Koen Frenken

List of Publications by Year
in descending order

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133	12,099	57758	30087
papers	citations	44 h-index	103 g-index

146	146	146	6266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Related Variety, Unrelated Variety and Regional Economic Growth. Regional Studies, 2007, 41, 685-697.	4.4	1,686
2	Why is economic geography not an evolutionary science? Towards an evolutionary economic geography. Journal of Economic Geography, 2006, 6, 273-302.	3.0	796
3	Putting the sharing economy into perspective. Environmental Innovation and Societal Transitions, 2017, 23, 3-10.	5.5	671
4	The geographical and institutional proximity of research collaboration. Papers in Regional Science, 2007, 86, 423-443.	1.9	476
5	A theoretical framework for evolutionary economic geography: industrial dynamics and urban growth as a branching process. Journal of Economic Geography, 2007, 7, 635-649.	3.0	471
6	Toward a systematic framework for research on dominant designs, technological innovations, and industrial change. Research Policy, 2006, 35, 925-952.	6.4	449
7	Proximity and Innovation: From Statics to Dynamics. Regional Studies, 2015, 49, 907-920.	4.4	398
8	The geography of collaborative knowledge production in Europe. Annals of Regional Science, 2009, 43, 721-738.	2.1	395
9	Research collaboration at a distance: Changing spatial patterns of scientific collaboration within Europe. Research Policy, 2010, 39, 662-673.	6.4	395
10	Innovation, spillovers and university-industry collaboration: an extended knowledge production function approach. Journal of Economic Geography, 2010, 10, 231-255.	3.0	354
11	The emerging empirics of evolutionary economic geography. Journal of Economic Geography, 2011, 11, 295-307.	3.0	353
12	Related Variety, Unrelated Variety and Technological Breakthroughs: An analysis of US State-Level Patenting. Regional Studies, 2015, 49, 767-781.	4.4	316
13	Towards a theory of regional diversification: combining insights from Evolutionary Economic Geography and Transition Studies. Regional Studies, 2017, 51, 31-45.	4.4	293
14	Spatial scientometrics: Towards a cumulative research program. Journal of Informetrics, 2009, 3, 222-232.	2.9	223
15	Export variety and the economic performance of countries. Journal of Evolutionary Economics, 2008, 18, 201-218.	1.7	162
16	Related variety and economic development: a literature review. European Planning Studies, 2016, 24, 2097-2112.	2.9	159
17	Some Notes on Institutions in Evolutionary Economic Geography. Economic Geography, 2009, 85, 151-158.	4.6	155
18	A complexity approach to innovation networks. The case of the aircraft industry (1909â€“1997). Research Policy, 2000, 29, 257-272.	6.4	153

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19	Evolutionary theorizing and modeling of sustainability transitions. Research Policy, 2012, 41, 1011-1024.	6.4	145
20	Technological innovation and complexity theory. Economics of Innovation and New Technology, 2006, 15, 137-155.	3.4	143
21	Political economies and environmental futures for the sharing economy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160367.	3.4	140
22	The Spatial Evolution of Innovation Networks: A Proximity Perspective. , 2010, , .		130
23	The Principle of Relatedness. Springer Proceedings in Complexity, 2018, , 451-457.	0.3	128
24	Industrial Dynamics and Clusters: A Survey. Regional Studies, 2015, 49, 10-27.	4.4	126
25	Variety and niche creation in aircraft, helicopters, motorcycles and microcomputers. Research Policy, 1999, 28, 469-488.	6.4	123
26	Proximity, knowledge base and the innovation process: towards an integrated framework. Regional Studies, 2018, 52, 23-34.	4.4	121
27	Models in evolutionary economics and environmental policy: Towards an evolutionary environmental economics. Technological Forecasting and Social Change, 2009, 76, 462-470.	11.6	117
28	The citation impact of research collaborations: the case of European biotechnology and applied microbiology (1988â€“2002). Journal of Engineering and Technology Management - JET-M, 2005, 22, 9-30.	2.7	97
29	R&D portfolios in environmentally friendly automotive propulsion: Variety, competition and policy implications. Technological Forecasting and Social Change, 2004, 71, 485-507.	11.6	88
30	The early development of the steam engine: an evolutionary interpretation using complexity theory. Industrial and Corporate Change, 2004, 13, 419-450.	2.8	88
31	A fitness landscape approach to technological complexity, modularity, and vertical disintegration. Structural Change and Economic Dynamics, 2006, 17, 288-305.	4.5	85
32	Scaling trajectories in civil aircraft (1913â€“1997). Research Policy, 2000, 29, 331-348.	6.4	84
33	Acquisition of European research funds and its effect on international scientific collaboration. Journal of Economic Geography, 2013, 13, 23-52.	3.0	83
34	The battle of the buzzwords: A comparative review of the circular economy and the sharing economy concepts. Environmental Innovation and Societal Transitions, 2021, 38, 1-21.	5.5	82
35	THE EVOLUTION OF INVENTOR NETWORKS IN THE SILICON VALLEY AND BOSTON REGIONS. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 53-71.	1.4	80
36	Carsharing business models in Germany: characteristics, success and future prospects. Information Systems and E-Business Management, 2018, 16, 271-291.	3.7	75

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37	Business model innovation and socio-technical transitions. A new prospective framework with an application to bike sharing. Journal of Cleaner Production, 2018, 195, 1300-1312.	9.3	73
38	Institutional entrepreneurship in the platform economy: How Uber tried (and failed) to change the Dutch taxi law. Environmental Innovation and Societal Transitions, 2019, 33, 1-12.	5.5	66
39	The citation impact of research collaboration in scienceâ€based industries: A spatialâ€institutional analysis. Papers in Regional Science, 2010, 89, 351-372.	1.9	65
40	Clustering and firm performance in project-based industries: the case of the global video game industry, 1972-2007. Journal of Economic Geography, 2013, 13, 965-991.	3.0	65
41	A complex systems methodology to transition management. Journal of Evolutionary Economics, 2009, 19, 527-543.	1.7	62
42	What drives university research performance? An analysis using the CWTS Leiden Ranking data. Journal of Informetrics, 2017, 11, 859-872.	2.9	60
43	The Geography of Internet Infrastructure: An Evolutionary Simulation Approach Based on Preferential Attachment. Urban Studies, 2010, 47, 1969-1984.	3.7	55
44	Different business models â€“ different users? Uncovering the motives and characteristics of business-to-consumer and peer-to-peer carsharing adopters in The Netherlands. Transportation Research, Part D: Transport and Environment, 2019, 73, 276-306.	6.8	55
45	Technological Relatedness, Related Variety and Economic Geography. , 2011, , .		54
46	Conceptualizing the Gig Economy and Its Regulatory Problems. Policy and Internet, 2020, 12, 525-545.	4.3	53
47	A Complex Network Approach to Urban Growth. Environment and Planning A, 2006, 38, 1941-1964.	3.6	51
48	The subsidiarity principle in innovation policy for societal challenges. Global Transitions, 2020, 2, 51-59.	4.1	50
49	Branching innovation, recombinant innovation, and endogenous technological transitions. Environmental Innovation and Societal Transitions, 2012, 4, 25-35.	5.5	49
50	Explaining carsharing supply across Western European cities. International Journal of Sustainable Transportation, 2020, 14, 243-254.	4.1	49
51	Do more distant collaborations have more citation impact?. Journal of Informetrics, 2013, 7, 966-971.	2.9	48
52	On the existence of persistently outperforming firms. Industrial and Corporate Change, 2014, 23, 997-1036.	2.8	43
53	The study of institutional entrepreneurship and its implications for transition studies. Environmental Innovation and Societal Transitions, 2020, 36, 114-136.	5.5	41
54	Urban Amenities and Agglomeration Economies?. Urban Studies, 2011, 48, 1333-1352.	3.7	40

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55	On digitalization and sustainability transitions. Environmental Innovation and Societal Transitions, 2021, 41, 96-98.	5.5	40
56	Does related variety foster regional entrepreneurship? Evidence from European regions. Regional Studies, 2019, 53, 1531-1543.	4.4	37
57	Firm entry and institutional lock-in: an organizational ecology analysis of the global fashion design industry. Industrial and Corporate Change, 2011, 20, 1031-1048.	2.8	36
58	Weak spots for car-sharing in The Netherlands? The geography of socio-technical regimes and the adoption of niche innovations. Energy Research and Social Science, 2019, 52, 132-143.	6.4	36
59	A framework for mission-oriented innovation policy: Alternative pathways through the problemâ€“solution space. Science and Public Policy, 0, , .	2.4	36
60	Interdependencies, Nearly-Decomposability and Adaptation. Advances in Computational Economics, 1999, , 145-165.	0.1	34
61	On Scaling of Scientific Knowledge Production in U.S. Metropolitan Areas. PLoS ONE, 2014, 9, e110805.	2.5	32
62	The Geographical Distribution of Leadership in Globalized Clinical Trials. PLoS ONE, 2012, 7, e45984.	2.5	31
63	A New Indicator of European Integration and an Application to Collaboration in Scientific Research. Economic Systems Research, 2002, 14, 345-361.	2.7	30
64	Safeguarding Public Interests in the Platform Economy. Policy and Internet, 2020, 12, 400-425.	4.3	30
65	The pricing of open access journals: Diverse niches and sources of value in academic publishing. Quantitative Science Studies, 2020, 1, 28-59.	3.3	30
66	Small wins for grand challenges. A bottom-up governance approach to regional innovation policy. European Planning Studies, 2022, 30, 2245-2272.	2.9	30
67	Death of Distance in Science? A Gravity Approach to Research Collaboration. Understanding Complex Systems, 2009, , 43-57.	0.6	30
68	Optimal modularity: a demonstration of the evolutionary advantage of modular architectures. Journal of Evolutionary Economics, 2012, 22, 935-956.	1.7	29
69	Characterizing and comparing innovation systems by different â€˜modesâ€™ of knowledge production: A proximity approach. Science and Public Policy, 2015, 42, 530-548.	2.4	29
70	Causal relations between knowledge-intensive business services and regional employment growth. Regional Studies, 2018, 52, 172-183.	4.4	28
71	Cross-specialisation policy: rationales and options for linking unrelated industries. Cambridge Journal of Regions, Economy and Society, 2019, 12, 195-212.	3.0	28
72	An Institutional Logics Perspective on the Gig Economy. Research in the Sociology of Organizations, 2020, , 83-105.	0.8	27

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73	Relating cost-benefit analysis results with transport project decisions in the Netherlands. Letters in Spatial and Resource Sciences, 2017, 10, 109-127.	2.5	25
74	Digital disciplinary differences: An analysis of computer-mediated science and â€˜Mode 2â€™ knowledge production. Research Policy, 2008, 37, 1602-1615.	6.4	24
75	Introduction: Evolutionary methodologies for analyzing environmental innovations and the implications for environmental policy. Technological Forecasting and Social Change, 2009, 76, 449-452.	11.6	24
76	Collective institutional work: the case of Airbnb in Amsterdam, London and New York. Industry and Innovation, 2019, 26, 898-919.	3.1	24
77	The geography of scientific citations. Research Policy, 2019, 48, 1771-1780.	6.4	24
78	Thresholds models of technological transitions. Environmental Innovation and Societal Transitions, 2014, 11, 54-70.	5.5	22
79	The Downside of Social Capital in New Industry Creation. Economic Geography, 2019, 95, 315-340.	4.6	21
80	The feasibility of platform cooperatives in the gig economy. Journal of Co-operative Organization and Management, 2022, 10, 100167.	1.6	21
81	The Geography of Internet Adoption by Independent Retailers in the Netherlands. Environment and Planning B: Planning and Design, 2008, 35, 443-460.	1.7	20
82	Variety and Regional Economic Growth in the Netherlands. SSRN Electronic Journal, 2005, , .	0.4	19
83	Does working with industry come at a price? A study of doctoral candidatesâ€™ performance in collaborative vs. non-collaborative Ph.D. projects. Technovation, 2015, 41-42, 51-61.	7.8	19
84	Spatial Scientometrics and Scholarly Impact: A Review of Recent Studies, Tools, and Methods. , 2014, , 127-146.		18
85	Evolving user needs and late-mover advantage. Strategic Organization, 2017, 15, 67-90.	5.0	17
86	Grounding the â€œmirroring hypothesisâ€• Towards a general theory of organization design in New Product Development. Journal of Engineering and Technology Management - JET-M, 2018, 47, 81-95.	2.7	17
87	Variety, complexity and economic development. Research Policy, 2022, 51, 103949.	6.4	17
88	Conceptualising institutional complexity in the upscaling of community enterprises: Lessons from renewable energy and carsharing. Environmental Innovation and Societal Transitions, 2022, 42, 138-151.	5.5	16
89	CONVERGENCE IN AN ENLARGED EUROPE: THE ROLE OF NETWORK CITIES. Tijdschrift Voor Economische En Sociale Geografie, 2006, 97, 321-326.	2.1	15
90	Institutional relatedness and the emergence of renewable energy cooperatives in German districts. Regional Studies, 2022, 56, 548-562.	4.4	15

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91	NETWORKS AND ECONOMIC AGGLOMERATIONS: INTRODUCTION TO THE SPECIAL ISSUE. Tijdschrift Voor Economische En Sociale Geografie, 2009, 100, 139-144.	2.1	14
92	Editorial: Reaching Out to New Territories â€¦. Regional Studies, 2009, 43, 1-4.	4.4	14
93	Diffusion with social reinforcement: The role of individual preferences. Physical Review E, 2018, 97, 022302.	2.1	14
94	AIRLINE COMPETITION AT EUROPEAN AIRPORTS. Tijdschrift Voor Economische En Sociale Geografie, 2004, 95, 233-242.	2.1	13
95	A typology of scientific breakthroughs. Quantitative Science Studies, 2020, 1, 1203-1222.	3.3	13
96	European infrastructure networks and regional innovation in science-based technologies. Economics of Innovation and New Technology, 2011, 20, 517-537.	3.4	12
97	Evolutionary Economic Geography. , 2018, , .		12
98	Introduction: Applications of Evolutionary Economic Geography. , 2007, , .		11
99	Spatial Differentiation in Industrial Dynamics. The Case of the Netherlands (1994â€“2005). Tijdschrift Voor Economische En Sociale Geografie, 2016, 107, 316-330.	2.1	11
100	Toward a Systematic Framework for Research on Dominant Designs, Technological Innovations, and Industrial Change. SSRN Electronic Journal, 2005, , .	0.4	10
101	Governance mode choice in collaborative Ph.D. projects. Journal of Technology Transfer, 2015, 40, 840-858.	4.3	10
102	Evolution in city centre retailing: the case of Utrecht (1974â€2003). International Journal of Retail and Distribution Management, 2005, 33, 824-841.	4.7	9
103	Geography of scientific knowledge: A proximity approach. Quantitative Science Studies, 2020, 1, 1007-1016.	3.3	9
104	The evolution of the Dutch dairy industry and the rise of cooperatives: a research note. Journal of Institutional Economics, 2014, 10, 163-174.	1.5	8
105	Reverse Technology Assessment in the Age of the Platform Economy. Built Environment, 2020, 46, 22-27.	0.8	8
106	The importance of ergonomic design in product innovation. Lessons from the development of the portable computer. Industrial and Corporate Change, 2017, 26, 953-971.	2.8	7
107	Catching up in clean energy technologies: a patent analysis. Journal of Technology Transfer, 2023, 48, 693-715.	4.3	7
108	Same place, same knowledge â€“ same people? The geography of non-patent citations in Dutch polymer patents. Economics of Innovation and New Technology, 2016, 25, 553-572.	3.4	5

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109	A network-based model of exploration and exploitation. Journal of Business Research, 2021, 129, 589-599.	10.2	5
110	Networks, Percolation, and Consumer Demand. Jasss, 2018, 21, .	1.8	5
111	Fitness landscapes, heuristics and technological paradigms: A critique on random search models in evolutionary economics. AIP Conference Proceedings, 2001, , .	0.4	4
112	Designing for a Living? Income Determinants Among Firm Founders in the Dutch Design Sector. Industry and Innovation, 2014, 21, 117-140.	3.1	4
113	Success factors in universityâ€“industry PhD projects. Science and Public Policy, 2016, , scv076.	2.4	4
114	Your Uber is arriving now: An analysis of platform location decisions through an institutional lens. Strategic Organization, 2023, 21, 501-536.	5.0	4
115	A genealogical approach to academic success. PLoS ONE, 2020, 15, e0243913.	2.5	4
116	Europeanisation of science. Tijdschrift Voor Economische En Sociale Geografie, 2002, 93, 563-569.	2.1	3
117	Geographic clustering in evolutionary economic geography. , 2015, , .		3
118	The role of community sharing in sustainability transformation: case studies from Norway. Sustainability: Science, Practice, and Policy, 2021, 17, 334-348.	1.9	3
119	A spatial-institutional analysis of researchers with multiple affiliations. PLoS ONE, 2021, 16, e0253462.	2.5	3
120	Proximity and Stratification in European Scientific Research Collaboration Networks: A Policy Perspective. Advances in Spatial Science, 2013, , 263-277.	0.6	3
121	Innovation, qualitative change and economic developmentâ€”Special issue in honour of Pier-Paolo Saviotti. Structural Change and Economic Dynamics, 2010, 21, 1-4.	4.5	2
122	How product development partnerships support hybrid collaborations dealing with global health challenges. Global Transitions, 2020, 2, 190-201.	4.1	2
123	The roles of KIBS and R&D in the industrial diversification of regions. Annals of Regional Science, 2022, 68, 29-64.	2.1	2
124	Servitisation on consumer markets: entry and strategy in Dutch private lease markets. Innovation: Management, Policy and Practice, 2022, 24, 231-250.	3.9	2
125	NEW DIRECTIONS IN RESEARCH ON DOMINANT DESIGNS.. Proceedings - Academy of Management, 2005, 2005, G1-G6.	0.1	1
126	Sectoral co-movements of employment growth at regional level. Economic Systems Research, 2017, 29, 82-104.	2.7	1

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127	On the sudden rise of Dutch science at the end of the nineteenth century: a core-periphery approach. Industry and Innovation, 2021, 28, 1175-1195.	3.1	1
128	Proximity, Social Capital and the Simon Model of Stochastic Growth. Advances in Spatial Science, 2009, , 133-140.	0.6	1
129	Variety in Web Spheres between Research Fields: Content and Function. SSRN Electronic Journal, 0, , .	0.4	0
130	Path dependence and the geography of infrastructure networks: the case of the European fibre-optic network. Letters in Spatial and Resource Sciences, 2015, 8, 169-179.	2.5	0
131	Publieke belangen in de deel- en kluseconomie1. Mens En Maatschappij, 2018, 93, 211-230.	0.1	0
132	Why First Movers May Fail: Global Versus Sequential Improvement of Complex Technological Artefacts. Springer Proceedings in Complexity, 2013, , 751-755.	0.3	0
133	Variety and Regional Growth: Theory, Measurement and Outcomes. , 2006, , .		0