

Gustav Feichtinger

List of Publications by Year in descending order

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134
papers

3,109
citations

186209

28
h-index

233338

45
g-index

139
all docs

139
docs citations

139
times ranked

1340
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Optimal Control Models in Advertising: Recent Developments. <i>Management Science</i> , 1994, 40, 195-226.	2.4	324
2	Optimal Control of Nonlinear Processes. , 2008, , .		213
3	Optimality conditions for age-structured control systems. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 288, 47-68.	0.5	101
4	Optimal Dynamic Allocation of Treatment and Enforcement in Illicit Drug Control. <i>Operations Research</i> , 2001, 49, 352-362.	1.2	94
5	Optimal pricing and production in an inventory model. <i>European Journal of Operational Research</i> , 1985, 19, 45-56.	3.5	79
6	Environmental policy, the porter hypothesis and the composition of capital: Effects of learning and technological progress. <i>Journal of Environmental Economics and Management</i> , 2005, 50, 434-446.	2.1	73
7	Optimal Control of Drug Epidemics: Prevent and Treatâ€”But Not at the Same Time?. <i>Management Science</i> , 2000, 46, 333-347.	2.4	67
8	A dynamic model of drug initiation: implications for treatment and drug control. <i>Mathematical Biosciences</i> , 1999, 159, 1-20.	0.9	66
9	Limit cycles in intertemporal adjustment models. <i>Journal of Economic Dynamics and Control</i> , 1994, 18, 353-380.	0.9	63
10	Anticipation effects of technological progress on capital accumulation: a vintage capital approach. <i>Journal of Economic Theory</i> , 2006, 126, 143-164.	0.5	59
11	Optimal choice of health and retirement in a life-cycle model. <i>Journal of Economic Theory</i> , 2015, 158, 186-212.	0.5	58
12	Differential game models in management science. <i>European Journal of Operational Research</i> , 1983, 14, 137-155.	3.5	57
13	Noncooperative solutions for a differential game model of fishery. <i>Journal of Economic Dynamics and Control</i> , 1989, 13, 1-20.	0.9	55
14	The optimal lockdown intensity for COVID-19. <i>Journal of Mathematical Economics</i> , 2021, 93, 102489.	0.4	50
15	Optimizing counter-terror operations: Should one fight fire with â€œfireâ€-or â€œwaterâ€?. <i>Computers and Operations Research</i> , 2008, 35, 1874-1885.	2.4	48
16	R&D for green technologies in a dynamic oligopoly: Schumpeter, arrow and inverted-Uâ€™s. <i>European Journal of Operational Research</i> , 2016, 249, 1131-1138.	3.5	43
17	Explaining fashion cycles: Imitators chasing innovators in product space. <i>Journal of Economic Dynamics and Control</i> , 2007, 31, 1535-1556.	0.9	42
18	Optimal Price and Advertising Policy for a Convenience Goods Retailer. <i>Marketing Science</i> , 1988, 7, 187-201.	2.7	41

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19	Optimal pricing in a diffusion model with concave price-dependent market potential. <i>Operations Research Letters</i> , 1982, 1, 236-240.	0.5	40
20	The Recruitment Trajectory Corresponding to Particular Stock Sequences in Markovian Person-Flow Models. <i>Mathematics of Operations Research</i> , 1976, 1, 175-184.	0.8	39
21	A Differential Games Solution to a Model of Competition Between a Thief and the Police. <i>Management Science</i> , 1983, 29, 686-699.	2.4	38
22	On the stability and potential cyclicity of corruption in governments subject to popularity constraints. <i>Mathematical Social Sciences</i> , 1994, 28, 113-131.	0.3	38
23	Capital accumulation under technological progress and learning: A vintage capital approach. <i>European Journal of Operational Research</i> , 2006, 172, 293-310.	3.5	38
24	Modeling the impact of product quality on dynamic pricing and advertising policies. <i>European Journal of Operational Research</i> , 2020, 284, 990-1001.	3.5	38
25	Brand image and brand dilution in the fashion industry. <i>Automatica</i> , 2006, 42, 1363-1370.	3.0	36
26	A model on the escape from the Malthusian trap. <i>Journal of Population Economics</i> , 1998, 11, 535-550.	3.5	33
27	Why present-oriented societies undergo cycles of drug epidemics. <i>Journal of Economic Dynamics and Control</i> , 2002, 26, 919-936.	0.9	32
28	Adpuls in continuous time. <i>European Journal of Operational Research</i> , 1988, 34, 171-177.	3.5	31
29	A DNS-curve in a two-state capital accumulation model: a numerical analysis. <i>Journal of Economic Dynamics and Control</i> , 2003, 27, 701-716.	0.9	30
30	How long should the COVID-19 lockdown continue?. <i>PLoS ONE</i> , 2020, 15, e0243413.	1.1	30
31	Interaction of pricing, advertising and experience quality: A dynamic analysis. <i>European Journal of Operational Research</i> , 2017, 256, 877-885.	3.5	29
32	Lanchester model for three-way combat. <i>European Journal of Operational Research</i> , 2018, 264, 46-54.	3.5	29
33	Slow-fast dynamics in Wonderland. <i>Environmental Modeling and Assessment</i> , 1996, 1, 3-17.	1.2	28
34	Capital accumulation, endogenous population growth, and Easterlin cycles. <i>Journal of Population Economics</i> , 1990, 3, 73-87.	3.5	27
35	History dependence in concave economies. <i>Journal of Economic Behavior and Organization</i> , 2005, 57, 390-407.	1.0	27
36	When to make proprietary software open source. <i>Journal of Economic Dynamics and Control</i> , 2013, 37, 1182-1194.	0.9	27

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37	Optimal oscillations in control models: How can constant demand lead to cyclical production?. Operations Research Letters, 1986, 5, 277-281.	0.5	26
38	Immigration into a Population with Fertility below Replacement Level – The Case of Germany. Population Studies, 1992, 46, 275-284.	1.1	26
39	Saddle point analysis in a price-advertising model. Journal of Economic Dynamics and Control, 1982, 4, 319-340.	0.9	24
40	Individual firm and market dynamics of CSR activities. Journal of Economic Behavior and Organization, 2013, 86, 169-182.	1.0	24
41	The Nash solution of a maintenance-production differential game. European Journal of Operational Research, 1982, 10, 165-172.	3.5	23
42	Age-structured optimal control in population economics. Theoretical Population Biology, 2004, 65, 373-387.	0.5	23
43	Autonomous and advertising-dependent “word of mouth” under costly dynamic pricing. European Journal of Operational Research, 2016, 251, 860-872.	3.5	22
44	Hopf bifurcation in an advertising diffusion model. Journal of Economic Behavior and Organization, 1992, 17, 401-411.	1.0	21
45	On the generalization of stable age distributions to Gani-type person-flow models. Advances in Applied Probability, 1976, 8, 433-445.	0.4	20
46	On the persistence of corruption. Journal of Economics/ Zeitschrift Fur Nationalokonomie, 1996, 64, 177-193.	0.5	20
47	Environmental effects of tourism industry investments: an inter-temporal trade-off. Optimal Control Applications and Methods, 2002, 23, 1-19.	1.3	20
48	Optimal dynamic law enforcement. European Journal of Operational Research, 2002, 141, 58-69.	3.5	20
49	On a Distributed Control Problem Arising in Dynamic Optimization of a Fixed-Size Population. SIAM Journal on Optimization, 2007, 18, 980-1003.	1.2	20
50	Skiba points in free end-time problems. Journal of Economic Dynamics and Control, 2015, 51, 404-419.	0.9	20
51	Optimal enforcement policies (crackdowns) on an illicit drug market. Optimal Control Applications and Methods, 1998, 19, 169-184.	1.3	19
52	An age-structured single-state drug initiation model – cycles of drug epidemics and optimal prevention programs. Socio-Economic Planning Sciences, 2004, 38, 91-109.	2.5	19
53	Optimal control of a terror queue. European Journal of Operational Research, 2016, 248, 246-256.	3.5	19
54	History-dependence in production-pollution-trade-off models: a multi-stage approach. Annals of Operations Research, 2014, 222, 457-481.	2.6	18

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55	MAXIMUM PRINCIPLE FOR AGE AND DURATION STRUCTURED SYSTEMS: A TOOL FOR OPTIMAL PREVENTION AND TREATMENT OF HIV. <i>Mathematical Population Studies</i> , 2004, 11, 3-28.	0.8	17
56	Externalities in a life cycle model with endogenous survival. <i>Journal of Mathematical Economics</i> , 2011, 47, 627-641.	0.4	17
57	Dynamic R&D competition with memory. <i>Journal of Evolutionary Economics</i> , 1993, 3, 145-152.	0.8	16
58	Endogenous population growth and the exploitation of renewable resources. <i>Mathematical Population Studies</i> , 1994, 5, 87-106.	0.8	16
59	The Dynamics of a Simple Relative Adjustment Cost Framework. <i>German Economic Review</i> , 2001, 2, 255-268.	0.5	16
60	Chaos in nonlinear dynamical systems exemplified by an R & D model. <i>European Journal of Operational Research</i> , 1993, 68, 145-159.	3.5	15
61	A dynamic variant of the battle of the sexes. <i>International Journal of Game Theory</i> , 1993, 22, 359-380.	0.5	15
62	Numerical solution of a conspicuous consumption model with constant control delay. <i>Automatica</i> , 2011, 47, 1868-1877.	3.0	15
63	Optimal language policy for the preservation of a minority language. <i>Mathematical Social Sciences</i> , 2016, 81, 8-21.	0.3	15
64	Petrarch's canzoniere: Rational addiction and amorous cycles. <i>Journal of Mathematical Sociology</i> , 1999, 23, 225-240.	0.6	14
65	Chaotic consumption patterns in a simple 2-D addiction model. <i>Economic Theory</i> , 1997, 10, 147-173.	0.5	13
66	Optimal periodic development of a pollution generating tourism industry. <i>European Journal of Operational Research</i> , 2001, 134, 582-591.	3.5	13
67	Advertising and Quality-Dependent Word-of-Mouth in a Contagion Sales Model. <i>Journal of Optimization Theory and Applications</i> , 2016, 170, 323-342.	0.8	13
68	Self-generated fertility waves in a non-linear continuous overlapping generations model. <i>Journal of Population Economics</i> , 1989, 2, 267-80.	3.5	12
69	Capital accumulation, aspiration adjustment, and population growth: Limit cycles in an Easterlin-type model. <i>Mathematical Population Studies</i> , 1990, 2, 93-103.	0.8	12
70	Skiba thresholds in a model of controlled migration. <i>Journal of Economic Behavior and Organization</i> , 2005, 57, 490-508.	1.0	12
71	On the optimality of cyclical employment policies. <i>Journal of Economic Dynamics and Control</i> , 1986, 10, 457-466.	0.9	11
72	Limit cycles in dynamic economic systems. <i>Annals of Operations Research</i> , 1992, 37, 313-344.	2.6	11

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73	The geometry of Wonderland. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 1989-2006.	2.5	11
74	Quality Cycles and the Strategic Manipulation of Value. <i>Operations Research</i> , 2006, 54, 666-677.	1.2	11
75	When in a drug epidemic should the policy objective switch from use reduction to harm reduction?. <i>European Journal of Operational Research</i> , 2010, 201, 308-318.	3.5	11
76	Complex optimal policies in an advertising diffusion model. <i>Chaos, Solitons and Fractals</i> , 1995, 5, 45-53.	2.5	10
77	Minimizing the dependency ratio in a population with below-replacement fertility through immigration. <i>Theoretical Population Biology</i> , 2012, 82, 158-169.	0.5	10
78	Price-raising drug enforcement and property crime: a dynamic model. <i>Journal of Economics/ Zeitschrift Fur Nationalokonomie</i> , 2000, 71, 227-253.	0.5	9
79	Title is missing!. <i>Environmental Modeling and Assessment</i> , 2003, 8, 35-45.	1.2	9
80	Financially constrained capital investments: The effects of disembodied and embodied technological progress. <i>Journal of Mathematical Economics</i> , 2008, 44, 459-483.	0.4	9
81	Two state capital accumulation with heterogenous products: Disruptive vs. non-disruptive goods. <i>Journal of Economic Dynamics and Control</i> , 2011, 35, 462-478.	0.9	9
82	Leading bureaucracies to the tipping point: An alternative model of multiple stable equilibrium levels of corruption. <i>European Journal of Operational Research</i> , 2013, 225, 541-546.	3.5	9
83	Multiple equilibria and indifference-threshold points in a rational addiction model. <i>Central European Journal of Operations Research</i> , 2013, 21, 507-522.	1.1	9
84	Endogenous population growth may imply chaos. <i>Journal of Population Economics</i> , 1995, 8, 59-80.	3.5	8
85	How should Policy Respond to Disruptions in Markets for Illegal Drugs?. <i>Contemporary Drug Problems</i> , 2008, 35, 371-395.	0.7	8
86	The reproductive value in distributed optimal control models. <i>Theoretical Population Biology</i> , 2010, 77, 164-170.	0.5	8
87	Optimal pulsing in an advertising diffusion model. <i>Optimal Control Applications and Methods</i> , 1994, 15, 267-276.	1.3	7
88	Intrafamilial Consumption and Saving under Altruism and Wealth Considerations. <i>Economica</i> , 2002, 69, 93-111.	0.9	7
89	Keeping up with the technology pace: A DNS-curve and a limit cycle in a technology investment decision problem. <i>Journal of Economic Behavior and Organization</i> , 2005, 57, 509-529.	1.0	7
90	Optimal Career Strategies and Brain Drain in Academia. <i>Journal of Optimization Theory and Applications</i> , 2016, 168, 268-295.	0.8	7

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91	Accelerating the diffusion of innovations under mixed word of mouth through marketingâ€™operations interaction. <i>Annals of Operations Research</i> , 2018, 264, 435-458.	2.6	7
92	On the Matthew effect in research careers. <i>Journal of Economic Dynamics and Control</i> , 2021, 123, 104058.	0.9	7
93	On the age dynamics of learned societies - taking the example of the Austrian Academy Sciences. <i>Vienna Yearbook of Population Research</i> , 2007, 2007, 107-131.	0.2	7
94	Politico-economic cycles of regulation and deregulation. <i>European Journal of Political Economy</i> , 1991, 7, 469-485.	1.0	6
95	Optimal treatment of cancer diseases. <i>International Journal of Systems Science</i> , 1993, 24, 1253-1263.	3.7	6
96	Resource leasing and optimal periodic capital investments. <i>Zeitschrift Fuer Operations-Research, Serie B: Praxis</i> , 1995, 42, 47-67.	0.3	6
97	Persistent Cyclical Consumption. <i>Rationality and Society</i> , 1995, 7, 156-166.	0.2	6
98	HIGH AND LOW FREQUENCY OSCILLATIONS IN DRUG EPIDEMICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 3275-3289.	0.7	6
99	Modelling Social Dynamics (of Obesity) and Thresholds. <i>Games</i> , 2010, 1, 395-414.	0.4	6
100	Keeping a learned society young. <i>Demographic Research</i> , 0, 20, 541-558.	2.0	6
101	Rational addictive cycles (â€™bingesâ€™) under a budget constraint. <i>Optimal Control Applications and Methods</i> , 1992, 13, 95-104.	1.3	5
102	A Dynamic Analysis of Schellingâ€™s Binary Corruption Model: A Competitive Equilibrium Approach. <i>Journal of Optimization Theory and Applications</i> , 2014, 161, 608-625.	0.8	5
103	Differential Terror Queue Games. <i>Dynamic Games and Applications</i> , 2017, 7, 578-593.	1.1	5
104	Optimal scientific production over the life cycle. <i>Journal of Economic Dynamics and Control</i> , 2019, 108, 103752.	0.9	5
105	Modeling Supply Shocks in Optimal Control Models of Illicit Drug Consumption. <i>Lecture Notes in Computer Science</i> , 2008, , 285-292.	1.0	5
106	Zur Theorie abstrakter stochastischer Automaten. <i>Zeitschrift F¼r Wahrscheinlichkeitstheorie Und Verwandte Gebiete</i> , 1968, 9, 341-356.	0.8	4
107	The Linear Model Formulation of a Multitype Branching Process Applied to Population Dynamics. <i>Journal of the American Statistical Association</i> , 1974, 69, 662-664.	1.8	4
108	Nonconcavity and proper optimal periodic control. <i>Journal of Economic Dynamics and Control</i> , 1994, 18, 975-990.	0.9	4

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109	Production, distribution and insecurity of food: a dynamic framework. <i>Structural Change and Economic Dynamics</i> , 2003, 14, 317-337.	2.1	4
110	Bifurcations to Periodic Solutions in a Production/Inventory Model. <i>Journal of Nonlinear Science</i> , 2004, 14, 469-503.	1.0	4
111	Prevention and medication of HIV/AIDS: the case of Botswana. <i>Central European Journal of Operations Research</i> , 2007, 15, 47-61.	1.1	4
112	Capital stock management during a recession that freezes credit markets. <i>Journal of Economic Behavior and Organization</i> , 2015, 116, 1-14.	1.0	4
113	A bifurcation analysis of gender equality and fertility. <i>Journal of Evolutionary Economics</i> , 2017, 27, 1221-1243.	0.8	4
114	The mathematics of ageing:. <i>Central European Journal of Operations Research</i> , 2020, 28, 371-399.	1.1	4
115	â€žWahrscheinlichkeitslernenâ€œ in der statistischen Lerntheorie. <i>Metrika</i> , 1972, 18, 35-55.	0.5	3
116	Optimal employment strategies of profitâ€œmaximizing and labourâ€œmanaged firms. <i>Optimal Control Applications and Methods</i> , 1984, 5, 235-253.	1.3	3
117	Planning the unusual: Applications of control theory to nonstandard problems. <i>Acta Applicandae Mathematicae</i> , 1986, 7, 79-102.	0.5	3
118	OPTIMAL LONG-RUN BUDGETARY POLICIES SUBJECT TO THE MAASTRICHT CRITERIA OR A STABILITY PACT. <i>Macroeconomic Dynamics</i> , 2002, 6, 665-686.	0.6	3
119	Optimal age-specific election policies in two-level organizations with fixed size. <i>Central European Journal of Operations Research</i> , 2012, 20, 649-677.	1.1	3
120	A note to JÃrgensen's logarithmic advertising differential game. <i>Zeitschrift Fuer Operations-Research, Serie B: Praxis</i> , 1984, 28, B133-B153.	0.3	2
121	The accomplishment of the Maastricht criteria with respect to initial debt. <i>Journal of Economics/ Zeitschrift Fur Nationalokonomie</i> , 1998, 68, 93-110.	0.5	2
122	A new solution property in optimal control: The lens. <i>Automatica</i> , 2007, 43, 744-747.	3.0	2
123	Cycles of violence: A dynamic control analysis. <i>European Journal of Operational Research</i> , 2007, 181, 350-361.	3.5	2
124	Long term implications of drug policy shifts: Anticipating and non-anticipating consumers. <i>Annual Reviews in Control</i> , 2013, 37, 105-115.	4.4	2
125	Growth and Collapse of Empires: A Dynamic Optimization Model. <i>Journal of Optimization Theory and Applications</i> , 2020, 186, 620-643.	0.8	2
126	Why (some) abnormal problems are â€œnormalâ€œ. <i>Systems and Control Letters</i> , 2021, 154, 104971.	1.3	2

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127	On the matthew effect on individual investments in skills in arts, sports and science. Journal of Economic Behavior and Organization, 2022, 196, 178-199.	1.0	2
128	Optimal maintenance policies under deterministic deterioration and stochastic failure. Optimal Control Applications and Methods, 1983, 4, 153-162.	1.3	1
129	The Impact of Policies Influencing the Demography of Age-Structured Populations: Lessons from Academies of Sciences. Genus, 2012, 68, 29-52.	1.0	1
130	Äœber einN-elementiges Modell der Reiz-Stichproben-Theorie mit stetigem Zeitparameter und zwei Antwortklassen. Metrika, 1972, 18, 94-109.	0.5	0
131	The economy as an evolving complex system. Journal of Economic Behavior and Organization, 1991, 15, 316-319.	1.0	0
132	Zum Begriff "Schwung des Bevœlkerungswachstums". Jahrbucher Fur Nationalokonomie Und Statistik, 1979, 194, 399-400.	0.4	0
133	Mœller, Ulrich, Bevœlkerungsstatistik und Bevœlkerungsdynamik. Jahrbucher Fur Nationalokonomie Und Statistik, 1994, 213, 634-634.	0.4	0
134	Complex solutions of nonconcave dynamic optimization models. Economic Theory, 1997, 9, 427-439.	0.5	0