

# Koen Frenken

## List of Publications by Year in descending order

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Version: 2024-02-01

133  
papers

12,099  
citations

57631

44  
h-index

30010

103  
g-index

146  
all docs

146  
docs citations

146  
times ranked

6266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Related Variety, Unrelated Variety and Regional Economic Growth. <i>Regional Studies</i> , 2007, 41, 685-697.	2.5	1,686
2	Why is economic geography not an evolutionary science? Towards an evolutionary economic geography. <i>Journal of Economic Geography</i> , 2006, 6, 273-302.	1.6	796
3	Putting the sharing economy into perspective. <i>Environmental Innovation and Societal Transitions</i> , 2017, 23, 3-10.	2.5	671
4	The geographical and institutional proximity of research collaboration. <i>Papers in Regional Science</i> , 2007, 86, 423-443.	1.0	476
5	A theoretical framework for evolutionary economic geography: industrial dynamics and urban growth as a branching process. <i>Journal of Economic Geography</i> , 2007, 7, 635-649.	1.6	471
6	Toward a systematic framework for research on dominant designs, technological innovations, and industrial change. <i>Research Policy</i> , 2006, 35, 925-952.	3.3	449
7	Proximity and Innovation: From Statics to Dynamics. <i>Regional Studies</i> , 2015, 49, 907-920.	2.5	398
8	The geography of collaborative knowledge production in Europe. <i>Annals of Regional Science</i> , 2009, 43, 721-738.	1.0	395
9	Research collaboration at a distance: Changing spatial patterns of scientific collaboration within Europe. <i>Research Policy</i> , 2010, 39, 662-673.	3.3	395
10	Innovation, spillovers and university-industry collaboration: an extended knowledge production function approach. <i>Journal of Economic Geography</i> , 2010, 10, 231-255.	1.6	354
11	The emerging empirics of evolutionary economic geography. <i>Journal of Economic Geography</i> , 2011, 11, 295-307.	1.6	353
12	Related Variety, Unrelated Variety and Technological Breakthroughs: An analysis of US State-Level Patenting. <i>Regional Studies</i> , 2015, 49, 767-781.	2.5	316
13	Towards a theory of regional diversification: combining insights from Evolutionary Economic Geography and Transition Studies. <i>Regional Studies</i> , 2017, 51, 31-45.	2.5	293
14	Spatial scientometrics: Towards a cumulative research program. <i>Journal of Informetrics</i> , 2009, 3, 222-232.	1.4	223
15	Export variety and the economic performance of countries. <i>Journal of Evolutionary Economics</i> , 2008, 18, 201-218.	0.8	162
16	Related variety and economic development: a literature review. <i>European Planning Studies</i> , 2016, 24, 2097-2112.	1.6	159
17	Some Notes on Institutions in Evolutionary Economic Geography. <i>Economic Geography</i> , 2009, 85, 151-158.	2.1	155
18	A complexity approach to innovation networks. The case of the aircraft industry (1909â€“1997). <i>Research Policy</i> , 2000, 29, 257-272.	3.3	153

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19	Evolutionary theorizing and modeling of sustainability transitions. <i>Research Policy</i> , 2012, 41, 1011-1024.	3.3	145
20	Technological innovation and complexity theory. <i>Economics of Innovation and New Technology</i> , 2006, 15, 137-155.	2.1	143
21	Political economies and environmental futures for the sharing economy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160367.	1.6	140
22	The Spatial Evolution of Innovation Networks: A Proximity Perspective. , 2010, , .		130
23	The Principle of Relatedness. <i>Springer Proceedings in Complexity</i> , 2018, , 451-457.	0.2	128
24	Industrial Dynamics and Clusters: A Survey. <i>Regional Studies</i> , 2015, 49, 10-27.	2.5	126
25	Variety and niche creation in aircraft, helicopters, motorcycles and microcomputers. <i>Research Policy</i> , 1999, 28, 469-488.	3.3	123
26	Proximity, knowledge base and the innovation process: towards an integrated framework. <i>Regional Studies</i> , 2018, 52, 23-34.	2.5	121
27	Models in evolutionary economics and environmental policy: Towards an evolutionary environmental economics. <i>Technological Forecasting and Social Change</i> , 2009, 76, 462-470.	6.2	117
28	The citation impact of research collaborations: the case of European biotechnology and applied microbiology (1988â€“2002). <i>Journal of Engineering and Technology Management - JET-M</i> , 2005, 22, 9-30.	1.4	97
29	R&D portfolios in environmentally friendly automotive propulsion: Variety, competition and policy implications. <i>Technological Forecasting and Social Change</i> , 2004, 71, 485-507.	6.2	88
30	The early development of the steam engine: an evolutionary interpretation using complexity theory. <i>Industrial and Corporate Change</i> , 2004, 13, 419-450.	1.7	88
31	A fitness landscape approach to technological complexity, modularity, and vertical disintegration. <i>Structural Change and Economic Dynamics</i> , 2006, 17, 288-305.	2.1	85
32	Scaling trajectories in civil aircraft (1913â€“1997). <i>Research Policy</i> , 2000, 29, 331-348.	3.3	84
33	Acquisition of European research funds and its effect on international scientific collaboration. <i>Journal of Economic Geography</i> , 2013, 13, 23-52.	1.6	83
34	The battle of the buzzwords: A comparative review of the circular economy and the sharing economy concepts. <i>Environmental Innovation and Societal Transitions</i> , 2021, 38, 1-21.	2.5	82
35	THE EVOLUTION OF INVENTOR NETWORKS IN THE SILICON VALLEY AND BOSTON REGIONS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2007, 10, 53-71.	0.9	80
36	Carsharing business models in Germany: characteristics, success and future prospects. <i>Information Systems and E-Business Management</i> , 2018, 16, 271-291.	2.2	75

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37	Business model innovation and socio-technical transitions. A new prospective framework with an application to bike sharing. <i>Journal of Cleaner Production</i> , 2018, 195, 1300-1312.	4.6	73
38	Institutional entrepreneurship in the platform economy: How Uber tried (and failed) to change the Dutch taxi law. <i>Environmental Innovation and Societal Transitions</i> , 2019, 33, 1-12.	2.5	66
39	The citation impact of research collaboration in science-based industries: A spatial-institutional analysis. <i>Papers in Regional Science</i> , 2010, 89, 351-372.	1.0	65
40	Clustering and firm performance in project-based industries: the case of the global video game industry, 1972-2007. <i>Journal of Economic Geography</i> , 2013, 13, 965-991.	1.6	65
41	A complex systems methodology to transition management. <i>Journal of Evolutionary Economics</i> , 2009, 19, 527-543.	0.8	62
42	What drives university research performance? An analysis using the CWTS Leiden Ranking data. <i>Journal of Informetrics</i> , 2017, 11, 859-872.	1.4	60
43	The Geography of Internet Infrastructure: An Evolutionary Simulation Approach Based on Preferential Attachment. <i>Urban Studies</i> , 2010, 47, 1969-1984.	2.2	55
44	Different business models – different users? Uncovering the motives and characteristics of business-to-consumer and peer-to-peer carsharing adopters in The Netherlands. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 73, 276-306.	3.2	55
45	Technological Relatedness, Related Variety and Economic Geography. , 2011, , .		54
46	Conceptualizing the Gig Economy and Its Regulatory Problems. <i>Policy and Internet</i> , 2020, 12, 525-545.	2.0	53
47	A Complex Network Approach to Urban Growth. <i>Environment and Planning A</i> , 2006, 38, 1941-1964.	2.1	51
48	The subsidiarity principle in innovation policy for societal challenges. <i>Global Transitions</i> , 2020, 2, 51-59.	1.6	50
49	Branching innovation, recombinant innovation, and endogenous technological transitions. <i>Environmental Innovation and Societal Transitions</i> , 2012, 4, 25-35.	2.5	49
50	Explaining carsharing supply across Western European cities. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 243-254.	2.1	49
51	Do more distant collaborations have more citation impact?. <i>Journal of Informetrics</i> , 2013, 7, 966-971.	1.4	48
52	On the existence of persistently outperforming firms. <i>Industrial and Corporate Change</i> , 2014, 23, 997-1036.	1.7	43
53	The study of institutional entrepreneurship and its implications for transition studies. <i>Environmental Innovation and Societal Transitions</i> , 2020, 36, 114-136.	2.5	41
54	Urban Amenities and Agglomeration Economies?. <i>Urban Studies</i> , 2011, 48, 1333-1352.	2.2	40

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55	On digitalization and sustainability transitions. <i>Environmental Innovation and Societal Transitions</i> , 2021, 41, 96-98.	2.5	40
56	Does related variety foster regional entrepreneurship? Evidence from European regions. <i>Regional Studies</i> , 2019, 53, 1531-1543.	2.5	37
57	Firm entry and institutional lock-in: an organizational ecology analysis of the global fashion design industry. <i>Industrial and Corporate Change</i> , 2011, 20, 1031-1048.	1.7	36
58	Weak spots for car-sharing in The Netherlands? The geography of socio-technical regimes and the adoption of niche innovations. <i>Energy Research and Social Science</i> , 2019, 52, 132-143.	3.0	36
59	A framework for mission-oriented innovation policy: Alternative pathways through the problemâ€™solution space. <i>Science and Public Policy</i> , 0, , .	1.2	36
60	Interdependencies, Nearly-Decomposability and Adaptation. <i>Advances in Computational Economics</i> , 1999, , 145-165.	0.1	34
61	On Scaling of Scientific Knowledge Production in U.S. Metropolitan Areas. <i>PLoS ONE</i> , 2014, 9, e110805.	1.1	32
62	The Geographical Distribution of Leadership in Globalized Clinical Trials. <i>PLoS ONE</i> , 2012, 7, e45984.	1.1	31
63	A New Indicator of European Integration and an Application to Collaboration in Scientific Research. <i>Economic Systems Research</i> , 2002, 14, 345-361.	1.2	30
64	Safeguarding Public Interests in the Platform Economy. <i>Policy and Internet</i> , 2020, 12, 400-425.	2.0	30
65	The pricing of open access journals: Diverse niches and sources of value in academic publishing. <i>Quantitative Science Studies</i> , 2020, 1, 28-59.	1.6	30
66	Small wins for grand challenges. A bottom-up governance approach to regional innovation policy. <i>European Planning Studies</i> , 2022, 30, 2245-2272.	1.6	30
67	Death of Distance in Science? A Gravity Approach to Research Collaboration. <i>Understanding Complex Systems</i> , 2009, , 43-57.	0.3	30
68	Optimal modularity: a demonstration of the evolutionary advantage of modular architectures. <i>Journal of Evolutionary Economics</i> , 2012, 22, 935-956.	0.8	29
69	Characterizing and comparing innovation systems by different â€™modesâ€™™ of knowledge production: A proximity approach. <i>Science and Public Policy</i> , 2015, 42, 530-548.	1.2	29
70	Causal relations between knowledge-intensive business services and regional employment growth. <i>Regional Studies</i> , 2018, 52, 172-183.	2.5	28
71	Cross-specialisation policy: rationales and options for linking unrelated industries. <i>Cambridge Journal of Regions, Economy and Society</i> , 2019, 12, 195-212.	1.7	28
72	An Institutional Logics Perspective on the Gig Economy. <i>Research in the Sociology of Organizations</i> , 2020, , 83-105.	0.5	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.	1.2	25
74	Digital disciplinary differences: An analysis of computer-mediated science and "Mode 2" knowledge production. Research Policy, 2008, 37, 1602-1615.	3.3	24
75	Introduction: Evolutionary methodologies for analyzing environmental innovations and the implications for environmental policy. Technological Forecasting and Social Change, 2009, 76, 449-452.	6.2	24
76	Collective institutional work: the case of Airbnb in Amsterdam, London and New York. Industry and Innovation, 2019, 26, 898-919.	1.7	24
77	The geography of scientific citations. Research Policy, 2019, 48, 1771-1780.	3.3	24
78	Thresholds models of technological transitions. Environmental Innovation and Societal Transitions, 2014, 11, 54-70.	2.5	22
79	The Downside of Social Capital in New Industry Creation. Economic Geography, 2019, 95, 315-340.	2.1	21
80	The feasibility of platform cooperatives in the gig economy. Journal of Co-operative Organization and Management, 2022, 10, 100167.	0.9	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 candidates' performance in collaborative vs. non-collaborative Ph.D. projects. Technovation, 2015, 41-42, 51-61.	4.2	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.	3.1	17
86	Grounding the "mirroring hypothesis": Towards a general theory of organization design in New Product Development. Journal of Engineering and Technology Management - JET-M, 2018, 47, 81-95.	1.4	17
87	Variety, complexity and economic development. Research Policy, 2022, 51, 103949.	3.3	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.	2.5	16
89	CONVERGENCE IN AN ENLARGED EUROPE: THE ROLE OF NETWORK CITIES. Tijdschrift Voor Economische En Sociale Geografie, 2006, 97, 321-326.	1.2	15
90	Institutional relatedness and the emergence of renewable energy cooperatives in German districts. Regional Studies, 2022, 56, 548-562.	2.5	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.	1.2	14
92	Editorial: Reaching Out to New Territories â€¦. Regional Studies, 2009, 43, 1-4.	2.5	14
93	Diffusion with social reinforcement: The role of individual preferences. Physical Review E, 2018, 97, 022302.	0.8	14
94	<i>AIRLINE COMPETITION AT EUROPEAN AIRPORTS</i>. Tijdschrift Voor Economische En Sociale Geografie, 2004, 95, 233-242.	1.2	13
95	A typology of scientific breakthroughs. Quantitative Science Studies, 2020, 1, 1203-1222.	1.6	13
96	European infrastructure networks and regional innovation in science-based technologies. Economics of Innovation and New Technology, 2011, 20, 517-537.	2.1	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.	1.2	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.	2.5	10
102	Evolution in city centre retailing: the case of Utrecht (1974â€“2003). International Journal of Retail and Distribution Management, 2005, 33, 824-841.	2.7	9
103	Geography of scientific knowledge: A proximity approach. Quantitative Science Studies, 2020, 1, 1007-1016.	1.6	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.	1.3	8
105	Reverse Technology Assessment in the Age of the Platform Economy. Built Environment, 2020, 46, 22-27.	0.4	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.	1.7	7
107	Catching up in clean energy technologies: a patent analysis. Journal of Technology Transfer, 2023, 48, 693-715.	2.5	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.	2.1	5

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109	A network-based model of exploration and exploitation. <i>Journal of Business Research</i> , 2021, 129, 589-599.	5.8	5
110	Networks, Percolation, and Consumer Demand. <i>Jasss</i> , 2018, 21, .	1.0	5
111	Fitness landscapes, heuristics and technological paradigms: A critique on random search models in evolutionary economics. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	4
112	Designing for a Living? Income Determinants Among Firm Founders in the Dutch Design Sector. <i>Industry and Innovation</i> , 2014, 21, 117-140.	1.7	4
113	Success factors in university–industry PhD projects. <i>Science and Public Policy</i> , 2016, , scv076.	1.2	4
114	Your Uber is arriving now: An analysis of platform location decisions through an institutional lens. <i>Strategic Organization</i> , 2023, 21, 501-536.	3.1	4
115	A genealogical approach to academic success. <i>PLoS ONE</i> , 2020, 15, e0243913.	1.1	4
116	Europeanisation of science. <i>Tijdschrift Voor Economische En Sociale Geografie</i> , 2002, 93, 563-569.	1.2	3
117	Geographic clustering in evolutionary economic geography. , 2015, , .		3
118	The role of community sharing in sustainability transformation: case studies from Norway. <i>Sustainability: Science, Practice, and Policy</i> , 2021, 17, 334-348.	1.1	3
119	A spatial-institutional analysis of researchers with multiple affiliations. <i>PLoS ONE</i> , 2021, 16, e0253462.	1.1	3
120	Proximity and Stratification in European Scientific Research Collaboration Networks: A Policy Perspective. <i>Advances in Spatial Science</i> , 2013, , 263-277.	0.3	3
121	Innovation, qualitative change and economic development—Special issue in honour of Pier-Paolo Savioti. <i>Structural Change and Economic Dynamics</i> , 2010, 21, 1-4.	2.1	2
122	How product development partnerships support hybrid collaborations dealing with global health challenges. <i>Global Transitions</i> , 2020, 2, 190-201.	1.6	2
123	The roles of KIBS and R&D in the industrial diversification of regions. <i>Annals of Regional Science</i> , 2022, 68, 29-64.	1.0	2
124	Servitisation on consumer markets: entry and strategy in Dutch private lease markets. <i>Innovation: Management, Policy and Practice</i> , 2022, 24, 231-250.	2.6	2
125	NEW DIRECTIONS IN RESEARCH ON DOMINANT DESIGNS.. <i>Proceedings - Academy of Management</i> , 2005, 2005, G1-G6.	0.0	1
126	Sectoral co-movements of employment growth at regional level. <i>Economic Systems Research</i> , 2017, 29, 82-104.	1.2	1

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127	On the sudden rise of Dutch science at the end of the nineteenth century: a core-periphery approach. <i>Industry and Innovation</i> , 2021, 28, 1175-1195.	1.7	1
128	Proximity, Social Capital and the Simon Model of Stochastic Growth. <i>Advances in Spatial Science</i> , 2009, , 133-140.	0.3	1
129	Variety in Web Spheres between Research Fields: Content and Function. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
130	Path dependence and the geography of infrastructure networks: the case of the European fibre-optic network. <i>Letters in Spatial and Resource Sciences</i> , 2015, 8, 169-179.	1.2	0
131	Publieke belangen in de deel- en kluseconomie1. <i>Mens En Maatschappij</i> , 2018, 93, 211-230.	0.1	0
132	Why First Movers May Fail: Global Versus Sequential Improvement of Complex Technological Artefacts. <i>Springer Proceedings in Complexity</i> , 2013, , 751-755.	0.2	0
133	Variety and Regional Growth: Theory, Measurement and Outcomes. , 2006, , .		0