Mu-Hsuan Huang

List of Publications by Year in Descending Order

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	Research contribution pattern analysis of multinational authorship papers. *Scientometrics*, **2022**, 127, 1783	3	
96	Do extraordinary science and technology scientists balance their publishing and patenting activities?. *PLoS ONE*, **2021**, 16, e0259453	3.7	
95	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	4.9	
94	Discovering types of research performance of scientists with significant contributions. *Scientometrics*, **2020**, 124, 1529-1552	3	2
93	The overlooked citations: Investigating the impact of ignoring citations to published patent applications. *Journal of Informetrics*, **2020**, 14, 100997	3.1	1
92	Factors of university□ndustry collaboration affecting university innovation performance. *Journal of Technology Transfer*, **2020**, 45, 560-577	4.4	42
91	Do funding sources matter?: The impact of university-industry collaboration funding sources on innovation performance of universities. *Technology Analysis and Strategic Management*, **2019**, 31, 1368-1380	3.2	8
90	One category, two communities: subfield differences in □nformation Science and Library Science□ in Journal Citation Reports. *Scientometrics*, **2019**, 119, 1059-1079	3	11
89	Potential Value of Patents With Provisional Applications: An Assessment of Bibliometric Approach. *IEEE Transactions on Engineering Management*, **2019**, 1-20	2.6	1
88	Identifying the contribution□nfluence gap in the science and technology community. *Proceedings of the Association for Information Science and Technology*, **2019**, 56, 622-623	0.4	
87	Are invalid patents still cited?. *Proceedings of the Association for Information Science and Technology* , **2019**, 56, 639-641	0.4	2
86	Bibliographically coupled patents: Their temporal pattern and combined relevance. *Journal of Informetrics*, **2019**, 13, 100978	3.1	1
85	An analysis of global research funding from subject field and funding agencies perspectives in the G9 countries. *Scientometrics*, **2018**, 115, 833-847	3	13
84	Multi-institutional authorship in genetics and high-energy physics. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 505, 549-558	3.3	2
83	Missing links: Timing characteristics and their implications for capturing contemporaneous technological developments. *Journal of Informetrics*, **2018**, 12, 259-270	3.1	3
82	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	1.7	2
81	Exploring University-Industry Collaboration Trends in Computer Science: A Study on Hardware and Architecture and Software Engineering. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2017**, 34, 298-308	1.5	1

80	How can academic innovation performance in university–industry collaboration be improved?. *Technological Forecasting and Social Change*, **2017**, 123, 210-215	9.5	56
79	Interaction between science and technology in the field of fuel cells based on patent paper analysis. *Electronic Library*, **2017**, 35, 152-166	1.5	10
78	Strong ties and weak ties of the knowledge spillover network in the semiconductor industry. *Technological Forecasting and Social Change*, **2017**, 118, 114-127	9.5	41
77	BIBLIOMETRIC ANALYSIS OF ACUPUNCTURE RESEARCH FRONTS AND THEIR WORLDWIDE DISTRIBUTION OVER THREE DECADES. *Tropical Journal of Obstetrics and Gynaecology*, **2017**, 14, 257-273	0.3	3
76	Comparative Study of Trace Metrics between Bibliometrics and Patentometrics. *Journal of Data and Information Science*, **2017**, 1, 13-31	1.2	
75	The effects of research resources on international collaboration in the astronomy community. *Journal of the Association for Information Science and Technology*, **2016**, 67, 2489-2510	2.7	9
74	Technological evolution seen from the USPC reclassifications. *Scientometrics*, **2016**, 107, 537-553	3	5
73	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	0.4	3
72	Analysis of coactivity in the field of fuel cells at institutional and individual levels. *Scientometrics*, **2016**, 109, 143-158	3	2
71	A comparative study on three citation windows for detecting research fronts. *Scientometrics*, **2016**, 109, 1835-1853	3	4
70	A study of research collaboration in the pre-web and post-web stages: A coauthorship analysis of the information systems discipline. *Journal of the Association for Information Science and Technology*, **2015**, 66, 778-797	2.7	10
69	Measuring science-based science linkage and non-science-based linkage of patents through non-patent references. *Journal of Informetrics*, **2015**, 9, 488-498	3.1	11
68	Measuring technological performance of assignees using trace metrics in three fields. *Scientometrics*, **2015**, 104, 61-86	3	6
67	Evolution of research subjects in library and information science based on keyword, bibliographical coupling, and co-citation analyses. *Scientometrics*, **2015**, 105, 2071-2087	3	93
66	Industry–academia collaboration in fuel cells: a perspective from paper and patent analysis. *Scientometrics*, **2015**, 105, 1301-1318	3	16
65	Using the comprehensive patent citation network (CPC) to evaluate patent value. *Scientometrics*, **2015**, 105, 1319-1346	3	23
64	A comparative study on detecting research fronts in the organic light-emitting diode (OLED) field using bibliographic coupling and co-citation. *Scientometrics*, **2015**, 102, 2041-2057	3	22
63	Increasing science and technology linkage in fuel cells: A cross citation analysis of papers and patents. *Journal of Informetrics*, **2015**, 9, 237-249	3.1	29

62	Cohesive subgroups in the international collaboration network in astronomy and astrophysics. *Scientometrics*, **2014**, 101, 1587-1607	3	3
61	Influences of counting methods on country rankings: a perspective from patent analysis. *Scientometrics*, **2014**, 98, 2087-2102	3	13
60	Detecting research fronts in OLED field using bibliographic coupling with sliding window. *Scientometrics*, **2014**, 98, 1721-1744	3	30
59	Technological impact factor: An indicator to measure the impact of academic publications on practical innovation. *Journal of Informetrics*, **2014**, 8, 241-251	3.1	10
58	A comparative study of patent counts by the inventor country and the assignee country. *Scientometrics*, **2014**, 100, 577-593	3	8
57	The greater scattering phenomenon beyond Bradford's law in patent citation. *Journal of the Association for Information Science and Technology*, **2014**, 65, 1917-1928	2.7	1
56	Exploring temporal relationships between scientific and technical fronts: a case of biotechnology field. *Scientometrics*, **2014**, 98, 1085-1100	3	14
55	The Longitudinal Study of Highly-Impact-Technology Enterprises in the ICT Industry. *Journal of Global Information Management*, **2014**, 22, 54-74	1.9	2
54	Positioning and shifting of technology focus for integrated device manufacturers by patent perspectives. *Technological Forecasting and Social Change*, **2014**, 81, 363-375	9.5	3
53	International collaboration development in nanotechnology: a perspective of patent network analysis. *Scientometrics*, **2014**, 98, 683-702	3	39
52	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	3.1	3
51	The influences of counting methods on university rankings based on paper count and citation count. *Journal of Informetrics*, **2013**, 7, 611-621	3.1	40
50	Prominent institutions in international collaboration network in astronomy and astrophysics. *Scientometrics*, **2013**, 97, 443-460	3	11
49	Technological collaboration patterns in solar cell industry based on patent inventors and assignees analysis. *Scientometrics*, **2013**, 96, 427-441	3	44
48	Capturing and Tracking Performance of Patent Portfolio Using h -Complement Area Centroid. *IEEE Transactions on Engineering Management*, **2013**, 60, 496-505	2.6	5
47	The unbalanced performance and regional differences in scientific and technological collaboration in the field of solar cells. *Scientometrics*, **2013**, 94, 423-438	3	10
46	Exploring technology evolution and transition characteristics of leading countries: A case of fuel cell field. *Advanced Engineering Informatics*, **2013**, 27, 366-377	7.4	9
45	A probe into dynamic measures for h-core and h-tail. *Journal of Informetrics*, **2013**, 7, 129-137	3.1	7

44	Exploring patent performance and technology interactions of universities, industries, governments and individuals. *Scientometrics*, **2013**, 96, 11-26	3	6
43	Driving factors of external funding and funding effects on academic innovation performance in university–industry–government linkages. *Scientometrics*, **2013**, 94, 1077-1098	3	7
42	Identifying and visualizing technology evolution: A case study of smart grid technology. *Technological Forecasting and Social Change*, **2012**, 79, 1099-1110	9.5	47
41	A study of the evolution of interdisciplinarity in library and information science: Using three bibliometric methods. *Journal of the Association for Information Science and Technology*, **2012**, 63, 22-33		66
40	The inventive activities and collaboration pattern of university–industry–government in China based on patent analysis. *Scientometrics*, **2012**, 90, 231-251	3	41
39	Global performance of traditional Chinese medicine over three decades. *Scientometrics*, **2012**, 90, 945-958	3	14
38	The relationship between co-authorship, currency of references and author self-citations. *Scientometrics*, **2012**, 90, 343-360	3	14
37	Exploring the h-index at the institutional level. *Online Information Review*, **2012**, 36, 534-547	2	25
36	Citation patterns of the pre-web and web-prevalent environments: The moderating effects of domain knowledge. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2182-2194		8
35	Scientific production and citation impact: a bibliometric analysis in acupuncture over three decades. *Scientometrics*, **2012**, 93, 1061-1079	3	18
34	The Evolution of Knowledge Spillover and Company cluster in Semiconductor Industry. *Journal of the Knowledge Economy*, **2012**, 3, 109-124	1.3	5
33	The trend of concentration in scientific research and technological innovation: A reduction of the predominant role of the U.S. in world research & technology. *Journal of Informetrics*, **2012**, 6, 457-468	3.1	25
32	Detecting the temporal gaps of technology fronts: A case study of smart grid field. *Technological Forecasting and Social Change*, **2012**, 79, 1705-1719	9.5	15
31	The relationships between the patent performance and corporation performance. *Journal of Informetrics*, **2012**, 6, 131-139	3.1	42
30	Globalization of collaborative creativity through cross-border patent activities. *Journal of Informetrics*, **2012**, 6, 226-236	3.1	16
29	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		3
28	International scientific and technological collaboration of China from 2004 to 2008: a perspective from paper and patent analysis. *Scientometrics*, **2012**, 91, 65-80	3	34
27	A comparative study of interdisciplinary changes between information science and library science. *Scientometrics*, **2012**, 91, 789-803	3	24

26	Opening the black box of QS World University Rankings. *Research Evaluation*, **2012**, 21, 71-78	1.7	39
25	The influence of journal self-citations on journal impact factor and immediacy index. *Online Information Review*, **2012**, 36, 639-654	2	18
24	Positioning research and innovation performance using shape centroids of h-core and h-tail. *Journal of Informetrics*, **2011**, 5, 515-528	3.1	15
23	Evolution of technology dependence among leading semiconductor companies. *Industrial Management and Data Systems*, **2011**, 111, 1136-1152	3.6	4
22	A Citation Analysis of Western Journals Cited in Taiwan's Library and Information Science and History Research Journals: From a Research Evaluation Perspective. *Journal of Academic Librarianship*, **2011**, 37, 34-45	1.5	5
21	Industry evolution and key technologies in China based on patent analysis. *Scientometrics*, **2011**, 87, 175-188	3	10
20	Bibliometric analysis of complementary and alternative medicine research over three decades. *Scientometrics*, **2011**, 88, 617-626	3	27
19	Counting methods & university ranking by H-index. *Proceedings of the American Society for Information Science and Technology*, **2011**, 48, 1-6		
18	Inequality of publishing performance and international collaboration in physics. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1156-1165		6
17	Counting methods, country rank changes, and counting inflation in the assessment of national research productivity and impact. *Journal of the Association for Information Science and Technology*, **2011**, 62, 2427-2436		45
16	Ranking patent assignee performance by h-index and shape descriptors. *Journal of Informetrics*, **2011**, 5, 303-312	3.1	23
15	Identifying missing relevant patent citation links by using bibliographic coupling in LED illuminating technology. *Journal of Informetrics*, **2011**, 5, 400-412	3.1	21
14	Probing the effect of author self-citations on h index: A case study of environmental engineering. *Journal of Information Science*, **2011**, 37, 453-461	2	17
13	Semiconductor industry value chain: characters' technology evolution. *Industrial Management and Data Systems*, **2011**, 111, 370-390	3.6	16
12	**2010**,		2
11	A study of collaborations in solar cell science and technology **2010**,		1
10	On the concentration of productivity and impact in science and technology **2010**,		1
9	Constructing a new patent bibliometric performance measure by using modified citation rate analyses with dynamic backward citation windows. *Scientometrics*, **2010**, 82, 149-163	3	7

8	International collaboration and counting inflation in the assessment of national research productivity. *Proceedings of the American Society for Information Science and Technology*, **2010**, 47, 1-4		6
7	Characteristics of research output in social sciences and humanities: From a research evaluation perspective. *Journal of the Association for Information Science and Technology*, **2008**, 59, 1819-1828		95
6	Using Essential Patent Index and Essential Technological Strength to evaluate industrial technological innovation competitiveness. *Scientometrics*, **2007**, 71, 101-116	3	32
5	Research evaluation of research-oriented universities in Taiwan from 1993 to 2003. *Scientometrics*, **2006**, 67, 419-435	3	23
4	Core technologies and key industries in Taiwan from 1978 to 2002: A perspective from patent analysis. *Scientometrics*, **2005**, 64, 31-53	3	28
3	The influence of document presentation order and number of documents judged on users' judgments of relevance. *Journal of the Association for Information Science and Technology*, **2004**, 55, 970-979		30
2	Constructing a patent citation map using bibliographic coupling: A study of Taiwan's high-tech companies. *Scientometrics*, **2003**, 58, 489-506	3	42
1	Pausal behavior of end-users in online searching. *Information Processing and Management*, **2003**, 39, 425-444	3	4