

# Hans Joachim Schellnhuber

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169  
papers

25,258  
citations

55  
h-index

158  
g-index

180  
ext. papers

29,982  
ext. citations

9.9  
avg. IF

6.78  
L-index

#	Paper	IF	Citations
169	The Anthropocene: From Global Change to Planetary Stewardship (2011). <i>The Anthropocene: Politik - Economics - Society - Science</i> , <b>2021</b> , 145-174	0.3	
168	Network-based forecasting of climate phenomena. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
167	All options, not silver bullets, needed to limit global warming to 1.5 °C: a scenario appraisal. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 064037	6.2	13
166	Balancing Health, Economy and Climate Risk in a Multi-Crisis. <i>Energies</i> , <b>2021</b> , 14, 4067	3.1	2
165	Statistical physics approaches to the complex Earth system. <i>Physics Reports</i> , <b>2021</b> , 896, 1-84	27.7	28
164	Reply to Smith et al.: Social tipping dynamics in a world constrained by conflicting interests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 10631-10632	11.5	1
163	The emergence and evolution of Earth System Science. <i>Nature Reviews Earth &amp; Environment</i> , <b>2020</b> , 1, 54-63	30.2	98
162	Buildings as a global carbon sink. <i>Nature Sustainability</i> , <b>2020</b> , 3, 269-276	22.1	151
161	Social tipping dynamics for stabilizing Earth's climate by 2050. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2354-2365	11.5	175
160	Physical and virtual carbon metabolism of global cities. <i>Nature Communications</i> , <b>2020</b> , 11, 182	17.4	35
159	Climate Change, Public Health, Social Peace <b>2020</b> , 225-238		
158	Feeding ten billion people is possible within four terrestrial planetary boundaries. <i>Nature Sustainability</i> , <b>2020</b> , 3, 200-208	22.1	140
157	Complexity-based approach for El Niño magnitude forecasting before the spring predictability barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 177-183	11.5	21
156	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , <b>2020</b> , 11, 5172	17.4	204
155	Communicating sentiment and outlook reverses inaction against collective risks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 17650-17655	11.5	19
154	Corona and the climate: a comparison of two emergencies. <i>Global Sustainability</i> , <b>2020</b> , 3,	5.4	9
153	Setting the tree-ring record straight. <i>Climate Dynamics</i> , <b>2020</b> , 55, 3017-3024	4.2	5

152	Impacts of climate change on future air quality and human health in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 17193-17200	11.5	96
151	Medical ethics in the Anthropocene: how are €100 billion of German physicians' pension funds invested?. <i>Lancet Planetary Health, The</i> , <b>2019</b> , 3, e405-e406	9.8	4
150	Climate tipping points - too risky to bet against. <i>Nature</i> , <b>2019</b> , 575, 592-595	50.4	521
149	Strong time dependence of ocean acidification mitigation by atmospheric carbon dioxide removal. <i>Nature Communications</i> , <b>2019</b> , 10, 5592	17.4	9
148	The Earth System and Climate Science: Understanding a Very Complex Entity <b>2019</b> , 35-41		
147	Trajectories of the Earth System in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8252-8259	11.5	1184
146	Climate network percolation reveals the expansion and weakening of the tropical component under global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E12128-E12134	11.5	16
145	Alberta wildfire 2016: Apt contribution from anomalous planetary wave dynamics. <i>Scientific Reports</i> , <b>2018</b> , 8, 12375	4.9	7
144	City-level climate change mitigation in China. <i>Science Advances</i> , <b>2018</b> , 4, eaaq0390	14.3	168
143	Statistical significance of seasonal warming/cooling trends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E2998-E3003	11.5	17
142	The limits to global-warming mitigation by terrestrial carbon removal. <i>Earth's Future</i> , <b>2017</b> , 5, 463-474	7.9	63
141	A roadmap for rapid decarbonization. <i>Science</i> , <b>2017</b> , 355, 1269-1271	33.3	586
140	Three years to safeguard our climate. <i>Nature</i> , <b>2017</b> , 546, 593-595	50.4	232
139	Closing the loop: Reconnecting human dynamics to Earth System science. <i>Infrastructure Asset Management</i> , <b>2017</b> , 4, 151-157	1.8	32
138	Network analysis reveals strongly localized impacts of El Niño. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7543-7548	11.5	58
137	Long-term persistence enhances uncertainty about anthropogenic warming of Antarctica. <i>Climate Dynamics</i> , <b>2016</b> , 46, 263-271	4.2	47
136	The world's biggest gamble. <i>Earth's Future</i> , <b>2016</b> , 4, 465-470	7.9	59
135	The Challenge of a 4°C World by 2100. <i>Hexagon Series on Human and Environmental Security and Peace</i> , <b>2016</b> , 267-283		10

134	Armed-conflict risks enhanced by climate-related disasters in ethnically fractionalized countries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9216-21	11.5	211
133	Role of quasiresonant planetary wave dynamics in recent boreal spring-to-autumn extreme events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 6862-7	11.5	51
132	Critical insolation-CO2 relation for diagnosing past and future glacial inception. <i>Nature</i> , <b>2016</b> , 529, 200-350.4	11.5	126
131	Critical insolation-CO2 relation for diagnosing past and future glacial inception. <i>Nature</i> , <b>2016</b> , 534, S19-S20.4	11.5	3
130	Abrupt monsoon transitions as seen in paleorecords can be explained by moisture-advection feedback. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E2348-9	11.5	13
129	Differences in flood hazard projections in Europe [their causes and consequences for decision making. <i>Hydrological Sciences Journal</i> , <b>2016</b> ,	3.5	56
128	System crash as dynamics of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11726-11731	11.5	63
127	Stratigraphic and Earth System approaches to defining the Anthropocene. <i>Earth's Future</i> , <b>2016</b> , 4, 324-345.9	11.5	106
126	Long-term response of oceans to CO2 removal from the atmosphere. <i>Nature Climate Change</i> , <b>2015</b> , 5, 1107-1113	21.4	47
125	A framework for the cross-sectoral integration of multi-model impact projections: land use decisions under climate impacts uncertainties. <i>Earth System Dynamics</i> , <b>2015</b> , 6, 447-460	4.8	29
124	Chaos-order transition in foraging behavior of ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8392-7	11.5	54
123	Will the world run out of land? A Kaya-type decomposition to study past trends of cropland expansion. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 024011	6.2	10
122	Multisectoral climate impact hotspots in a warming world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3233-8	11.5	120
121	The elephant, the blind, and the intersectoral intercomparison of climate impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3225-7	11.5	43
120	How dead ends undermine power grid stability. <i>Nature Communications</i> , <b>2014</b> , 5, 3969	17.4	252
119	Very early warning of next El Niño. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2064-6	11.5	132
118	Climate change: The necessary, the possible and the desirable Earth League climate statement on the implications for climate policy from the 5th IPCC Assessment. <i>Earth's Future</i> , <b>2014</b> , 2, 606-611	7.9	16
117	Climate impact research: beyond patchwork. <i>Earth System Dynamics</i> , <b>2014</b> , 5, 399-408	4.8	24

116	Disentangling the effects of CO <sub>2</sub> and short-lived climate forcer mitigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16325-30	11.5	96
115	Quasi-resonant circulation regimes and hemispheric synchronization of extreme weather in boreal summer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12331-6	11.5	170
114	Improved El Nino forecasting by cooperativity detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11742-5	11.5	108
113	Decomposing the effects of ocean warming on chlorophyll a concentrations into physically and biologically driven contributions. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 014043	6.2	19
112	Reply to Screen and Simmonds: From means to mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E2328	11.5	9
111	Quasiresonant amplification of planetary waves and recent Northern Hemisphere weather extremes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5336-41	11.5	239
110	A multi-model analysis of risk of ecosystem shifts under climate change. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 044018	6.2	55
109	Asynchronous exposure to global warming: freshwater resources and terrestrial ecosystems. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 034032	6.2	43
108	Energy systems transformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E549-58	11.5	62
107	Reply to Schilling: Last things last. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E1211-E1211	11.5	2
106	The anthropocene: from global change to planetary stewardship. <i>Ambio</i> , <b>2011</b> , 40, 739-61	6.5	892
105	Nonlinear detection of paleoclimate-variability transitions possibly related to human evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20422-7	11.5	173
104	Declining ocean chlorophyll under unabated anthropogenic CO <sub>2</sub> emissions. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 034035	6.2	30
103	Geoengineering: the good, the MAD, and the sensible. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20277-8	11.5	31
102	Fairness and physics [observing first principles in global climate policy. <i>Global Change, Peace and Security</i> , <b>2011</b> , 23, 427-433	0.8	2
101	Confidence Intervals for Flood Return Level Estimates Assuming Long-Range Dependence <b>2011</b> , 60-88		4
100	Environment and development. Earth system science for global sustainability: grand challenges. <i>Science</i> , <b>2010</b> , 330, 916-7	33.3	382
99	Correction for Schellnhuber et al., Tipping elements in the Earth System. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1254-1254	11.5	8

98	The budget approach: A framework for a global transformation toward a low-carbon economy. <i>Journal of Renewable and Sustainable Energy</i> , <b>2010</b> , 2, 031003	2.5	26
97	Climate change and the integrity of science. <i>Science</i> , <b>2010</b> , 328, 689-90	33.3	116
96	Ocean acidification: a millennial challenge. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 1883	35.4	46
95	Evidence for a bimodal distribution in human communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18803-8	11.5	190
94	Tragic triumph. <i>Climatic Change</i> , <b>2010</b> , 100, 229-238	4.5	23
93	Planetary Boundaries: Exploring the Safe Operating Space for Humanity. <i>Ecology and Society</i> , <b>2009</b> , 14,	4.1	2588
92	Imprecise probability assessment of tipping points in the climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5041-6	11.5	208
91	Tipping elements in the Earth System. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20561-3	11.5	67
90	Climate impacts and adaptation options in agriculture: what we know and what we don't know. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , <b>2009</b> , 4, 145-150	2.3	31
89	A safe operating space for humanity. <i>Nature</i> , <b>2009</b> , 461, 472-5	50.4	6399
88	Oceanic acidification affects marine carbon pump and triggers extended marine oxygen holes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3017-22	11.5	133
87	Urban expansion and its contribution to the regional carbon emissions: Using the model based on the population density distribution. <i>Ecological Modelling</i> , <b>2008</b> , 216, 208-216	3	33
86	Tipping elements in the Earth's climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1786-93	11.5	1960
85	Global warming: stop worrying, start panicking?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 14239-40	11.5	58
84	Development and illustrative outputs of the Community Integrated Assessment System (CIAS), a multi-institutional modular integrated assessment approach for modelling climate change. <i>Environmental Modelling and Software</i> , <b>2008</b> , 23, 592-610	5.2	38
83	Kyoto: no time to rearrange deckchairs on the Titanic. <i>Nature</i> , <b>2007</b> , 450, 346	50.4	2
82	Introduction. Climate change and urban areas: research dialogue in a policy framework. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2007</b> , 365, 2615-29	3	16
81	Modelling carbon dynamics from urban land conversion: fundamental model of city in relation to a local carbon cycle. <i>Carbon Balance and Management</i> , <b>2006</b> , 1, 8	3.6	22

80	Semiquantitative Assessment of Regional Climate Vulnerability: The North-Rhine Westphalia Study. <i>Climatic Change</i> , <b>2006</b> , 76, 265-290	4.5	23
79	Smallholder agriculture in Northeast Brazil: assessing heterogeneous human-environmental dynamics. <i>Regional Environmental Change</i> , <b>2006</b> , 6, 132-146	4.3	30
78	Technological Change for Atmospheric Stabilization: Introductory Overview to the Innovation Modeling Comparison Project. <i>Energy Journal</i> , <b>2006</b> , SI2006,	3.5	4
77	Earth System Analysis for Sustainability. <i>Environment</i> , <b>2005</b> , 47, 10-25	2.8	25
76	Is the Indian summer monsoon stable against global change?. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	78
75	Forced versus coupled dynamics in Earth system modelling and prediction. <i>Nonlinear Processes in Geophysics</i> , <b>2005</b> , 12, 311-320	2.9	2
74	Comment on "Scaling of atmosphere and ocean temperature correlations in observations and climate models". <i>Physical Review Letters</i> , <b>2004</b> , 92, 039801; author reply 039802	7.4	30
73	Vjushin et al. Reply:. <i>Physical Review Letters</i> , <b>2004</b> , 92,	7.4	2
72	Comment on "Global climate models violate scaling of the observed atmospheric variability". <i>Physical Review Letters</i> , <b>2004</b> , 92, 159803; author reply 159804	7.4	4
71	Climbing the co-evolution ladder. <i>Nature</i> , <b>2004</b> , 431, 913	50.4	35
70	Urbanised territories as a specific component of the Global Carbon Cycle. <i>Ecological Modelling</i> , <b>2004</b> , 173, 295-312	3	85
69	Floods in the IPCC TAR Perspective. <i>Natural Hazards</i> , <b>2004</b> , 31, 111-128	3	67
68	Biogenic Enhancement of Weathering and the Stability of the Ecosphere. <i>Geomicrobiology Journal</i> , <b>2003</b> , 20, 501-511	2.5	11
67	Maximum number of habitable planets at the time of Earth's origin: new hints for panspermia?. <i>Origins of Life and Evolution of Biospheres</i> , <b>2003</b> , 33, 219-31	1.5	13
66	Power-law persistence and trends in the atmosphere: a detailed study of long temperature records. <i>Physical Review E</i> , <b>2003</b> , 68, 046133	2.4	171
65	Global climate models violate scaling of the observed atmospheric variability. <i>Physical Review Letters</i> , <b>2002</b> , 89, 028501	7.4	91
64	Lack of scaling in global climate models. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 2275-2282	1.8	12
63	Exploring Options for Global Climate Policy. A New Analytical Framework. <i>Environment</i> , <b>2002</b> , 44, 22-34	2.8	5



62	Planetary habitability: is Earth commonplace in the Milky Way?. <i>Die Naturwissenschaften</i> , <b>2001</b> , 88, 416-26		23
61	Limits of photosynthesis in extrasolar planetary systems for earth-like planets. <i>Advances in Space Research</i> , <b>2001</b> , 28, 695-700	2.4	26
60	Long-range correlations and trends in global climate models: Comparison with real data. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2001</b> , 294, 239-248	3.3	36
59	Long term persistence in the atmosphere: global laws and tests of climate models. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2001</b> , 302, 255-267	3.3	45
58	Environment and development. Sustainability science. <i>Science</i> , <b>2001</b> , 292, 641-2	33.3	1836
57	Reduction of biosphere life span as a consequence of geodynamics. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 94-107	3.3	20
56	Habitable zone for Earth-like planets in the solar system. <i>Planetary and Space Science</i> , <b>2000</b> , 48, 1099-1105		47
55	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 94-107	3.3	27
54	Determination of habitable zones in extrasolar planetary systems: Where are Gaia's sisters?. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 1651-1658		43
53	Tutorial Modelling of geosphereBiosphere interactions: the effect of percolation-type habitat fragmentation. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1999</b> , 266, 186-196	3.3	10
52	Earth system analysis and the second Copernican revolution. <i>Nature</i> , <b>1999</b> , 402, C19-C23	50.4	310
51	Emission game some applications of the theory of games to the problem of CO2 emission. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 235-242	2	9
50	Optimisation of reduction of global CO2 emission based on a simple model of the carbon cycle. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 23-33	2	24
49	Climate impact on social systems: the risk assessment approach. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 287-294	2	2
48	Climate change decision-support and the tolerable windows approach. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 217-234	2	62
47	Syndromes of Global Change: a qualitative modelling approach to assist global environmental management. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 295-314	2	56
46	Earth system analysis and management. <i>Environmental Modeling and Assessment</i> , <b>1999</b> , 4, 201-207	2	2
45	The Tolerable Windows Approach: Theoretical and Methodological Foundations. <i>Climatic Change</i> , <b>1999</b> , 41, 303-331	4.5	93



44	Analysis of rainfall records: possible relation to self-organized criticality. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1998</b> , 254, 557-568	3.3	41
43	Geocybernetics: Controlling a Complex Dynamical System Under Uncertainty. <i>Die Naturwissenschaften</i> , <b>1998</b> , 85, 411-425	2	34
42	Indication of a Universal Persistence Law Governing Atmospheric Variability. <i>Physical Review Letters</i> , <b>1998</b> , 81, 729-732	7.4	524
41	Long-range power-law correlations in local daily temperature fluctuations. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1998</b> , 77, 1331-1340		50
40	Electronic states on a fractal: The consequences of self-energy variation. <i>Physical Review B</i> , <b>1997</b> , 55, 12956-12962	3.3	5
39	Exact ground state of the Frenkel-Kontorova model with repeated parabolic potential. II. Numerical treatment. <i>Physical Review B</i> , <b>1997</b> , 56, 8631-8637	3.3	2
38	Exact ground state of the Frenkel-Kontorova model with repeated parabolic potential. I. Basic results. <i>Physical Review B</i> , <b>1997</b> , 56, 8623-8630	3.3	2
37	Self-stabilization of the biosphere under global change: a tutorial geophysiological approach. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1997</b> , 49, 249-262	3.3	18
36	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1997</b> , 49, 249-262	3.3	27
35	Multifractal characterization of microbially induced magnesian calcite formation in Recent tidal flat sediments. <i>Sedimentary Geology</i> , <b>1997</b> , 109, 37-51	2.8	19
34	Fuzzy logic based global assessment of the marginality of agricultural land use. <i>Climate Research</i> , <b>1997</b> , 8, 135-150	1.6	20
33	Chaotic quantum motion in a space-time periodic potential: an exactly solvable model. <i>Physica D: Nonlinear Phenomena</i> , <b>1995</b> , 82, 371-381	3.3	
32	Electronic states on a fractal: Inverse-iteration method. <i>Physical Review B</i> , <b>1994</b> , 49, 14711-14714	3.3	17
31	Direct graphite furnace atomic absorption spectrometric determination of metals in sea water: application of palladium modifiers and a fractal approach to their analytical support. <i>Analytica Chimica Acta</i> , <b>1993</b> , 279, 241-251	6.6	17
30	Geophysiology of mineral deposits - a model for a biological driving force of global changes through Earth history. <i>Terra Nova</i> , <b>1992</b> , 4, 351-362	3	15
29	Growth-zone scaling properties and fjord structure of aggregates grown by particle-cluster interaction. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1992</b> , 191, 108-112	3.3	3
28	Fractional differentiation of devil's staircases. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1992</b> , 191, 491-500	3.3	11
27	Aggregation by attractive particle-cluster interaction. <i>Journal of Physics A</i> , <b>1991</b> , 24, L1037-L1044		24

26	Electronic states on a fractal: Exact Green's-function renormalization approach. <i>Physical Review B</i> , <b>1991</b> , 44, 13213-13227	3.3	11
25	Multifractal analysis of the microdistribution of elements in sedimentary structures using images from scanning electron microscopy and energy dispersive X ray spectrometry. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 16223		21
24	Simple extension of the Frenkel-Kontorova model: a different world. <i>European Physical Journal B</i> , <b>1990</b> , 80, 305-312	1.2	11
23	Exactly solvable model for cantor phase transitions. <i>Physical Review Letters</i> , <b>1990</b> , 65, 2551-2554	7.4	10
22	Efficient box-counting determination of generalized fractal dimensions. <i>Physical Review A</i> , <b>1990</b> , 42, 1869-1874	2.6	126
21	Analytic evaluation of the multifractal properties of a Newtonian Julia set. <i>Physical Review Letters</i> , <b>1989</b> , 62, 1807-1810	7.4	10
20	Exact Treatment of Quantum States on a Fractal. <i>Europhysics Letters</i> , <b>1989</b> , 10, 73-78	1.6	23
19	Analytical study of Cantori: Gap structure, initial conditions, and dimensions. <i>Physical Review A</i> , <b>1988</b> , 38, 5888-5901	2.6	6
18	Analytic fractal dimension of cantori. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1046	7.4	1
17	Analyticity breaking of wave functions and fractal phase diagram for simple incommensurate systems. <i>Physica Status Solidi (B): Basic Research</i> , <b>1987</b> , 140, 509-519	1.3	17
16	Convergence to the steady state for the reaction-diffusion kinetics of irradiation-produced defects. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1986</b> , 116, 115-118	2.3	1
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9	Diamagnetic Band Structure Comparison of Second-Order Perturbation with a First-Principles Calculation. <i>Physica Status Solidi (B): Basic Research</i> , <b>1981</b> , 106, 537-544	1.3	2

8	First-principles calculation of diamagnetic band structure. I. Reduction to a one-dimensional Schrödinger equation. <i>Physical Review B</i> , <b>1981</b> , 23, 5185-5190	3-3	35
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5	Prototyping Broad-Scale Climate and Ecosystem Classes by Means of Self-Organising Maps	155-175	
4	Climate Change as a Security Risk		3
3	How to determine the statistical significance of trends in seasonal records: application to Antarctic temperatures. <i>Climate Dynamics</i> , 1	4-2	1
2	Global Economic Cost of Deaths Attributable to Ambient Air Pollution: Disproportionate Burden on the Ageing Population		1
1	A safe operating space for humanity		1