric performance measure by using modified citation rate analyses with dynamic backward citation windows. <i>Scientometrics</i> , 2010, 82, 149-163.	1.6	11
52	Prominent institutions in international collaboration network in astronomy and astrophysics. <i>Scientometrics</i> , 2013, 97, 443-460.	1.6	11
53	The unbalanced performance and regional differences in scientific and technological collaboration in the field of solar cells. <i>Scientometrics</i> , 2013, 94, 423-438.	1.6	11
54	Exploring technology evolution and transition characteristics of leading countries: A case of fuel cell field. <i>Advanced Engineering Informatics</i> , 2013, 27, 366-377.	4.0	11

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55	Interaction between science and technology in the field of fuel cells based on patent paper analysis. <i>Electronic Library</i> , 2017, 35, 152-166.	0.8	11
56	A probe into dynamic measures for h-core and h-tail. <i>Journal of Informetrics</i> , 2013, 7, 129-137.	1.4	10
57	Exploring patent performance and technology interactions of universities, industries, governments and individuals. <i>Scientometrics</i> , 2013, 96, 11-26.	1.6	10
58	A comparative study of patent counts by the inventor country and the assignee country. <i>Scientometrics</i> , 2014, 100, 577-593.	1.6	10
59	The effects of research resources on international collaboration in the astronomy community. <i>Journal of the Association for Information Science and Technology</i> , 2016, 67, 2489-2510.	1.5	10
60	Pausal behavior of end-users in online searching. <i>Information Processing and Management</i> , 2003, 39, 425-444.	5.4	9
61	International collaboration and counting inflation in the assessment of national research productivity. <i>Proceedings of the American Society for Information Science and Technology</i> , 2010, 47, 1-4.	0.2	9
62	Inequality of publishing performance and international collaboration in physics. <i>Journal of the Association for Information Science and Technology</i> , 2011, 62, 1156-1165.	2.6	9
63	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> , 2012, 63, 2182-2194.	2.6	8
64	Technological evolution seen from the USPC reclassifications. <i>Scientometrics</i> , 2016, 107, 537-553.	1.6	8
65	BIBLIOMETRIC ANALYSIS OF ACUPUNCTURE RESEARCH FRONTS AND THEIR WORLDWIDE DISTRIBUTION OVER THREE DECADES. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017, 14, 257-273.	0.3	8
66	Measuring technological performance of assignees using trace metrics in three fields. <i>Scientometrics</i> , 2015, 104, 61-86.	1.6	7
67	Discovering types of research performance of scientists with significant contributions. <i>Scientometrics</i> , 2020, 124, 1529-1552.	1.6	7
68	Evolution of technology dependence among leading semiconductor companies. <i>Industrial Management and Data Systems</i> , 2011, 111, 1136-1152.	2.2	6
69	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> , 2011, 37, 34-45.	1.3	6
70	Positioning and shifting of technology focus for integrated device manufacturers by patent perspectives. <i>Technological Forecasting and Social Change</i> , 2014, 81, 363-375.	6.2	6
71	A comparative study on three citation windows for detecting research fronts. <i>Scientometrics</i> , 2016, 109, 1835-1853.	1.6	6
72	Bibliographically coupled patents: Their temporal pattern and combined relevance. <i>Journal of Informetrics</i> , 2019, 13, 100978.	1.4	6

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73	The Evolution of Knowledge Spillover and Company cluster in Semiconductor Industry. Journal of the Knowledge Economy, 2012, 3, 109-124.	2.7	5
74	Capturing and Tracking Performance of Patent Portfolio Using $h$ -Complement Area Centroid. IEEE Transactions on Engineering Management, 2013, 60, 496-505.	2.4	5
75	The co-first and co-corresponding author phenomenon in the pharmacy and anesthesia journals. Proceedings of the Association for Information Science and Technology, 2016, 53, 1-4.	0.3	5
76	Analysis of coactivity in the field of fuel cells at institutional and individual levels. Scientometrics, 2016, 109, 143-158.	1.6	5
77	Multi-institutional authorship in genetics and high-energy physics. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 549-558.	1.2	5
78	Cross-field evaluation of publications of research institutes using their contributions to the fields' MVPs determined by h-index. Journal of Informetrics, 2013, 7, 455-468.	1.4	4
79	Cohesive subgroups in the international collaboration network in astronomy and astrophysics. Scientometrics, 2014, 101, 1587-1607.	1.6	4
80	Missing links: Timing characteristics and their implications for capturing contemporaneous technological developments. Journal of Informetrics, 2018, 12, 259-270.	1.4	4
81	Are invalid patents still cited?. Proceedings of the Association for Information Science and Technology, 2019, 56, 639-641.	0.3	4
82	International technology diffusion in Computers & Communications Field. , 2010, , .		3
83	A two-dimensional approach to performance evaluation for a large number of research institutions. Journal of the Association for Information Science and Technology, 2012, 63, 817-828.	2.6	3
84	Tracking research performance before and after receiving the Cheung Kong Scholars award: A case study of recipients in 2005. Research Evaluation, 2018, 27, 367-379.	1.3	3
85	Is Foundry only a capacity provider still?: Relations of role playing for semiconductor industry value chain by patent analysis. , 2010, , .		2
86	A study of collaborations in solar cell science and technology. , 2010, , .		2
87	The Longitudinal Study of Highly-Impact-Technology Enterprises in the ICT Industry. Journal of Global Information Management, 2014, 22, 54-74.	1.4	2
88	The greater scattering phenomenon beyond Bradford's law in patent citation. Journal of the Association for Information Science and Technology, 2014, 65, 1917-1928.	1.5	2
89	Potential Value of Patents With Provisional Applications: An Assessment of Bibliometric Approach. IEEE Transactions on Engineering Management, 2022, 69, 2497-2516.	2.4	2
90	Research contribution pattern analysis of multinational authorship papers. Scientometrics, 2022, 127, 1783-1800.	1.6	2

#	ARTICLE	IF	CITATIONS
91	On the concentration of productivity and impact in science and technology. , 2010, , .		1
92	Locating the key competitors: A new tool for technology manager. , 2012, , .		1
93	Who does not maintain patents?. , 2016, , .		1
94	Exploring University-Industry Collaboration Trends in Computer Science: A Study on Hardware and Architecture and Software Engineering. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10If 50 617		1
95	The overlooked citations: Investigating the impact of ignoring citations to published patent applications. Journal of Informetrics, 2020, 14, 100997.	1.4	1
96	Academic Publication of Anesthesiology From a Bibliographic Perspective From 1999 to 2018: Comparative Analysis Using Subject-Field Dataset and Department Dataset. Frontiers in Medicine, 2021, 8, 658833.	1.2	1
97	Comparative Study of Trace Metrics between Bibliometrics and Patentometrics. Journal of Data and Information Science, 2017, 1, 13-31.	0.5	1
98	Technology manager's radar screen: Monitoring competitors' innovation performance. , 2011, , .		0
99	Counting methods & university ranking by H-index. Proceedings of the American Society for Information Science and Technology, 2011, 48, 1-6.	0.2	0
100	The Technological Linkage of Four-posed Semiconductor Companies with Alliance and Non-alliance Partner. , 2011, , .		0
101	Patents are Not Patents Only: Turning Point of Characters in the Semiconductor Industry. , 2011, , .		0
102	What drives external funding to university and how funding effects academic innovation performance in UIG collaboration. , 2012, , .		0
103	Classifying Patents by Tracing the Chronology of Patent Citation Increments. , 2018, , .		0
104	Identifying the contributionâ€“influence gap in the science and technology community. Proceedings of the Association for Information Science and Technology, 2019, 56, 622-623.	0.3	0
105	Do extraordinary science and technology scientists balance their publishing and patenting activities?. PLoS ONE, 2021, 16, e0259453.	1.1	0