

# Manfred M Fischer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2410346/publications.pdf>

Version: 2024-02-01

154  
papers

4,181  
citations

172207

29  
h-index

138251

58  
g-index

168  
all docs

168  
docs citations

168  
times ranked

2323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial regression graph convolutional neural networks: A deep learning paradigm for spatial multivariate distributions. <i>GeoInformatica</i> , 2022, 26, 645-676.	2.0	12
2	2021 JGS best paper award and the editors'™ choice paper volume 24(1). <i>Journal of Geographical Systems</i> , 2022, 24, 1-4.	1.9	0
3	The Dynamic Impact of Monetary Policy on Regional Housing Prices in the United States. <i>Real Estate Economics</i> , 2021, 49, 1039-1068.	1.0	13
4	The regional transmission of uncertainty shocks on income inequality in the United States. <i>Journal of Economic Behavior and Organization</i> , 2021, 183, 887-900.	1.0	9
5	2020 JGS Best Paper Award and the Editors'™ Choice Paper Volume 23(1). <i>Journal of Geographical Systems</i> , 2021, 23, 1-6.	1.9	0
6	Cross-sectional dependence model specifications in a static trade panel data setting. <i>Journal of Geographical Systems</i> , 2020, 22, 5-46.	1.9	4
7	Network dependence in multi-indexed data on international trade flows. <i>Journal of Spatial Econometrics</i> , 2020, 1, 1.	0.2	3
8	Handbook of Regional Science. , 2020, , .		4
9	Welcome to a New Editor-in-Chief. <i>Journal of Geographical Systems</i> , 2019, 21, 451-452.	1.9	0
10	THE ROLE OF US-BASED FDI FLOWS FOR GLOBAL OUTPUT DYNAMICS. <i>Macroeconomic Dynamics</i> , 2019, 23, 943-973.	0.6	4
11	The nexus of entrepreneurship and regional development. , 2019, , 198-217.		5
12	Computational Neural Networks: An Attractive Class of Mathematical Models for Transportation Research. , 2019, , 3-20.		0
13	A Markov Switching Factor-Augmented VAR Model for Analyzing US Business Cycles and Monetary Policy. <i>Oxford Bulletin of Economics and Statistics</i> , 2018, 80, 575-604.	0.9	13
14	Spatial Externalities and Growth in a Mankiw-Romer-Weil World. <i>International Regional Science Review</i> , 2018, 41, 45-61.	1.0	8
15	The Dynamic Impact of Monetary Policy on Regional Housing Prices in the US: Evidence Based on Factor-augmented Vector Autoregressions. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	0
16	The spatial autocorrelation problem in spatial interaction modelling: a comparison of two common solutions. <i>Letters in Spatial and Resource Sciences</i> , 2017, 10, 75-86.	1.2	19
17	Austrian Outbound Foreign Direct Investment in Europe: A Spatial Econometric Study. <i>SSRN Electronic Journal</i> , 2016, , .	0.4	0
18	Constrained Variants of the Gravity Model and Spatial Dependence: Model Specification and Estimation Issues. <i>Advances in Spatial Science</i> , 2016, , 37-66.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Spatial Regression-Based Model Specifications for Exogenous and Endogenous Spatial Interaction. <i>Advances in Spatial Science</i> , 2016, , 15-36.	0.3	10
20	Towards A Regional Science Academy: A Manifesto. <i>Region</i> , 2016, 3, 1.	0.3	2
21	Model Uncertainty in Matrix Exponential Spatial Growth Regression Models. <i>Geographical Analysis</i> , 2015, 47, 240-261.	1.9	19
22	A Bayesian space-time approach to identifying and interpreting regional convergence clubs in Europe. <i>Papers in Regional Science</i> , 2015, 94, 677-703.	1.0	32
23	<i>Spatial Analysis in Geography</i> , 2015, , 94-99.		4
24	Spatial Externalities and Growth in a Mankiw-Romer-Weil World: Theory and Evidence. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	1
25	The Gravity Model for International Trade: Specification and Estimation Issues. <i>Spatial Economic Analysis</i> , 2015, 10, 451-470.	0.8	43
26	Barriers to cross-region research and development collaborations in Europe: evidence from the fifth European Framework Programme. <i>Annals of Regional Science</i> , 2015, 54, 577-590.	1.0	11
27	Neural networks: a class of flexible non-linear models for regression and classification. , 2015, , .		2
28	Model Uncertainty in Matrix Exponential Spatial Growth Regression Models. <i>SSRN Electronic Journal</i> , 2014, , .	0.4	0
29	How do firm characteristics affect behavioural additionalities of public R&D subsidies? Evidence for the Austrian transport sector. <i>Technovation</i> , 2013, 33, 66-77.	4.2	49
30	Constrained variants of the gravity model and spatial dependence: model specification and estimation issues. <i>Journal of Geographical Systems</i> , 2013, 15, 291-317.	1.9	22
31	A Spatial Autoregressive Poisson Gravity Model. <i>Geographical Analysis</i> , 2013, 45, 180-201.	1.9	16
32	The Spatial Autocorrelation Problem in Spatial Interaction Modelling: A Comparison of Two Common Solutions. <i>SSRN Electronic Journal</i> , 2013, , .	0.4	0
33	Joint Knowledge Production in European R&D Networks: Results from a Discrete Choice Modeling Perspective. <i>Advances in Spatial Science</i> , 2013, , 201-220.	0.3	3
34	Neural Spatial Interaction Models: Network Training, Model Complexity and Generalization Performance. <i>Lecture Notes in Computer Science</i> , 2013, , 1-16.	1.0	1
35	Research Collaboration and Regional Knowledge Production in Europe. <i>Advances in Spatial Science</i> , 2013, , 317-334.	0.3	0
36	Estimates of the Impact of Static and Dynamic Knowledge Spillovers on Regional Factor Productivity. <i>International Regional Science Review</i> , 2012, 35, 103-127.	1.0	35

#	ARTICLE	IF	CITATIONS
37	A Bayesian Approach to Identifying and Interpreting Regional Convergence Clubs in Europe. SSRN Electronic Journal, 2012, , .	0.4	0
38	In honor of James P. LeSage. Journal of Geographical Systems, 2012, 14, 1-4.	1.9	5
39	On labour market discrimination against Roma in South East Europe. Papers in Regional Science, 2011, 90, 773-789.	1.0	11
40	The Community Structure of Research and Development Cooperation in Europe: Evidence from a Social Network Perspective. Geographical Analysis, 2011, 43, 415-432.	1.9	28
41	A spatial Mankiwâ€“Romerâ€“Weil model: theory and evidence. Annals of Regional Science, 2011, 47, 419-436.	1.0	79
42	Spatial Data Analysis. SpringerBriefs in Regional Science, 2011, , .	0.2	141
43	Neoclassical theory versus new economic geography: competing explanations of cross-regional variation in economic development. Annals of Regional Science, 2010, 44, 467-491.	1.0	42
44	Spatial Econometric Methods for Modeling Origin-Destination Flows. , 2010, , 409-433.		37
45	Income Distribution Dynamics and Cross-Region Convergence in Europe. , 2010, , 599-628.		6
46	Spatial Interaction and Spatial Autocorrelation. Advances in Spatial Science, 2010, , 61-79.	0.3	15
47	The impact of human capital on regional labor productivity in Europe. Letters in Spatial and Resource Sciences, 2009, 2, 97-108.	1.2	48
48	Geographic localisation of knowledge spillovers: evidence from high-tech patent citations in Europe. Annals of Regional Science, 2009, 43, 839-858.	1.0	38
49	Knowledge Spillovers and Total Factor Productivity: Evidence Using a Spatial Panel Data Model. Geographical Analysis, 2009, 41, 204-220.	1.9	81
50	Patents, Patent Citations and the Geography of Knowledge Spillovers in Europe. Advances in Spatial Science, 2009, , 331-345.	0.3	9
51	Principles of Neural Spatial Interaction Modeling. Advances in Spatial Science, 2009, , 199-214.	0.3	1
52	Income distribution dynamics and cross-region convergence in Europe. Journal of Geographical Systems, 2008, 10, 109-139.	1.9	53
53	A rough set approach for the discovery of classification rules in interval-valued information systems. International Journal of Approximate Reasoning, 2008, 47, 233-246.	1.9	181
54	MODELING SPATIAL AUTOCORRELATION IN SPATIAL INTERACTION DATA: AN APPLICATION TO PATENT CITATION DATA IN THE EUROPEAN UNION*. Journal of Regional Science, 2008, 48, 969-989.	2.1	161

#	ARTICLE	IF	CITATIONS
55	Spatial Growth Regressions: Model Specification, Estimation and Interpretation. <i>Spatial Economic Analysis</i> , 2008, 3, 275-304.	0.8	362
56	Cross-Region Knowledge Spillovers and Total Factor Productivity: European Evidence Using a Spatial Panel Data Model. <i>SSRN Electronic Journal</i> , 2007, , .	0.4	0
57	Efficient organization of information processing. <i>Managerial and Decision Economics</i> , 2007, 28, 13-26.	1.3	1
58	Knowledge spillovers across Europe: Evidence from a Poisson spatial interaction model with spatial effects. <i>Papers in Regional Science</i> , 2007, 86, 393-421.	1.0	121
59	Neural Networks: A General Framework for Non-Linear Function Approximation. <i>Transactions in GIS</i> , 2006, 10, 521-533.	1.0	10
60	The Geography of Knowledge Spillovers Between High-Technology Firms in Europe: Evidence from a Spatial Interaction Modeling Perspective. <i>Geographical Analysis</i> , 2006, 38, 288-309.	1.9	146
61	Pan-European regional income growth and club-convergence. <i>Annals of Regional Science</i> , 2006, 40, 693-721.	1.0	119
62	Spatial Interaction Models: From the Gravity to the Neural Network Approach. <i>Contributions To Economic Analysis</i> , 2005, , 319-346.	0.1	6
63	GIS and Network Analysis. , 2004, , 391-408.		18
64	Spatial Interaction Models: From the Gravity to the Neural Network Approach. <i>Contributions To Economic Analysis</i> , 2004, 266, 317-346.	0.1	1
65	Spatial knowledge spillovers and university research: Evidence from Austria. <i>Annals of Regional Science</i> , 2003, 37, 303-322.	1.0	234
66	Neural Network Modeling of Constrained Spatial Interaction Flows: Design, Estimation, and Performance Issues. <i>Journal of Regional Science</i> , 2003, 43, 35-61.	2.1	20
67	Seigniorage Wealth and Redistribution in Central and Eastern European Countries. <i>Post-Communist Economies</i> , 2003, 15, 27-46.	1.3	5
68	Strategic market research and industry structure in integrated economy. <i>Prague Economic Papers</i> , 2003, 12, 317-329.	0.2	0
69	Technological innovation and interfirm cooperation: an exploratory analysis using survey data from manufacturing firms in the metropolitan region of Vienna. <i>International Journal of Technology Management</i> , 2002, 24, 724.	0.2	70
70	Knowledge interactions between universities and industry in Austria: sectoral patterns and determinants. <i>Research Policy</i> , 2002, 31, 303-328.	3.3	467
71	Information-processing, technological progress, and retail markets dynamics. <i>Information Economics and Policy</i> , 2002, 14, 1-20.	1.7	3
72	Learning in neural spatial interaction models: A statistical perspective. <i>Journal of Geographical Systems</i> , 2002, 4, 287-299.	1.9	23

#	ARTICLE	IF	CITATIONS
73	A Methodology for Neural Spatial Interaction Modeling. Geographical Analysis, 2002, 34, 207-228.	1.9	32
74	Title is missing!. Networks and Spatial Economics, 2002, 2, 191-209.	0.7	5
75	Evaluating Neural Spatial Interaction Modelling by Bootstrapping. Networks and Spatial Economics, 2002, 2, 255-268.	0.7	3
76	Geographic Spillovers of University Research: on Patent Activities of the High Technology Sectors in Austria. Advances in Spatial Science, 2002, , 139-153.	0.3	1
77	A Systemic Approach to Innovation. Advances in Spatial Science, 2002, , 15-31.	0.3	4
78	A Methodology for Neural Spatial Interaction Modeling. , 2002, 34, 207.		6
79	Regional Development Reconsidered: A Prologue. Advances in Spatial Science, 2002, , 1-12.	0.3	0
80	Title is missing!. Networks and Spatial Economics, 2002, 2, 255-268.	0.7	9
81	Spatial Analysis in Geography. , 2001, , 14752-14758.		5
82	Innovation, knowledge creation and systems of innovation. Annals of Regional Science, 2001, 35, 199-216.	1.0	201
83	The Role of Space in the Creation of Knowledge in Austria. An Exploratory Spatial Data Analysis. Advances in Spatial Science, 2001, , 124-145.	0.3	3
84	Computational Neural Networks â€” Tools for Spatial Data Analysis. Advances in Spatial Science, 2001, , 15-34.	0.3	9
85	Multiregional Computational General Equilibrium and Spatial Interaction Trade Modelling: An Empirical Example. Advances in Spatial Science, 2001, , 61-78.	0.3	0
86	Theory of Comparative Advantage: Do Transportation Costs Matter?. Journal of Regional Science, 2000, 40, 311-322.	2.1	15
87	Title is missing!. Neural Processing Letters, 2000, 11, 131-138.	2.0	6
88	Methodological Challenges in Neural Spatial Interaction Modelling: The Issue of Model Selection. Advances in Spatial Science, 2000, , 89-101.	0.3	11
89	Optimization in an Error Backpropagation Neural Network Environment with a Performance Test on a Spectral Pattern Classification Problem. Geographical Analysis, 1999, 31, 89-108.	1.9	1
90	New advances in spatial interaction theory. Papers in Regional Science, 1999, 78, 117-118.	1.0	14

#	ARTICLE	IF	CITATIONS
91	A global search procedure for parameter estimation in neural spatial interaction modelling. Papers in Regional Science, 1999, 78, 119-134.	1.0	24
92	A global search procedure for parameter estimation in neural spatial interaction modelling. Papers in Regional Science, 1999, 78, 119-134.	1.0	5
93	Optimization in an Error Backpropagation Neural Network Environment with a Performance Test on a Spectral Pattern Classification Problem. Geographical Analysis, 1999, 31, 89-108.	1.9	9
94	The Innovation Process and Network Activities of Manufacturing Firms. Advances in Spatial Science, 1999, , 11-27.	0.3	14
95	Intelligent GI Analysis. Advances in Spatial Science, 1999, , 349-368.	0.3	2
96	A genetic-algorithms based evolutionary computational neural network for modelling spatial interaction dataNeural network for modelling spatial interaction data. Annals of Regional Science, 1998, 32, 437-458.	1.0	50
97	Computational Neural Networks: A New Paradigm for Spatial Analysis. Environment and Planning A, 1998, 30, 1873-1891.	2.1	54
98	Discrete Choice Models. , 1998, , 203-227.		38
99	Spectral Pattern Recognition by a Two-Layer Perceptron: Effects of Training Set Size. , 1997, , 105-116.		7
100	Fuzzy ARTMAP " A Neural Classifier for Multispectral Image Classification. Advances in Spatial Science, 1997, , 306-335.	0.3	6
101	Opening up international trade in Eastern European countries. Papers in Regional Science, 1996, 75, 65-78.	1.0	3
102	Learning in Single Hidden"Layer Feedforward Network Models: Backpropagation in a Spatial Interaction Modeling Context. Geographical Analysis, 1996, 28, 38-55.	1.9	41
103	Technology, Organization and Export-Driven Research and Development In Austria'S Electronics Industry. Regional Studies, 1995, 29, 19-42.	2.5	28
104	Trade Effects of the Emerging Market Economies: A Study of the Transport Potential of the Rhine-Main-Danube Waterway. Advances in Spatial Science, 1995, , 179-194.	0.3	1
105	An Exploration into the Determinants of Patent Activities: Some Empirical Evidence for Austria. Regional Studies, 1994, 28, 1-12.	2.5	32
106	From conventional to knowledge-based geographic information systems. Computers, Environment and Urban Systems, 1994, 18, 233-242.	3.3	27
107	ARTIFICIAL NEURAL NETWORKS: A NEW APPROACH TO MODELING INTERREGIONAL TELECOMMUNICATION FLOWS*. Journal of Regional Science, 1994, 34, 503-527.	2.1	112
108	Networks for Process Innovation by Firms: Conjectures from Observations in Three Countries. Advances in Spatial and Network Economics, 1994, , 261-274.	0.3	16

#	ARTICLE	IF	CITATIONS
109	Geographical information systems. Progress in Physical Geography, 1993, 17, 493-502.	1.4	4
110	Telephone Communication Patterns in Austria: A Comparison of the IPFPâ€based Graphâ€Theoretic and the Intramax Approaches. Geographical Analysis, 1993, 25, 224-233.	1.9	21
111	Design and use of geographic information systems and spatial models. , 1993, , 1-13.		9
112	Innovation and Technological Change: An Austrian-British Comparison. Environment and Planning A, 1992, 24, 273-288.	2.1	21
113	Stated preference models of contact decision behavior in academia. Papers in Regional Science, 1992, 71, 359-371.	1.0	4
114	Geographic information systems and spatial analysis. Annals of Regional Science, 1992, 26, 3-17.	1.0	33
115	Telecommunication Media Choice Behavior in Academia: An Austrianâ€Swiss Comparison. Geographical Analysis, 1992, 24, 1-15.	1.9	4
116	Major Issues in Regional Labour Market Analysis. , 1991, , 43-78.		2
117	The Vienna Housing Market: Structure, Problems, and Policies. , 1991, , 235-281.		1
118	Context specific media choice and barriers to communication in universities. Annals of Regional Science, 1990, 24, 253-269.	1.0	9
119	Account of Different Views in Dynamic Choice Processes. , 1990, , 17-47.		1
120	Current Trends in Behavioural Modelling. , 1990, , 1-14.		2
121	Innovation, Diffusion and Regions. , 1989, , 47-61.		10
122	The role of small firms for regional revitalization. Annals of Regional Science, 1988, 22, 28-42.	1.0	23
123	REGIONAL LABOUR MARKET POLICIES: A CROSS-NATIONAL OVERVIEW. Tijdschrift Voor Economische En Sociale Geografie, 1988, 79, 290-296.	1.2	0
124	The Economics of Technological Change: Some Major Research Issues and Gaps in Knowledge. Environment and Planning A, 1988, 20, 281-284.	2.1	2
125	A Choice-Theoretical Labour-Market Model: Empirical Tests at the Mesolevel. Environment and Planning A, 1988, 20, 1085-1102.	2.1	8
126	Housing Choice in a Regulated Market: A Nested Multinomial Logit Analysis. Geographical Analysis, 1988, 20, 47-69.	1.9	33



#	ARTICLE	IF	CITATIONS
127	From static towards dynamic discrete choice modelling. <i>Regional Science and Urban Economics</i> , 1987, 17, 3-27.	1.4	21
128	A DISAGGREGATED PROBABILISTIC APPROACH TO A REGULATED HOUSING MARKET WITH EMPHASIS ON THE DEMAND SIDE: THE VIENNA CASE. <i>Papers in Regional Science</i> , 1986, 60, 133-153.	1.0	10
129	Technological Change and Regional Employment Research. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1986, , 454-462.	0.3	1
130	Log-Linear Modelling and Spatial Analysis. <i>Environment and Planning A</i> , 1985, 17, 931-951.	2.1	19
131	Changing modes of reasoning in spatial choice analysis. <i>Papers in Regional Science</i> , 1985, 58, 1-5.	1.0	4
132	Random utility modelling and labour supply mobility analysis. <i>Papers in Regional Science</i> , 1985, 58, 21-33.	1.0	7
133	Urban development in Viennaâ€”summary. <i>The Housingory and Society</i> , 1985, 2, 195-199.	0.2	3
134	Developments in Explanatory Discrete Spatial Data and Choice Analysis. <i>Progress in Human Geography</i> , 1985, 9, 515-551.	3.3	41
135	Categorical Data and Choice Analysis in a Spatial Context. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1985, , 1-30.	0.3	5
136	A multiregional labour supply model for Austria: The effects of different regionalisations in multiregional labour market modelling. <i>Papers in Regional Science</i> , 1983, 52, 53-83.	1.0	26
137	Measurement of the effects of regional policy by means of time series analysis. <i>Papers in Regional Science</i> , 1982, 49, 131-150.	1.0	1
138	Regional taxonomy. <i>Regional Science and Urban Economics</i> , 1980, 10, 503-537.	1.4	56
139	A methodological approach for large regional taxonomic problems: spatial patterns of population development in Austria. <i>Papers in Regional Science</i> , 1980, 44, 119-135.	1.0	5
140	A novel modular product unit neural network for modelling constrained spatial interaction flows. , 0, , .		2
141	Spatial Growth Regressions: Model Specification, Estimation and Interpretation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	14
142	Modelling Spatial Autocorrelation in Spatial Interaction Data. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
143	The Impact of Human Capital on Regional Labor Productivity in Europe. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
144	Knowledge Spillovers and Total Factor Productivity: Evidence Using a Spatial Panel Data Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7

#	ARTICLE	IF	CITATIONS
145	Spatial Econometric Methods for Modeling Origin Destination Flows. SSRN Electronic Journal, 0, , .	0.4	3
146	The Impact of Knowledge Capital on Regional Total Factor Productivity. SSRN Electronic Journal, 0, , .	0.4	5
147	Spatial Regression-Based Model Specifications for Exogenous and Endogenous Spatial Interaction. SSRN Electronic Journal, 0, , .	0.4	2
148	Cross-Sectional Dependence Model Specifications in a Static Trade Panel Data Setting. SSRN Electronic Journal, 0, , .	0.4	1
149	A Spatial Mankiw-Romer-Weil Model: Theory and Evidence. SSRN Electronic Journal, 0, , .	0.4	3
150	Estimates and Inferences of Knowledge Capital Impacts on Regional Total Factor Productivity. SSRN Electronic Journal, 0, , .	0.4	2
151	Income Distribution Dynamics and Cross-Region Convergence in Europe: Spatial Filtering and Novel Stochastic Kernel Representations. SSRN Electronic Journal, 0, , .	0.4	2
152	Evaluation of Neural Pattern Classifiers for a Remote Sensing Application. , 0, , 155-181.		0
153	The New Economy and Networking. , 0, , 95-115.		0
154	Neural Networks for Spatial Data Analysis. , 0, , 375-396.		1