

Graciela Chichilnisky

List of Publications by Year in descending order

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142
papers

3,290
citations

218677

26
h-index

189892

50
g-index

147
all docs

147
docs citations

147
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	The Topology of Quantum Theory and Social Choice. Quantum Reports, 2022, 4, 201-220.	1.3	0
2	Introduction to the Handbook on the Economics of Climate Change. , 2020, , .		1
3	Fundamental utilitarianism and intergenerational equity with extinction discounting. Social Choice and Welfare, 2020, 54, 397-427.	0.8	10
4	CLIMATE POLICY WITHOUT INTERTEMPORAL DICTATORSHIP: CHICHILNISKY CRITERION VERSUS CLASSICAL UTILITARIANISM IN DICE. Climate Change Economics, 2018, 09, 1850002.	5.0	3
5	The Topology of Greed and Fear. , 2016, , 240-256.		0
6	The Foundations of Uncertainty with Black Swans. Studies in Economic Theory, 2016, , 117-128.	0.0	0
7	Exploring the Role of Emotions in Decisions Involving Catastrophic Risks: Lessons from a Double Investigation. Studies in Economic Theory, 2016, , 553-575.	0.0	1
8	The Economics of the Global Environmentâ€”Catastrophic Risks in Theory and Practice. Studies in Economic Theory, 2016, , 1-14.	0.0	1
9	The Topology of Change Foundations of Probability with Black Swans Dedicated to the Memory of Jerrold Marsden. Studies in Economic Theory, 2016, , 129-146.	0.0	0
10	Valuing life: Experimental evidence using sensitivity to rare events. Ecological Economics, 2013, 85, 198-205.	5.7	12
11	Short Sales and Financial Innovation. , 2012, , 3-13.		1
12	Sustainable markets with short sales. Economic Theory, 2012, 49, 293-307.	0.9	26
13	Economic theory and the global environment. Economic Theory, 2012, 49, 217-225.	0.9	13
14	What is sustainability?. International Journal of Sustainable Economy, 2011, 3, 125.	0.4	20
15	Sustainable development: equal treatment of the present and the future?. International Journal of Green Economics, 2010, 4, 346.	0.8	4
16	The foundations of statistics with black swans. Mathematical Social Sciences, 2010, 59, 184-192.	0.5	32
17	The Foundations of Probability with Black Swans. Journal of Probability and Statistics, 2010, 2010, 1-11.	0.7	11
18	Asteroids: Assessing Catastrophic Risks. Journal of Probability and Statistics, 2010, 2010, 1-15.	0.7	15

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19	Avoiding Extinction: Equal Treatment of the Present and the Future. Economics, 2009, 3, .	0.6	15
20	The Limits of Econometrics: Nonparametric Estimation in Hilbert Spaces. SSRN Electronic Journal, 2009, , .	0.4	3
21	The Costs and Benefits of Benefit-Cost Analysis. SSRN Electronic Journal, 2009, , .	0.4	2
22	Energy Security, Economic Development and Global Warming: Addressing Short and Long Term Challenges. SSRN Electronic Journal, 2009, , .	0.4	0
23	The influence of fear in decisions: Experimental evidence. Journal of Risk and Uncertainty, 2009, 39, 271-298.	1.5	34
24	The topology of fear. Journal of Mathematical Economics, 2009, 45, 807-816.	0.8	56
25	THE LIMITS OF ECONOMETRICS: NONPARAMETRIC ESTIMATION IN HILBERT SPACES. Econometric Theory, 2009, 25, 1070-1086.	0.7	13
26	Avoiding extinction: the future of economics. International Journal of Green Economics, 2009, 3, 1.	0.8	2
27	Catastrophic risks. International Journal of Green Economics, 2009, 3, 130.	0.8	8
28	Global Warming and Carbon-Negative Technology: Prospects for a Lower-Cost Route to a Lower-Risk Atmosphere. Energy and Environment, 2009, 20, 973-984.	4.6	34
29	General Equilibrium with Endogenous Uncertainty and Default. SSRN Electronic Journal, 2006, , .	0.4	5
30	General equilibrium with endogenous uncertainty and default. Journal of Mathematical Economics, 2006, 42, 499-524.	0.8	24
31	Volatility and Job Creation in the Knowledge Economy. , 2005, , 45-74.		3
32	Volatility in the knowledge economy. Economic Theory, 2004, 24, 531-547.	0.9	9
33	North-South Trade and the Global Environment. , 2001, , 95-118.		0
34	An axiomatic approach to choice under uncertainty with catastrophic risks. Resources and Energy Economics, 2000, 22, 221-231.	2.5	108
35	What is Sustainable Development?. ZEW Economic Studies, 1999, , 42-82.	0.1	3
36	Markets for Tradeable CO2 Emission Quotas: Principles and Practice. Economy & Environment, 1999, , 3-32.	0.3	5

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37	Economic returns from the biosphere. Nature, 1998, 391, 629-630.	27.8	305
38	Topology and Invertible Maps. Advances in Applied Mathematics, 1998, 21, 113-123.	0.7	9
39	A unified treatment of finite and infinite economies: limited arbitrage is necessary and sufficient for the existence of equilibrium and the core. Economic Theory, 1998, 12, 163-176.	0.9	9
40	Smooth infinite economies. Journal of Mathematical Economics, 1998, 29, 27-42.	0.8	19
41	The knowledge revolution. Journal of International Trade and Economic Development, 1998, 7, 39-54.	2.3	18
42	A Unified Treatment of Finite and Infinite Economies: Limited Arbitrage is Necessary and Sufficient for the Existence of Equilibrium and the Core. SSRN Electronic Journal, 1998, , .	0.4	0
43	Sustainable Use of Renewable Resources. , 1998, , 49-76.		19
44	North-South Trade and the Dynamics of the Environment. , 1998, , 77-107.		0
45	The costs and benefits of benefit-cost analysis. Environment and Development Economics, 1997, 2, 195-221.	1.5	17
46	What Is Sustainable Development?. Land Economics, 1997, 73, 467.	0.9	183
47	What is Sustainable Development. SSRN Electronic Journal, 1997, , .	0.4	3
48	Market Arbitrage, Social Choice and the Core. SSRN Electronic Journal, 1997, , .	0.4	1
49	Limited arbitrage is necessary and sufficient for the existence of an equilibrium. Journal of Mathematical Economics, 1997, 28, 470-479.	0.8	9
50	Market arbitrage, social choice and the core. Social Choice and Welfare, 1997, 14, 161-198.	0.8	13
51	Social choice with infinite populations: construction of a rule and impossibility results. Social Choice and Welfare, 1997, 14, 303-318.	0.8	34
52	A topological invariant for competitive markets. Journal of Mathematical Economics, 1997, 28, 445-469.	0.8	18
53	A Unified Perspective on Resource Allocation: Limited Arbitrage is Necessary and Sufficient for the Existence of a Competitive Equilibrium, the Core and Social Choice. , 1997, , 121-174.		11
54	Market arbitrage, social choice and the core. , 1997, , 15-52.		4

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55	Trade Regimes and Gatt: Resource Intensive vs. Knowledge Intensive Growth. , 1997, , 63-97.		4
56	Social choice with infinite populations: construction of a rule and impossibility results. , 1997, , 157-172.		3
57	The economic value of the Earth's resources. Trends in Ecology and Evolution, 1996, 11, 135-140.	8.7	24
58	Limited arbitrage in necessary and sufficient for the non-emptiness of the core. Economics Letters, 1996, 52, 177-180.	1.9	8
59	An Axiomatic Approach to Sustainable Development. SSRN Electronic Journal, 1996, , .	0.4	13
60	Markets and Games: A Simple Equivalence among the Core, Equilibrium and Limited Arbitrage. SSRN Electronic Journal, 1996, , .	0.4	1
61	Individual Risk and Mutual Insurance. Econometrica, 1996, 64, 333.	4.2	63
62	On the existence and the structure of the pseudo-equilibrium manifold. Journal of Mathematical Economics, 1996, 26, 171-186.	0.8	11
63	Markets with endogenous uncertainty theory and policy. Theory and Decision, 1996, 41, 99-131.	1.0	20
64	Actions of symmetry groups. Social Choice and Welfare, 1996, 13, 357-364.	0.8	7
65	An axiomatic approach to sustainable development. Social Choice and Welfare, 1996, 13, 231-257.	0.8	408
66	MARKETS AND GAMES: A SIMPLE EQUIVALENCE AMONG THE CORE, EQUILIBRIUM AND LIMITED ARBITRAGE. Metroeconomica, 1996, 47, 266-280.	1.0	20
67	Actions of symmetry groups. Social Choice and Welfare, 1996, 13, 357-364.	0.8	3
68	No block to trade. Public Policy Research, 1995, 2, 186-192.	0.2	0
69	Limited arbitrage is necessary and sufficient for the existence of a competitive equilibrium with or without short sales. Economic Theory, 1995, 5, 79-108.	0.9	53
70	Existence of an optimal growth path with endogenous technical change. Economics Letters, 1995, 48, 433-439.	1.9	10
71	The Green Golden Rule. Economics Letters, 1995, 49, 175-179.	1.9	104
72	Topological Aggregation of Preferences: The Case of a Continuum of Agents. SSRN Electronic Journal, 1994, , .	0.4	1

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73	Who should abate carbon emissions?. Economics Letters, 1994, 44, 443-449.	1.9	140
74	Property Rights and the Dynamics of Renewable Resources in North-South Trade. , 1994, , 15-54.		3
75	The cone condition, properness, and extremely desirable commodities. Economic Theory, 1993, 3, 177-182.	0.9	30
76	Competitive Equilibrium in Sobolev Spaces without Bounds on Short Sales. Journal of Economic Theory, 1993, 59, 364-384.	1.1	49
77	North-South trade and the dynamics of renewable resources. Structural Change and Economic Dynamics, 1993, 4, 219-248.	4.5	70
78	Global Environmental Risks. Journal of Economic Perspectives, 1993, 7, 65-86.	5.9	128
79	Topology and Economics: The Contribution of Stephen Smale. , 1993, , 147-161.		5
80	Social choice and the closed convergence topology. Social Choice and Welfare, 1991, 8, 307.	0.8	12
81	ON THE MATHEMATICAL FOUNDATIONS OF POLITICAL ECONOMY*. Contributions To Political Economy, 1990, 9, 25-41.	0.2	7
82	General equilibrium and social choice in economies with increasing returns. Annals of Operations Research, 1990, 23, 289-297.	4.1	3
83	Global Models and North-South Relations. International Political Science Review, 1990, 11, 177-185.	2.8	1
84	The walrasian mechanism from equal division is not monotonic with respect to variations in the number of consumers. Journal of Public Economics, 1987, 32, 119-124.	4.3	28
85	Necesidades básicas, recursos naturales y crecimiento en el contexto de las relaciones Norte-Sur: respuesta a un comentario. Desarrollo Económico, 1985, 25, 128.	0.1	0
86	Patterns of power: bargaining and incentives in two-person games. Journal of Public Economics, 1984, 23, 333-349.	4.3	15
87	North-South trade and exported-led policies. Journal of Development Economics, 1984, 15, 131-160.	4.5	10
88	Terms of trade, domestic distribution and export-led growth. Journal of Development Economics, 1984, 15, 177-184.	4.5	5
89	The transfer problem in stable markets. Journal of Development Economics, 1984, 16, 319-320.	4.5	3
90	Community preferences and social choice. Journal of Mathematical Economics, 1983, 12, 33-61.	0.8	10

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91	The transfer problem with three agents once again. Journal of Development Economics, 1983, 13, 237-247.	4.5	32
92	Necessary and sufficient conditions for a resolution of the social choice paradox. Journal of Economic Theory, 1983, 31, 68-87.	1.1	109
93	Social Aggregation Rules and Continuity. Quarterly Journal of Economics, 1982, 97, 337.	8.6	80
94	The topological equivalence of the pareto condition and the existence of a dictator. Journal of Mathematical Economics, 1982, 9, 223-233.	0.8	59
95	Structural instability of decisive majority rules. Journal of Mathematical Economics, 1982, 9, 207-221.	0.8	22
96	Terms of trade and domestic distribution. Journal of Development Economics, 1981, 8, 163-192.	4.5	52
97	Existence of optimal savings policies with imperfect information and non-convexities. Journal of Mathematical Economics, 1981, 8, 1-14.	0.8	9
98	Existence and Characterization of Optimal Growth Paths Including Models with Non-Convexities in Utilities and Technologies. Review of Economic Studies, 1981, 48, 51.	5.4	19
99	Social choice and the topology of spaces of preferences. Advances in Mathematics, 1980, 37, 165-176.	1.1	115
100	Basic goods, the effects of commodity transfers and the international economic order. Journal of Development Economics, 1980, 7, 505-519.	4.5	77
101	On fixed point theorems and social choice paradoxes. Economics Letters, 1979, 3, 347-351.	1.9	39
102	A model of technology, domestic distribution, and North-South relations. Technological Forecasting and Social Change, 1979, 13, 297-320.	11.6	6
103	Spaces of economic agents. Journal of Economic Theory, 1977, 15, 160-173.	1.1	17
104	Nonlinear functional analysis and optimal economic growth. Journal of Mathematical Analysis and Applications, 1977, 61, 504-520.	1.0	43
105	Economic development and efficiency criteria in the satisfaction of basic needs. Applied Mathematical Modelling, 1977, 1, 290-298.	4.2	48
106	A general equilibrium theory of North-South trade. , 0, , 3-56.		9
107	Topological Complexity of Manifolds of Preferences. SSRN Electronic Journal, 0, , .	0.4	3
108	Development and Global Finance: The Case for an International Bank for Environmental Settlements. SSRN Electronic Journal, 0, , .	0.4	15

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109	The Economics of Global Environmental Risks. SSRN Electronic Journal, 0, , .	0.4	5
110	Existence and Optimality of a General Equilibrium with Endogenous Uncertainty. SSRN Electronic Journal, 0, , .	0.4	4
111	Catastrophic Risks: The Need for New Tools, Financial Instruments and Institutions. SSRN Electronic Journal, 0, , .	0.4	11
112	An Axiomatic Approach to Choice Under Uncertainty with Catastrophic Risks. SSRN Electronic Journal, 0, , .	0.4	7
113	Sex and the Ivy League. SSRN Electronic Journal, 0, , .	0.4	1
114	Sustainable Use of Renewable Resources. SSRN Electronic Journal, 0, , .	0.4	2
115	Avoiding Extinction: Equal Treatment of the Present and the Future. SSRN Electronic Journal, 0, , .	0.4	6
116	Asteroids: Assessing Catastrophic Risks. SSRN Electronic Journal, 0, , .	0.4	0
117	The Topology of Fear. SSRN Electronic Journal, 0, , .	0.4	3
118	The Foundations of Statistics with Black Swans. SSRN Electronic Journal, 0, , .	0.4	0
119	Catastrophic Risks. SSRN Electronic Journal, 0, , .	0.4	0
120	The Influence of Fear in Decisions: Experimental Evidence. SSRN Electronic Journal, 0, , .	0.4	0
121	General Equilibrium with Uncertainty: The Work of Kenneth Arrow. SSRN Electronic Journal, 0, , .	0.4	2
122	An Extension of Comparative Statics to a General Class of Optimal Choice Models. SSRN Electronic Journal, 0, , .	0.4	0
123	Manipulations and Repeated Games in Futures Markets. SSRN Electronic Journal, 0, , .	0.4	0
124	International Trade in Resources: A General Equilibrium Analysis. SSRN Electronic Journal, 0, , .	0.4	3
125	A General Equilibrium Theory of North-South Trade. SSRN Electronic Journal, 0, , .	0.4	2
126	North-South Trade and Basic Needs. SSRN Electronic Journal, 0, , .	0.4	15

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127	Intersecting Families on Sets and the Topology of Cones in Economics. SSRN Electronic Journal, 0, , .	0.4	5
128	Sustainable Growth and the Green Golden Rule. SSRN Electronic Journal, 0, , .	0.4	3
129	Limited Arbitrage is Necessary and Sufficient for the Non-Emptiness of the Core. SSRN Electronic Journal, 0, , .	0.4	0
130	Ecology and the Knowledge Revolution. SSRN Electronic Journal, 0, , .	0.4	0
131	Limited Arbitrage is Necessary and Sufficient for the Existence of an Equilibrium. SSRN Electronic Journal, 0, , .	0.4	2
132	Social Choice with Infinite Populations. SSRN Electronic Journal, 0, , .	0.4	7
133	The Economics of Environmental Risks. SSRN Electronic Journal, 0, , .	0.4	0
134	North South Trade and the Dynamics of the Environment,. SSRN Electronic Journal, 0, , .	0.4	0
135	Sustainable Development and North-South Trade. SSRN Electronic Journal, 0, , .	0.4	2
136	Sustainable Use of Renewable Resources. SSRN Electronic Journal, 0, , .	0.4	4
137	The Knowledge Revolution and Its Impact on Consumption and Resource Use. SSRN Electronic Journal, 0, , .	0.4	2
138	Topology and Invertible Maps. SSRN Electronic Journal, 0, , .	0.4	1
139	Smooth Infinite Economies. SSRN Electronic Journal, 0, , .	0.4	3
140	Intergenerational Choice: A Paradox and a Solution. SSRN Electronic Journal, 0, , .	0.4	3
141	The Global Environment and the Knowledge Revolution. SSRN Electronic Journal, 0, , .	0.4	1
142	Social Choice and Game Theory: Recent Results with a Topological Approach. SSRN Electronic Journal, 0, , .	0.4	4