Ferenc Szidarovszky

List of Publications by Year
in descending order

176 papers	2,674 citations	279798 23 h-index	276875 41 g-index
182 all docs	182 docs citations	182 times ranked	1466 citing authors

#	Article	IF	Citations
1	Emission charge controllability in Cournot duopoly: static and dynamic effects. Journal of Difference Equations and Applications, 2022, 28, 1282-1307.	1.1	5
2	The chaotic monopolist revisited with bounded rationality and delay dynamics. Chaos, Solitons and Fractals, 2022, 159, 112142.	5.1	3
3	Cournot oligopoly when the competitors operate under capital constraints. Chaos, Solitons and Fractals, 2022, 160, 112154.	5.1	2
4	N-firm oligopolies with pollution control and random profits. Asia-Pacific Journal of Regional Science, 2022, 6, 1017-1039.	2.1	2
5	Effective ambient charges on non-point source pollution in a two-stage Bertrand duopoly. Journal of Environmental Economics and Policy, 2021, 10, 74-89.	2.5	2
6	Controlling non-point source pollution in Cournot oligopolies with hyperbolic demand. SN Business & Economics, 2021, 1, 1.	1.1	5
7	Delay two-sector economic growth model with a Cobb–Douglas production function. Decisions in Economics and Finance, 2021, 44, 341-358.	1.8	0
8	Time delays and chaos in two competing species revisited. Applied Mathematics and Computation, 2021, 395, 125862.	2.2	3
9	Stability switching and its directions in cournot duopoly game with three delays. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.9	0
10	Delay Cournot Duopoly Game with Gradient Adjustment: Berezowski Transition from a Discrete Model to a Continuous Model. Mathematics, 2021, 9, 32.	2.2	2
11	Delay growth model augmented with physical and human capitals. Chaos, Solitons and Fractals, 2020, 130, 109452.	5.1	8
12	Dynamic Models of Pollution Penalties and Rewards with Time Delays. Abstract and Applied Analysis, 2020, 2020, 1-10.	0.7	0
13	Delay Stability of n-Firm Cournot Oligopolies. Mathematics, 2020, 8, 1615.	2.2	0
14	Stability switching curves in a Lotka–Volterra competition system with two delays. Mathematics and Computers in Simulation, 2020, 178, 422-438.	4.4	11
15	Stability of dynamic asymmetric contests with endogenous prizes. Journal of Economic Interaction and Coordination, 2020, , 1.	0.7	0
16	Dynamic Contest Games with Time Delays. International Game Theory Review, 2020, 22, 1950017.	0.5	1
17	Agent Behavior and Transitions in N-Person Social Dilemma Games. , 2020, , 205-229.		0
18	Environmental Regulation for Non-point Source Pollution in a Cournot Three-Stage Game. New Frontiers in Regional Science: Asian Perspectives, 2020, , 333-347.	0.2	4

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19	Neoclassical growth model with two fixed delays. Metroeconomica, 2019, 70, 423-441.	1.0	5
20	Regulation of non-point source pollution under n-firm Bertrand competition. Environmental Economics and Policy Studies, 2019, 21, 579-597.	2.0	5
21	Neoclassical growth model with multiple distributed delays. Communications in Nonlinear Science and Numerical Simulation, 2019, 70, 234-247.	3.3	7
22	Goodwin accelerator model revisited with fixed time delays. Communications in Nonlinear Science and Numerical Simulation, 2018, 58, 233-248.	3.3	9
23	Environmental effects of ambient charge in cournot oligopoly. Journal of Environmental Economics and Policy, 2018, 7, 41-56.	2.5	9
24	A delay dynamic model of love affair with cautious partners. AIP Advances, 2018, 8, .	1.3	4
25	Dynamic Oligopolies with Time Delays. , 2018, , .		17
26	A General Formula for Expected Number of Failures. , 2018, , .		1
27	Delay Cournot duopoly models revisited. Chaos, 2018, 28, 093113.	2.5	7
28	Extended Oligopolies with Pollution Penalties and Rewards. Discrete Dynamics in Nature and Society, 2018, 2018, 1-8.	0.9	2
29	Applicability of the Analytical Solution to N-Person Social Dilemma Games. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	1
30	Environmental Policy for Non-Point Source Pollutions in a Bertrand Duopoly. Theoretical Economics Letters, 2018, 08, 1058-1069.	0.5	3
31	Closure to â€œConjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approachâ€•by Hamid R. Safavi, Milad Mehrparvar, and Ferenc Szidarovszky. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 07017002.	1.0	0
32	An effective age-based preventive replacement model. , 2017, , .		0
33	Extended oligopolies with contingent workforce. Journal of Evolutionary Economics, 2017, 27, 989-1005.	1.7	0
34	Extended Dynamic Oligopolies with Flexible Workforce and Isoelastic Price Function. Frontiers in Applied Mathematics and Statistics, 2016, 2, .	1.3	0
35	Delay Dynamics in a Classical ISâ€ŁM Model with Tax Collections. Metroeconomica, 2016, 67, 667-697.	1.0	3
36	Optimal maintenance policies under changing technology and environment. , 2016, , .		1

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37	New one cycle criteria for optimizing preventive replacement policies. Reliability Engineering and System Safety, 2016, 154, 42-48.	8.9	37
38	Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, .	1.0	16
39	Game Theory and Its Applications. , 2016, , .		19
40	Dynamic Oligopoly Models with Production Adjustment and Investment Costs. , 2016, , 99-109.		1
41	Learning in Monopolies with Delayed Price Information. , 2016, , 57-79.		1
42	The Asymptotic Behavior in a Nonlinear Cobweb Model with Time Delays. Discrete Dynamics in Nature and Society, 2015, 2015, 1-14.	0.9	8
43	Learning monopolies with delayed feedback on price expectations. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 151-165.	3.3	9
44	Nonlinear Interval Parameter Programming Combined with Cooperative Games: a Tool for Addressing Uncertainty in Water Allocation Using Water Diplomacy Framework. Water Resources Management, 2015, 29, 4285-4303.	3.9	26
45	Oligopolies with contingent workforce and unemployment insurance systems. Communications in Nonlinear Science and Numerical Simulation, 2015, 27, 52-65.	3.3	3
46	Nonlinear multiplier–accelerator model with investment and consumption delays. Structural Change and Economic Dynamics, 2015, 33, 1-9.	4.5	22
47	Nonlinear Cournot duopoly with implementation delays. Chaos, Solitons and Fractals, 2015, 79, 157-165.	5.1	15
48	Delay dynamics of a Cournot game with heterogeneous duopolies. Applied Mathematics and Computation, 2015, 269, 699-713.	2.2	10
49	Dynamic oligopolies with contingent workforce and investment costs. Mathematics and Computers in Simulation, 2015, 108, 144-154.	4.4	6
50	Dynamic monopoly with multiple continuously distributed time delays. Mathematics and Computers in Simulation, 2015, 108, 99-118.	4.4	11
51	A multiresolution approach for optimal defense against random attacks. International Journal of Information Security, 2015, 14, 61-72.	3.4	2
52	Discrete time dynamic oligopolies with adjustment constraints. Journal of Dynamics and Games, 2015, 2, 65-87.	1.0	7
53	A fictitious play–based response strategy for multistage intrusion defense systems. Security and Communication Networks, 2014, 7, 473-491.	1.5	8
54	A multi-objective optimization approach for invasive species control. Journal of the Operational Research Society, 2014, 65, 1625-1635.	3.4	15

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55	Incorporating risk seeking attitude into defense strategy. Reliability Engineering and System Safety, 2014, 123, 104-109.	8.9	3
56	Discrete and continuous dynamics in nonlinear monopolies. Applied Mathematics and Computation, 2014, 232, 632-642.	2.2	23
57	Nash bargaining and leader–follower models in water allocation: Application to the Zarrinehrud River basin, Iran. Applied Mathematical Modelling, 2014, 38, 1959-1968.	4.2	47
58	Invasive Species Control Optimization as a Dynamic Spatial Process: An Application to Buffelgrass (Pennisetum ciliare) in Arizona. Invasive Plant Science and Management, 2014, 7, 132-146.	1.1	11
59	Complex dynamics of monopolies with gradient adjustment. Economic Modelling, 2014, 42, 220-229.	3.8	17
60	Discrete-time delay dynamics of boundedly rational monopoly. Decisions in Economics and Finance, 2014, 37, 53-79.	1.8	14
61	A note on the paper ‘On dynamical multi-team Cournot game in exploitation of a renewable resource’. Chaos, Solitons and Fractals, 2014, 62-63, 34-35.	5.1	0
62	Evolutionary competition in a mixed market with socially concerned firms. Journal of Economic Dynamics and Control, 2014, 48, 394-409.	1.6	88
63	Artificial Neural Network–Based Modeling of Hydrologic Processes. , 2014, , 19-34.		1
64	Boundedly Rational Monopoly with Single Continuously Distributed Time Delay. , 2014, , 83-107.		2
65	Equilibria analysis in social dilemma games with Skinnerian agents. Mind and Society, 2013, 12, 219-233.	1.3	7
66	Isoelastic oligopolies under uncertainty. Applied Mathematics and Computation, 2013, 219, 10475-10486.	2.2	1
67	Coordination of advertising in supply chain management with cooperating manufacturer and retailers. IMA Journal of Management Mathematics, 2013, 24, 1-19.	1.6	26
68	Dynamic monopoly with bounded continuously distributed delay. Chaos, Solitons and Fractals, 2013, 47, 66-72.	5.1	13
69	EXISTENCE AND UNIQUENESS OF EQUILIBRIUM IN ASYMMETRIC CONTESTS WITH ENDOGENOUS PRIZES. International Game Theory Review, 2013, 15, 1350005.	0.5	23
70	An Elementary Study of a Class of Dynamic Systems with Single Time Delay. Cubo, 2013, 15, 01-08.	0.5	6
71	Asymptotic Behavior of a Delay Differential Neoclassical Growth Model. Sustainability, 2013, 5, 440-455.	3.2	36
72	Invasive Species Control Based on a Cooperative Game. Applied Mathematics, 2013, 04, 54-59.	0.4	7

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73	SYSTEMATIC APPROACH TO N-PERSON SOCIAL DILEMMA GAMES: CLASSIFICATION AND ANALYSIS. International Game Theory Review, 2012, 14, 1250015.	0.5	4
74	Some notes on applying the Herfindahlâ€"Hirschman Index. Applied Economics Letters, 2012, 19, 181-184.	1.8	47
75	An Elementary Study of a Class of Dynamic Systems with Two Time Delays. Cubo, 2012, 14, 103-113.	0.5	8
76	Nonlinear delay monopoly with bounded rationality. Chaos, Solitons and Fractals, 2012, 45, 507-519.	5.1	34
77	On optimal strategies in protecting computer networks. , 2011, , .		0
78	Delay differential neoclassical growth model. Journal of Economic Behavior and Organization, 2011, 78, 272-289.	2.0	55
79	A dynamic model of controlling invasive species. Computers and Mathematics With Applications, 2011, 62, 3326-3333.	2.7	18
80	Dynamics in Linear Cournot Duopolies with Two Time Delays. Computational Economics, 2011, 38, 311-327.	2.6	14
81	Multicriteria Analysis. , 2011, , .		29
82	Stability, Bifurcation, and Chaos in N-Firm Nonlinear Cournot Games. Discrete Dynamics in Nature and Society, 2011, 2011, 1-22.	0.9	8
83	Soft Computing in Water Resources Management by Using OWA Operator. Studies in Fuzziness and Soft Computing, 2011, , 269-279.	0.8	1
84	Delayed dynamics in heterogeneous competition with product differentiation. Nonlinear Analysis: Real World Applications, 2010, 11, 601-611.	1.7	10
85	Water Distribution Scenarios in the Mexican Valley. Water Resources Management, 2010, 24, 2959-2970.	3.9	13
86	On the relation between Compromise Programming and Ordered Weighted Averaging operator. Information Sciences, 2010, 180, 2239-2248.	6.9	21
87	CARTELISING GROUPS IN DYNAMIC HYPERBOLIC OLIGOPOLY WITH ANTITRUST THRESHOLD. Australian Economic Papers, 2010, 49, 289-300.	2.2	4
88	NONLINEAR DUOPOLY GAMES WITH ADVERTISEMENT REVISITED. International Game Theory Review, 2010, 12, 363-384.	0.5	1
89	Dynamic oligopoly with partial cooperation and antitrust threshold. Journal of Economic Behavior and Organization, 2010, 73, 259-272.	2.0	7
90	Continuous Hicksian trade cycle model with consumption and investment time delays. Journal of Economic Behavior and Organization, 2010, 75, 95-114.	2.0	11

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91	Nonlinear Oligopolies. , 2010, , .		121
92	Delay Differential Nonlinear Economic Models. , 2010, , 195-214.		6
93	Game Theory Based Network Security. Journal of Information Security, 2010, 01, 41-44.	0.8	30
94	Modified and Extended Oligopolies. , 2010, , 141-206.		0
95	Oligopolies with Misspecified and Uncertain Price Functions, and Learning. , 2010, , 207-270.		0
96	A game theory based risk and impact analysis method for Intrusion Defense Systems. , 2009, , .		12
97	Stochastic-fuzzy multi criteria decision making for robust water resources management. Stochastic Environmental Research and Risk Assessment, 2009, 23, 329-339.	4.0	56
98	Comparison of dynamic system modeling methods. Systems Engineering, 2009, 12, 183-200.	2.7	16
99	Revising the OWA operator for multi criteria decision making problems under uncertainty. European Journal of Operational Research, 2009, 198, 259-265.	5.7	43
100	A systematic approach of multi-person games. International Journal of Internet and Enterprise Management, 2009, 6, 85.	0.1	0
101	A fuzzy-stochastic OWA model for robust multi-criteria decision making. Fuzzy Optimization and Decision Making, 2008, 7, 1-15.	5.5	57
102	An -person battle of sexes game. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3669-3677.	2.6	17
103	-person Battle of sexes games—a simulation study. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3678-3688.	2.6	7
104	N-firm oligopolies with production adjustment costs: Best responses and equilibrium. Journal of Economic Behavior and Organization, 2008, 68, 87-99.	2.0	11
105	A Dynamic Model and Simulation of Industrial Clusters. , 2008, , .		1
106	CARTELIZING GROUPS IN DYNAMIC LINEAR OLIGOPOLY WITH ANTITRUST THRESHOLD. International Game Theory Review, 2008, 10, 399-419.	0.5	9
107	Learning the demand function in a repeated Cournot oligopoly game. International Journal of Systems Science, 2008, 39, 403-419.	5.5	21
108	Obtaining robust decisions under uncertainty by sensitivity analysis on OWA operator. , 2007, , .		2

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109	Multiobjective Analysis of a Public Wellfield Using Artificial Neural Networks. Ground Water, 2007, 45, 53-61.	1.3	23
110	A Hybrid Artificial Neural Network-Numerical Model for Ground Water Problems. Ground Water, 2007, 45, 590-600.	1.3	30
111	Delayed nonlinear cournot and bertrand dynamics with product differentiation. Nonlinear Dynamics, Psychology, and Life Sciences, 2007, 11, 367-95.	0.2	1
112	Petroleum spreads and the term structure of futures prices. Applied Economics, 2006, 38, 1917-1929.	2.2	4
113	Dynamic oligopolies with market saturation. Chaos, Solitons and Fractals, 2006, 29, 723-738.	5.1	4
114	CHANGES IN DEMAND FUNCTION IN COURNOT OLIGOPOLY. Pacific Economic Review, 2005, 10, 371-378.	1.4	3
115	A neural network model for predicting aquifer water level elevations. Ground Water, 2005, 43, 231-241.	1.3	158
116	Predicting Conductance Due to Upconing Using Neural Networks. Ground Water, 2005, 43, 827-836.	1.3	19
117	Expectation-Stock Dynamics in Multi-Agent Fisheries. Annals of Operations Research, 2005, 137, 299-329.	4.1	26
118	On the stability of price-adjusting oligopolies with incomplete information. International Journal of Systems Science, 2005, 36, 501-507.	5.5	2
119	CONFLICT BETWEEN WATER SUPPLY AND ENVIRONMENTAL HEALTH RISK: A COMPUTATIONAL NEURAL NETWORK APPROACH. International Game Theory Review, 2004, 06, 475-492.	0.5	8
120	A GAME THEORETICAL MODEL OF INTERNATIONAL FISHING WITH TIME DELAY. International Game Theory Review, 2004, 06, 391-415.	0.5	0
121	Dynamic oligopolies without full information and with continuously distributed time lags. Journal of Economic Behavior and Organization, 2004, 54, 495-511.	2.0	20
122	Application of Artificial Neural Networks to Complex Groundwater Management Problems. Natural Resources Research, 2003, 12, 303-320.	4.7	50
123	On the attractivity of a class of homogeneous dynamic economic systems. Nonlinear Analysis: Theory, Methods & Applications, 2003, 52, 1617-1636.	1.1	5
124	Bounded continuously distributed delays in dynamic oligopolies. Chaos, Solitons and Fractals, 2003, 18, 977-993.	5.1	10
125	Artificial Neural Network Approach for Predicting Transient Water Levels in a Multilayered Groundwater System under Variable State, Pumping, and Climate Conditions. Journal of Hydrologic Engineering - ASCE, 2003, 8, 348-360.	1.9	126
126	The Interaction of Uncertainty and Information Lags in the Cournot Oligopoly Model. , 2002, , 233-263.		3

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127	Entry and Merger in Commercial Fishing with Multiple Markets. Journal of Economics/ Zeitschrift Fur Nationalokonomie, 2002, 76, 247-259.	0.7	4
128	The area monotonic solution in dynamic negotiations. Applied Economics Letters, 2001, 8, 599-600.	1.8	0
129	Performance optimization of binary weighted current-steering D/A converters. Applied Mathematics and Computation, 2001, 119, 339-347.	2.2	0
130	Notes on the stability of dynamic economic systems. Applied Mathematics and Computation, 2000, 108, 85-89.	2.2	4
131	A note on the stability of a Cournotâ€"Nash equilibrium: the multiproduct case with adaptive expectations. Journal of Mathematical Economics, 2000, 33, 101-107.	0.8	13
132	THE STABILITY OF DYNAMIC RENT-SEEKING GAMES. International Game Theory Review, 1999, 01, 87-102.	0.5	5
133	An elementary result in the stability theory of time-invariant nonlinear discrete dynamical systems. Applied Mathematics and Computation, 1999, 102, 35-49.	2.2	9
134	A new Characterization of the non-symmetric Nash solution. Applied Mathematics and Computation, 1999, 106, 63-68.	2.2	2
135	The Theory of Oligopoly with Multi-Product Firms. , 1999, , .		76
136	Conflict resolution in fuzzy environment. Korean Journal of Computational and Applied Mathematics, 1998, 5, 51-64.	0.2	0
137	A globally convergent algorithm for solving special utilization equations. Applied Mathematics and Computation, 1998, 90, 53-60.	2.2	0
138	Bargaining with offer dependent break-down probabilities. Applied Mathematics and Computation, 1998, 90, 117-127.	2.2	4
139	A stochastic bargaining process and solution concept in the discrete case. Applied Mathematics and Computation, 1998, 92, 219-227.	2.2	0
140	On the Existence and Uniqueness of Pure Nash Equilibrium in Rent-Seeking Games. Games and Economic Behavior, 1997, 18, 135-140.	0.8	233
141	The alternating offer bargaining method under uncertainty. Applied Mathematics and Computation, 1996, 76, 133-141.	2.2	4
142	Dynamic Cournot oligopolies with production adjustment costs. Journal of Mathematical Economics, 1995, 24, 95-101.	0.8	16
143	On the convergence of modified contractions. Journal of Computational and Applied Mathematics, 1994, 55, 183-189.	2.0	4
144	A special matrix equation and its application in Microelectronics. Applied Mathematics and Computation, 1994, 64, 115-119.	2.2	11

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145	Learning in a dynamic producer–consumer market. Applied Mathematics and Computation, 1994, 62, 223-233.	2.2	0
146	On the controllability of discrete dynamic oligopolies under adaptive expectations. Applied Mathematics and Computation, 1993, 56, 49-57.	2.2	3
147	On the monotone convergence of general Newton-like methods. Bulletin of the Australian Mathematical Society, 1992, 45, 489-502.	0.5	10
148	On the monotone convergence of algorithmic models. Applied Mathematics and Computation, 1992, 48, 167-176.	2.2	2
149	A general model and convergence results for determining vehicle utilization in emergency systems. Stochastic Models, 1991, 7, 137-160.	0.3	5
150	On time dependent multistep dynamic processes. Bulletin of the Australian Mathematical Society, 1991, 43, 51-61.	0.5	0
151	Global asymptotical stability of dynamic systems with modified contractions. Applied Mathematics and Computation, 1991, 43, 237-240.	2.2	1
152	Methods for Solving Nonlinear Equations Used in Evaluating Emergency Vehicle Busy Probabilities. Operations Research, 1991, 39, 903-916.	1.9	33
153	Dynamic oligopoly: models with incomplete information. Applied Mathematics and Computation, 1990, 38, 161-177.	2.2	5
154	Comparison theorems for algorithmic models. Applied Mathematics and Computation, 1990, 40, 179-185.	2.2	0
155	The Theory of Oligopoly with Multi-Product Firms. Lecture Notes in Economics and Mathematical Systems, 1990, , .	0.3	90
156	On non-negative solvability of nonlinear input–output systems. Economics Letters, 1989, 30, 319-321.	1.9	3
157	A linear oligopoly model with adaptive expectations: Stability reconsidered. Journal of Economics/Zeitschrift Fur Nationalokonomie, 1988, 48, 79-82.	0.7	43
158	A note on global asymptotic stability of non-linear difference equations. Economics Letters, 1988, 26, 349-352.	1.9	3
159	On a nonlinear input-output system. Mathematical Social Sciences, 1987, 13, 277-281.	0.5	6
160	Reliability Estimation of Underground Water Control Systems under Natural and Sample Uncertainty. , 1987, , 423-441.		1
161	Dynamic multiobjective optimization: A framework with application to regional water and mining management. European Journal of Operational Research, 1986, 24, 305-317.	5.7	13
162	Multiobjective management of mining under water hazard by game theory. European Journal of Operational Research, 1984, 15, 251-258.	5.7	23

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163	A Multiobjective Observation Network Design Procedure and its Application in Hydrology and Mining. Lecture Notes in Economics and Mathematical Systems, 1984, , 210-217.	0.3	0
164	Multiobjective observation network design for regionalized variables. International Journal of Mining Engineering, 1983, 1, 331-342.	0.2	28
165	Optimal observation network in geostatistics and underground hydrology. Applied Mathematical Modelling, 1983, 7, 25-32.	4.2	8
166	Bayesian analysis of underground flooding. Water Resources Research, 1982, 18, 1110-1116.	4.2	12
167	Stochastic forecasting of mine water inrushes. Advances in Water Resources, 1980, 3, 3-8.	3.8	6
168	MINING, DEWATERING AND ENVIRONMENTAL EFFECTS: A MULTIOBJECTIVE APPROACH. , 1979, , 82-94.		0
169	Optimal sequencing for a multipurpose water supply system. Advances in Water Resources, 1978, 1, 275-284.	3.8	4
170	Principles and Procedures of Numerical Analysis. , 1978, , .		84
171	RESERVOIR SEDIMENTATION UNDER UNCERTAINTY: ANALYTIC APPROACH *VERSUS* SIMULATION / Sédimentation des réservoirs en cas de l'incertitude: méthode analytique contre la méthode par simulation. Hydrological Sciences Bulletin Des Sciences Hydrologiques, 1977, 22, 545-553.	0.2	4
172	Bayes design of a reservoir under random sediment yield. Water Resources Research, 1977, 13, 713-719.	4.2	24
173	Economic uncertainties in water resources project design. Water Resources Research, 1976, 12, 573-580.	4.2	9
174	Induced safety algorithm for hydrologic design under uncertainty. Water Resources Research, 1974, 10, 155-161.	4.2	4
175	Delay dynamics in nonlinear monopoly with gradient adjustment. Decisions in Economics and Finance, 0, , 1.	1.8	1
176	Evolutionary Competition in a Mixed Market with Socially Concerned Firms. SSRN Electronic Journal, 0, , .	0.4	4