Joel E Cohen

List of Publications by Year
in descending order

225	11,902	28274	30922
papers	citations	55 h-index	102 g-index

233	233	233	9560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Food web patterns and their consequences. Nature, 1991, 350, 669-674.	27.8	666
2	Human Population: The Next Half Century. Science, 2003, 302, 1172-1175.	12.6	665
3	Body Sizes of Animal Predators and Animal Prey in Food Webs. Journal of Animal Ecology, 1993, 62, 67.	2.8	600
4	CONSUMERâ€“RESOURCE BODY-SIZE RELATIONSHIPS IN NATURAL FOOD WEBS. Ecology, 2006, 87, 2411-2417.	3.2	568
5	Interaction strengths in food webs: issues and opportunities. Journal of Animal Ecology, 2004, 73, 585-598.	2.8	557
6	Ecological community description using the food web, species abundance, and body size. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1781-1786.	7.1	478
7	Community Food Webs. Biomathematics, 1990, , .	0.7	350
8	Community food webs have scale-invariant structure. Nature, 1984, 307, 264-267.	27.8	264
9	Oviposition habitat selection in response to risk of predation in temporary pools: mode of detection and consistency across experimental venue. Oecologia, 2004, 138, 300-305.	2.0	226
10	Sustainable vector control and management of Chagas disease in the Gran Chaco, Argentina. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16194-16199.	7.1	219
11	Modeling Household Transmission of American Trypanosomiasis. Science, 2001, 293, 694-698.	12.6	216
12	Mathematics Is Biology's Next Microscope, Only Better; Biology Is Mathematics' Next Physics, Only Better. PLoS Biology, 2004, 2, e439.	5.6	203
13	Nonnegative ranks, decompositions, and factorizations of nonnegative matrices. Linear Algebra and Its Applications, 1993, 190, 149-168.	0.9	176
14	Altitude is a phenotypic modifier in hereditary paraganglioma typeï¿½1: evidence for an oxygen-sensing defect. Human Genetics, 2003, 113, 228-237.	3.8	176
15	Ergodic theorems in demography. Bulletin of the American Mathematical Society, 1979, 1, 275-295.	1.5	151
16	Food Webs, Body Size, and Species Abundance in Ecological Community Description. Advances in Ecological Research, 2005, , 1-84.	2.7	142
17	OVIPOSITION HABITAT SELECTION BY MOSQUITOES (CULISETA LONGIAREOLATA) AND CONSEQUENCES FOR POPULATION SIZE. Ecology, 2002, 83, 669-679.	3.2	123
18	Paradoxical behaviour of mechanical and electrical networks. Nature, 1991, 352, 699-701.	27.8	122

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19	Unexpected dominance of high frequencies in chaotic nonlinear population models. Nature, 1995, 378, 610-612.	27.8	121
20	Determinants of International Migration Flows to and from Industrialized Countries: A Panel Data Approach beyond Gravity. International Migration Review, 2010, 44, 899-932.	2.1	117
21	A paradox of congestion in a queuing network. Journal of Applied Probability, 1990, 27, 730-734.	0.7	116
22	Confidence intervals for demographic projections based on products of random matrices. Theoretical Population Biology, 1985, 27, 120-153.	1.1	109
23	Temporal Variation in Food Web Structure: 16 Empirical Cases. Ecological Monographs, 1991, 61, 267-298.	5.4	109
24	Three allometric relations of population density to body mass: theoretical integration and empirical tests in 149 food webs. Ecology Letters, 2008, 11, 1216-1228.	6.4	106
25	BODY SIZES OF CONSUMERS AND THEIR RESOURCES. Ecology, 2005, 86, 2545-2545.	3.2	105
26	Bacterial traits, organism mass, and numerical abundance in the detrital soil food web of Dutch agricultural grasslands. Ecology Letters, 2004, 8, 80-90.	6.4	103
27	The Stability of Large Random Matrices and Their Products. Annals of Probability, 1984, 12, 283.	1.8	102
28	Congenital Transmission ofTrypanosoma cruziInfection in Argentina. Emerging Infectious Diseases, 2003, 9, 29-32.	4.3	101
29	Ratio of prey to predators in community food webs. Nature, 1977, 270, 165-167.	27.8	100
30	A Longitudinal Study of Human Malaria in the West African Savanna in the Absence of Control Measures: Relationships between Different Plasmodium Species, in Particular P. Falciparum and P. Malariae *. American Journal of Tropical Medicine and Hygiene, 1980, 29, 725-737.	1.4	99
31	Modeling the Population Dynamics of a Cuckoo-Host Association and the Evolution of Host Defenses. American Naturalist, 1993, 142, 819-839.	2.1	97
32	Random sampling of skewed distributions implies Taylorâ€™s power law of fluctuation scaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7749-7754.	7.1	97
33	Body sizes of hosts and parasitoids in individual feeding relationships. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 684-689.	7.1	92
34	Alternate Derivations of a Species-Abundance Relation. American Naturalist, 1968, 102, 165-172.	2.1	92
35	Disturbance, interspecific interaction and diversity in metapopulations. Biological Journal of the Linnean Society, 1991, 42, 193-218.	1.6	91
36	Population forecasts and confidence intervals for sweden: a comparison of model-based and empirical approaches. Demography, 1986, 23, 105-126.	2.5	85

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37	International migration beyond gravity: A statistical model for use in population projections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15269-15274.	7.1	85
38	More tornadoes in the most extreme U.S. tornado outbreaks. Science, 2016, 354, 1419-1423.	12.6	84
39	The role of the peridomiciliary area in the elimination of Triatoma infestans from rural Argentine communities. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 1997, 1, 273-279.	1.1	84
40	Community Area and Food-Chain Length: Theoretical Predictions. American Naturalist, 1991, 138, 1542-1554.	2.1	82
41	Ergodicity of Age Structure in Populations with Markovian Vital Rates, I: Countable States. Journal of the American Statistical Association, 1976, 71, 335-339.	3.1	78
42	Predatorâ€released hydrocarbons repel oviposition by a mosquito. Ecology Letters, 2010, 13, 1129-1138.	6.4	76
43	Comparative statics and stochastic dynamics of age-structured populations. Theoretical Population Biology, 1979, 16, 159-171.	1.1	75
44	The Distribution of the Chi-Squared Statistic under Clustered Sampling from Contingency Tables. Journal of the American Statistical Association, 1976, 71, 665-670.	3.1	74
45	Global Stability, Local Stability and Permanence in Model Food Webs. Journal of Theoretical Biology, 2001, 212, 223-235.	1.7	73
46	Red, white and blue: environmental variance spectra and coexistence in metapopulations. Journal of Theoretical Biology, 1995, 176, 301-316.	1.7	72
47	Coastal Hazards and the Global Distribution of Human Population. Environmental Geosciences, 2000, 7, 3-12.	0.6	69
48	Tornado outbreak variability follows Taylorâ€™s power law of fluctuation scaling and increases dramatically with severity. Nature Communications, 2016, 7, 10668.	12.8	65
49	A Markov Contingency-Table Model for Replicated Lotka-Volterra Systems Near Equilibrium. American Naturalist, 1970, 104, 547-560.	2.1	65
50	Sample and population exponents of generalized Taylorâ€™s law. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7755-7760.	7.1	64
51	Heterologous Immunity in Human Malaria. Quarterly Review of Biology, 1973, 48, 467-489.	0.1	63
52	H<scp>ow</scp> M<scp>any</scp> P<scp>eople</scp> C<scp>an the</scp> E<scp>arth</scp> S<scp>upport</scp>?. The Sciences, 1995, 35, 18-23.	0.1	62
53	Chapter 1 Allometry of Body Size and Abundance in 166 Food Webs. Advances in Ecological Research, 2009, , 1-44.	2.7	60
54	Dynamic Basis of Food Web Organization. Ecology, 1988, 69, 1655-1664.	3.2	59

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55	Food webs are more than the sum of their tritrophic parts. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22335-22340.	7.1	59
56	Allometric scaling of population variance with mean body size is predicted from Taylorâ€™s law and density-mass allometry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15829-15834.	7.1	59
57	Taylorâ€™s power law and the stability of crop yields. Field Crops Research, 2015, 183, 294-302.	5.1	58
58	Subadditivity, Generalized Products of Random Matrices and Operations Research. SIAM Review, 1988, 30, 69-86.	9.5	56
59	A Stochastic Age-Structured Population Model of Striped Bass (Morone saxatilis) in the Potomac River. Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 2170-2183.	1.4	55
60	Relative entropy under mappings by stochastic matrices. Linear Algebra and Its Applications, 1993, 179, 211-235.	0.9	54
61	Domestic Animal Hosts Strongly Influence Human-Feeding Rates of the Chagas Disease Vector Triatoma infestans in Argentina. PLoS Neglected Tropical Diseases, 2014, 8, e2894.	3.0	54
62	Human Population Grows Up. Scientific American, 2005, 293, 48-55.	1.0	53
63	Parasitism alters three power laws of scaling in a metazoan community: Taylorâ€™s law, density-mass allometry, and variance-mass allometry. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1791-1796.	7.1	52
64	Effects of chickens on the prevalence of infestation and population density of Triatoma infestans in rural houses of northâ€west Argentina. Medical and Veterinary Entomology, 1997, 11, 383-388.	1.5	51
65	Bilateral international migration flow estimates for 200 countries. Scientific Data, 2019, 6, 82.	5.3	51
66	Incidence of trypanosoma cruzi infection among children following domestic reinfestation after insecticide spraying in rural northwestern Argentina. American Journal of Tropical Medicine and Hygiene, 2005, 73, 95-103.	1.4	50
67	Food web dynamics of irrigated rice fields at five elevations in Luzon, Philippines. Bulletin of Entomological Research, 1996, 86, 451-466.	1.0	49
68	Childbearing impeded education more than education impeded childbearing among Norwegian women. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11830-11835.	7.1	49
69	Natural Primate Troops and a Stochastic Population Model. American Naturalist, 1969, 103, 455-477.	2.1	49
70	The size distributions of proteins, mRNA, and nuclear RNA. Journal of Molecular Evolution, 1980, 15, 37-57.	1.8	48
71	Power spectra reveal the influence of stochasticity on nonlinear population dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18860-18865.	7.1	47
72	Markov population processes as models of primate social and population dynamics. Theoretical Population Biology, 1972, 3, 119-134.	1.1	46

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73	Long-run growth rates of discrete multiplicative processes in Markovian environments. Journal of Mathematical Analysis and Applications, 1979, 69, 243-251.	1.0	46
74	Approaching consensus can be delicate when positions harden. Stochastic Processes and Their Applications, 1986, 22, 315-322.	0.9	46
75	Host-Feeding Patterns of Domiciliary Triatoma infestans (Hemiptera: Reduviidae) in Northwest Argentina: Seasonal and Instar Variation. Journal of Medical Entomology, 1996, 33, 15-26.	1.8	46
76	Population, Economics, Environment and Culture: An Introduction to Human Carrying Capacity. Journal of Applied Ecology, 1997, 34, 1325.	4.0	46
77	Estimating malaria incidence and recovery rates from panel surveys. Mathematical Biosciences, 1980, 49, 273-305.	1.9	45
78	Stochastic multiplicative population growth predicts and interprets Taylor's power law of fluctuation scaling. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122955.	2.6	44
79	Eigenvalue inequalities for products of matrix exponentials. Linear Algebra and Its Applications, 1982, 45, 55-95.	0.9	42
80	How to Measure Population Aging? The Answer Is Less than Obvious: A Review. Gerontology, 2019, 65, 136-144.	2.8	41
81	Key Source Habitats and Potential Dispersal of Triatoma infestans Populations in Northwestern Argentina: Implications for Vector Control. PLoS Neglected Tropical Diseases, 2014, 8, e3238.	3.0	38
82	Legal abortions, socioeconomic status, and measured intelligence in the United States. Social Biology, 1971, 18, 55-63.	0.5	37
83	Ergodicity of age structure in populations with Markovian vital rates, III: Finite-state moments and growth rate; an illustration. Advances in Applied Probability, 1977, 9, 462-475.	0.7	37
84	Derivatives of the spectral radius as a function of non-negative matrix elements. Mathematical Proceedings of the Cambridge Philosophical Society, 1978, 83, 183-190.	0.4	36
85	Estimating Relative Energy Fluxes Using the Food Web, Species Abundance, and Body Size. Advances in Ecological Research, 2005, 36, 137-182.	2.7	35
86	A stochastic theory of community food webs. VI. Heterogeneous alternatives to the cascade model. Theoretical Population Biology, 1990, 37, 55-90.	1.1	34
87	Trophic linksâ€™ length and slope in the Tuesday Lake food web with speciesâ€™ body mass and numerical abundance. Journal of Animal Ecology, 2004, 73, 852-866.	2.8	34
88	Taylor's Law holds in experimental bacterial populations but competition does not influence the slope. Biology Letters, 2012, 8, 316-319.	2.3	33
89	Random evolutions and the spectral radius of a non-negative matrix. Mathematical Proceedings of the Cambridge Philosophical Society, 1979, 86, 345-350.	0.4	32
90	Synchrony affects Taylorâ€™s law in theory and data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6788-6793.	7.1	32

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91	Oviposition habitat selection by Anopheles gambiae in response to chemical cues by Notonecta maculata. Journal of Vector Ecology, 2011, 36, 421-425.	1.0	31
92	Fallowing did not disrupt invertebrate fauna in Philippine low-pesticide irrigated rice fields. Journal of Applied Ecology, 2010, 47, 593-602.	4.0	30
93	A Stochastic Theory of Community Food Webs. V. Intervality and Triangulation in the Trophic-Niche Overlap Graph. American Naturalist, 1990, 135, 435-463.	2.1	29
94	Spectral mimicry: A method of synthesizing matching time series with different Fourier spectra. Circuits, Systems, and Signal Processing, 1999, 18, 431-442.	2.0	29
95	Make secondary education universal. Nature, 2008, 456, 572-573.	27.8	29
96	Stochastic population dynamics in a Markovian environment implies Taylorâ€™s power law of fluctuation scaling. Theoretical Population Biology, 2014, 93, 30-37.	1.1	29
97	Selective Host Mortality in a Catalytic Model Applied to Schistosomiasis. American Naturalist, 1973, 107, 199-212.	2.1	29
98	Maryland Striped Bass: Recruitment Declining below Replacement. Transactions of the American Fisheries Society, 1985, 114, 146-151.	1.4	28
99	Colour of environmental noise affects the nonlinear dynamics of cycling, stageâ€structured populations. Ecology Letters, 2008, 11, 820-830.	6.4	28
100	Taylorâ€™s power law of fluctuation scaling and the growth-rate theorem. Theoretical Population Biology, 2013, 88, 94-100.	1.1	28
101	Shorter Notes: Convexity of the Dominant Eigenvalue of an Essentially Nonnegative Matrix. Proceedings of the American Mathematical Society, 1981, 81, 657.	0.8	27
102	Ergodicity of age structure in populations with Markovian vital rates. II. General states. Advances in Applied Probability, 1977, 9, 18-37.	0.7	26
103	The control of foot formation in transplantation experiments with hydra viridis. Journal of Theoretical Biology, 1975, 50, 87-105.	1.7	24
104	The Cumulative Distance from an Observed to a Stable Age Structure. SIAM Journal on Applied Mathematics, 1979, 36, 169-175.	1.8	22
105	Spatial Re-Establishment Dynamics of Local Populations of Vectors of Chagas Disease. PLoS Neglected Tropical Diseases, 2009, 3, e490.	3.0	22
106	Modelling evolutionarily stable strategies in oviposition site selection, with varying risks of predation and intraspecific competition. Evolutionary Ecology, 2012, 26, 955-974.	1.2	22
107	Trophic levels in community food webs. Evolutionary Ecology, 1992, 6, 73-89.	1.2	21
108	Population dynamics, synchrony, and environmental quality of Hokkaido voles lead to temporal and spatial Taylor's laws. Ecology, 2016, 97, 3402-3413.	3.2	21

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109	Re-establishment of local populations of vectors of Chagas disease after insecticide spraying. Journal of Applied Ecology, 2006, 44, 220-227.	4.0	20
110	Bacterial microcosms obey Taylor's law: effects of abiotic and biotic stress and genetics on mean and variance of population density. Ecological Processes, 2012, 1, 5.	3.9	20
111	Threshold phenomena in random structures. Discrete Applied Mathematics, 1988, 19, 113-128.	0.9	19
112	Investing in the World Health Organization. Science, 1999, 284, 911-911.	12.6	19
113	Spectral inequalities for matrix exponentials. Linear Algebra and Its Applications, 1988, 111, 25-28.	0.9	18
114	Interspecific competition affects temperature stability in Daisyworld. Tellus, Series B: Chemical and Physical Meteorology, 2022, 52, 980.	1.6	18
115	Taylor's law and related allometric power laws in New Zealand mountain beech forests: the roles of space, time and environment. Oikos, 2016, 125, 1342-1357.	2.7	18
116	Longer Food Chains in Pelagic Ecosystems: Trophic Energetics of Animal Body Size and Metabolic Efficiency. American Naturalist, 2016, 188, 76-86.	2.1	17
117	Linking parasite populations in hosts to parasite populations in space through Taylor's law and the negative binomial distribution. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E47-E56.	7.1	17
118	The size and demographic composition of social groups of wild orang-utans. Animal Behaviour, 1975, 23, 543-550.	1.9	16
119	Contractive inhomogeneous products of non-negative matrices. Mathematical Proceedings of the Cambridge Philosophical Society, 1979, 86, 351-364.	0.4	16
120	Taylor's law and abrupt biotic change in a smoothly changing environment. Theoretical Ecology, 2014, 7, 77-86.	1.0	16
121	Temporal scale of environmental correlations affects ecological synchrony. Ecology Letters, 2018, 21, 1800-1811.	6.4	16
122	Population and climate change. Proceedings of the American Philosophical Society, 2010, 154, 158-82.	0.5	16
123	Random evolutions in discrete and continuous time. Stochastic Processes and Their Applications, 1979, 9, 245-251.	0.9	15
124	Disturbances allow coexistence of competing species. Journal of Mathematical Biology, 1994, 32, 663-676.	1.9	15
125	Chapter 2 Human and Environmental Factors Influence Soil Faunal Abundanceâ€“Mass Allometry and Structure. Advances in Ecological Research, 2009, , 45-85.	2.7	15
126	Markov's Inequality and Chebyshev's Inequality for Tail Probabilities: A Sharper Image. American Statistician, 2015, 69, 5-7.	1.6	15

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127	Chagas disease vector control and Taylor's law. PLoS Neglected Tropical Diseases, 2017, 11, e0006092.	3.0	15
128	Taylor's power law in human mortality. Demographic Research, 0, 33, 589-610.	3.0	14
129	When does a leaky compartment model appear to have no leaks?. Theoretical Population Biology, 1972, 3, 404-405.	1.1	13
130	Just proportions in food webs. Nature, 1989, 341, 104-105.	27.8	13
131	Gompertz, Makeham, and Siler models explain Taylor's law in human mortality data. Demographic Research, 0, 38, 773-842.	3.0	13
132	Spatial distribution of initiation sites for mammalian DNA replication: A statistical analysis. Journal of Molecular Biology, 1979, 128, 219-245.	4.2	12
133	Sets of nonnegative matrices with positive inhomogeneous products. Linear Algebra and Its Applications, 1982, 47, 185-192.	0.9	12
134	Pursuitâ€"Evasion games on graphs. Journal of Graph Theory, 1988, 12, 159-167.	0.9	12
135	Taylor's law and body size in exploited marine ecosystems. Ecology and Evolution, 2012, 2, 3168-3178.	1.9	12
136	Analyzing and interpreting spatial and temporal variability of the United States county population distributions using Taylor's law. PLoS ONE, 2019, 14, e0226096.	2.5	12
137	Every variance function, including Taylorâ€™s power law of fluctuation scaling, can be produced by any location-scale family of distributions with positive mean and variance. Theoretical Ecology, 2020, 13, 1-5.	1.0	12
138	Body size and hosts of Triatoma infestans populations affect the size of bloodmeal contents and female fecundity in rural northwestern Argentina. PLoS Neglected Tropical Diseases, 2017, 11, e0006097.	3.0	12
139	Life not lived due to disequilibrium in heterogeneous age-structured populations. Theoretical Population Biology, 1986, 29, 385-406.	1.1	11
140	Intraseasonal Dynamics and Dominant Sequences in H3N2 Influenza. PLoS ONE, 2010, 5, e8544.	2.5	11
141	Statistics of Primes (and Probably Twin Primes) Satisfy Taylor's Law from Ecology. American Statistician, 2016, 70, 399-404.	1.6	11
142	Host-Parasite Relations and Random Zero-Sum Games: The Stabilizing Effect of Strategy Diversification. American Naturalist, 1989, 133, 533-552.	2.1	11
143	Defining Risk Groups to Yellow Fever Vaccine-Associated Viscerotropic Disease in the Absence of Denominator Data. American Journal of Tropical Medicine and Hygiene, 2014, 90, 267-271.	1.4	10
144	Taylorâ€™s power law and fixed-precision sampling: application to abundance of fish sampled by gillnets in an African lake. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 87-100.	1.4	10

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145	Soil invertebrates, chemistry, weather, human management, and edaphic food webs at 135 sites in The Netherlands: SIZEWEB. Ecology, 2014, 95, 578-578.	3.2	9
146	Robustness of Taylor's law under spatial hierarchical groupings of forest tree samples. Population Ecology, 2015, 57, 93-103.	1.2	9
147	Environmental variability and density dependence in the temporal Taylorâ€™s law. Ecological Modelling, 2018, 387, 134-143.	2.5	9
148	Can Fitness be Aggregated?. American Naturalist, 1985, 125, 716-729.	2.1	9
149	The asymptotic probability that a random graph is a unit interval graph, indifference graph, or proper interval graph. Discrete Mathematics, 1982, 40, 21-24.	0.7	8
150	Evaluating multi-regional population projections with Taylorâ€™s law of meanâ€“variance scaling and its generalisation. Journal of Population Research, 2017, 34, 79-99.	1.1	8
151	Taylor's law, via ratios, for some distributions with infinite mean. Journal of Applied Probability, 2017, 54, 657-669.	0.7	8
152	SPECIES' AVERAGE BODY MASS AND NUMERICAL ABUNDANCE IN A COMMUNITY FOOD WEB. , 2005, , 137-156.		8
153	Interspecific competition affects temperature stability in Daisyworld. Tellus, Series B: Chemical and Physical Meteorology, 2000, 52, 980-984.	1.6	8
154	Heavy-tailed distributions, correlations, kurtosis and Taylorâ€™s Law of fluctuation scaling. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200610.	2.1	8
155	Should Population Projections Consider "Limiting Factors"--and If So, How?. Population and Development Review, 1998, 24, 118.	2.1	7
156	Population age and initial density in a patchy environment affect the occurrence of abrupt transitions in a birth-and-death model of Taylor's law. Ecological Modelling, 2014, 289, 59-65.	2.5	7
157	Sum of a Random Number of Correlated Random Variables that Depend on the Number of Summands. American Statistician, 2019, 73, 56-60.	1.6	7
158	Effects of reovirus infection on the spatial and temporal organization of DNA replication in L cells. Chromosoma, 1980, 79, 207-214.	2.2	6
159	Connectivity of finite anisotropic random graphs and directed graphs. Mathematical Proceedings of the Cambridge Philosophical Society, 1986, 99, 315-330.	0.4	6
160	Perturbation theory of completely mixed matrix games. Linear Algebra and Its Applications, 1986, 79, 153-162.	0.9	6
161	Stability of vertices in random boolean cellular automata. Random Structures and Algorithms, 1991, 2, 327-334.	1.1	6
162	The game-theoretic value and the spectral radius of a nonnegative matrix. Proceedings of the American Mathematical Society, 1985, 93, 205-205.	0.8	5

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163	Competition during colonization vs competition after colonization in disturbed environments: A metapopulation approach. Bulletin of Mathematical Biology, 1996, 58, 1187-1207.	1.9	5
164	Arithmetic-geometric means of positive matrices. Mathematical Proceedings of the Cambridge Philosophical Society, 1987, 101, 209-219.	0.4	4
165	Population System Control (Jian Song and Jingyuan Yu). SIAM Review, 1990, 32, 494-500.	9.5	4
166	Orthogonal cycle transforms of stochastic matrices. Circuits, Systems, and Signal Processing, 1997, 16, 363-374.	2.0	4
167	Mean and variance of population density and temporal Taylorâ€™s law in stochastic stage-structured density-dependent models of exploited fish populations. Theoretical Ecology, 2015, 8, 175-186.	1.0	4
168	Sequential analysis and design of fixed-precision sampling of Lake Kariba fishes using Taylorâ€™s power law. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 904-917.	1.4	4
169	Spatial and temporal autocorrelations affect Taylor's law for US county populations: Descriptive and predictive models. PLoS ONE, 2021, 16, e0245062.	2.5	4
170	Bilateral international migration flow estimates updated and refined by sex. Scientific Data, 2022, 9, 173.	5.3	4
171	Mathematical Models of Conception and Birth.. Journal of the American Statistical Association, 1974, 69, 1046.	3.1	3
172	DNA Fingerprinting: What (Really) are the Odds?. Chance, 1990, 3, 26-32.	0.2	3
173	Perturbation Theory of a Nonlinear Game of von Neumann. SIAM Journal on Matrix Analysis and Applications, 1991, 12, 592-596.	1.4	3
174	Marker Transport Through Ecosystem Energy Flow. Journal of Theoretical Biology, 1996, 179, 323-328.	1.7	3
175	Cauchy inequalities for the spectral radius of products of diagonal and nonnegative matrices. Proceedings of the American Mathematical Society, 2014, 142, 3665-3674.	0.8	3
176	Modeling distances between humans using Taylorâ€™s law and geometric probability. Mathematical Population Studies, 2017, 24, 197-218.	2.2	3
177	Beyond Population: Everyone Counts in Development. SSRN Electronic Journal, 0, , .	0.4	3
178	Taylorâ€™s law of fluctuation scaling for semivariances and higher moments of heavy-tailed data. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
179	BIG FISH, LITTLE FISH. The Sciences, 1989, 29, 36-43.	0.1	2
180	The evolution of a great mind: the life and work of Darwin. Lancet, The, 2006, 367, 721-722.	13.7	2

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181	Body sizes in food chains of animal predators and parasites. , 2007, , 306-325.		2
182	Measuring the uncertainty of population forecasts: a comparison of two approaches. Advances in Applied Probability, 1985, 17, 246-247.	0.7	1
183	Convexity properties of generalizations of the arithmetic-geometric mean. Numerical Functional Analysis and Optimization, 1990, 11, 33-44.	1.4	1
184	Giant components in three-parameter random directed graphs. Advances in Applied Probability, 1992, 24, 845-857.	0.7	1
185	Game Control.. Population and Development Review, 1996, 22, 578.	2.1	1
186	Universal Basic and Secondary Education. Politics and the Life Sciences, 1999, 18, 213-216.	0.7	1
187	Population problems: Recent developments and their impact. Asia-Pacific Review, 2000, 7, 86-98.	0.1	1
188	Linking Human and Natural History: A Review Essay*. Population and Development Review, 2001, 27, 573-584.	2.1	1
189	Elementary inequalities that involve two nonnegative vectors or functions. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15018-15022.	7.1	1
190	Generalized minimax and maximin inequalities for order statistics and quantile functions. Proceedings of the American Mathematical Society, 2013, 141, 2515-2517.	0.8	1
191	Chebyshev and GrÃ¼ss inequalities for real rectangular matrices. Linear Algebra and Its Applications, 2014, 447, 133-138.	0.9	1
192	SQUARED COEFFICIENT OF VARIATION OF TAYLOR'S LAW FOR RANDOM ABSOLUTE DIFFERENCES. Probability in the Engineering and Informational Sciences, 2018, 32, 483-494.	0.8	1
193	Species-abundance distributions and Taylorâ€™s power law of fluctuation scaling. Theoretical Ecology, 2020, 13, 607-614.	1.0	1
194	Seasonality of Taylorâ€™s law of fluctuation scaling in all-India daily rainfall. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	1
195	Constant global population with demographic heterogeneity. Demographic Research, 0, 18, 409-436.	3.0	1
196	Yeast facilitates the multiplication of Drosophila bacterial symbionts but has no effect on the form or parameters of Taylorâ€™s law. PLoS ONE, 2020, 15, e0242692.	2.5	1
197	Supermultiplicative Inequalities for the Permanent of Nonnegative Matrices. Mathematics Magazine, 1992, 65, 41.	0.1	1
198	Cauchy, normal and correlations versus heavy tails. Statistics and Probability Letters, 2022, 186, 109489.	0.7	1

#	Article	IF	Citations
199	Temporal and Spatial Taylor's Law: Application to Japanese Subnational Mortality Rates. Journal of the Royal Statistical Society Series A: Statistics in Society, 2022, 185, 1979-2006.	1.1	1
200	Stochastic ergodicity of population age structure. Advances in Applied Probability, 1975, 7, 466-467.	0.7	0
201	Some trees are not interval graphs. Bulletin of Mathematical Biology, 1981, 43, 717-717.	1.9	0
202	Finite Markov processes and their applications. Mathematical Biosciences, 1983, 64, 299-301.	1.9	0
203	The Sensitivity of Expected Spanning Trees in Anisotropic Random Graphs. North-Holland Mathematics Studies, 1987, 144, 9-16.	0.2	0
204	A special section for correspondence and controversy. Population and Environment, 1988, 10, 59-72.	3.0	0
205	The World Fertility Survey: An Appraisal of Methodology: Comment. Journal of the American Statistical Association, 1989, 84, 772.	3.1	0
206	MÃ¶bius Inversion of Random Acyclic Directed Graphs. Studies in Applied Mathematics, 1991, 84, 1-6.	2.4	0
207	Random arithmetic-geometric means and random pi: observations and conjectures. Stochastic Processes and Their Applications, 1992, 41, 261-271.	0.9	0
208	Fertility incentives and participation in localities with limited means: A dynamic model of per capita resources. Mathematical Population Studies, 1994, 5, 3-24.	2.2	0
209	Why Should More United States Tax Money be Used to Pay for Development Assistance in Poor Countries?. Population and Development Review, 1997, 23, 579.	2.1	0
210	Despairing optimism. Trends in Ecology and Evolution, 1999, 14, 163-165.	8.7	0
211	A family of inequalities originating from coding of messages. Linear Algebra and Its Applications, 2005, 395, 1-82.	0.9	0
212	Science and Law: Rattled by Quakes. Science, 2011, 334, 1472-1472.	12.6	0
213	Pythagoras in a Box. Math Horizons, 2012, 19, 14-15.	0.0	0
214	Reply to Chen: Under specified assumptions, adequate random samples of skewed distributions obey Taylor's law. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3157-E3158.	7.1	0
215	Two Processes Regulating Trophic Energy Flow in Pelagic and Terrestrial Ecosystems: Trophic Efficiency and Body Sizeâ€“Dependent Biomass Production: (A Reply to Giacomini). American Naturalist, 2018, 191, 364-367.	2.1	0
216	Nonconcavity of the spectral radius in Levinger's theorem. Linear Algebra and Its Applications, 2020, 606, 201-218.	0.9	0

#	Article	IF	Citations
217	Markov's inequality: Sharpness, renewal theory, finite samples, reliability theory. Communications in Statistics - Theory and Methods, 0, , 1-9.	1.0	0
218	Is a Primate Like a Rose?. PsycCritiques, 1977, 22, 269-270.	0.0	0
219	World Population and Development: Challenges and Prospects.Philip M. Hauser. American Journal of Sociology, 1984, 90, 472-474.	0.5	0
220	Graph theoretic models of food webs. Rocky Mountain Journal of Mathematics, 1979, 9, .	0.4	0
221	Title is missing!. , 2020, 15, e0242692.		0
222	Title is missing!. , 2020, 15, e0242692.		0
223	Title is missing!. , 2020, 15, e0242692.		0
224	Title is missing!. , 2020, 15, e0242692.		0
225	Twisted Determinants That Sum to Zero. Mathematics Magazine, 1964, 37, 267.	0.1	0