

Gian-Kasper Plattner

List of Publications by Year in descending order

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49
papers

13,466
citations

94269

37
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223531

46
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52
all docs

52
docs citations

52
times ranked

15230
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloud Optimized Raster Encoding (CORE): A Web-Native Streamable Format for Large Environmental Time Series. <i>Geomatics</i> , 2021, 1, 369-382.	1.0	2
2	Making use of the IPCC's powerful communication tool. <i>Nature Climate Change</i> , 2016, 6, 637-638.	8.1	11
3	Mapping the climate change challenge. <i>Nature Climate Change</i> , 2016, 6, 663-668.	8.1	75
4	Consequences of twenty-first-century policy for multi-millennial climate and sea-level change. <i>Nature Climate Change</i> , 2016, 6, 360-369.	8.1	442
5	Dominant role of eddies and filaments in the offshore transport of carbon and nutrients in the California Current System. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5318-5341.	1.0	118
6	Climate policy: Rethink IPCC reports. <i>Nature</i> , 2014, 513, 163-165.	13.7	24
7	Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2793-2825.	1.9	517
8	Spatiotemporal variability and long-term trends of ocean acidification in the California Current System. <i>Biogeosciences</i> , 2013, 10, 193-216.	1.3	152
9	Comments on "Why Hasn't Earth Warmed as Much as Expected?". <i>Journal of Climate</i> , 2012, 25, 2192-2199.		5
10	Rapid Progression of Ocean Acidification in the California Current System. <i>Science</i> , 2012, 337, 220-223.	6.0	353
11	Long-term climate implications of twenty-first century options for carbon dioxide emission mitigation. <i>Nature Climate Change</i> , 2011, 1, 457-461.	8.1	87
12	Eddy-induced reduction of biological production in eastern boundary upwelling systems. <i>Nature Geoscience</i> , 2011, 4, 787-792.	5.4	315
13	Tried and tested. <i>Nature Climate Change</i> , 2011, 1, 71-71.	8.1	6
14	How well do integrated assessment models simulate climate change?. <i>Climatic Change</i> , 2011, 104, 255-285.	1.7	127
15	The IPCC AR5 guidance note on consistent treatment of uncertainties: a common approach across the working groups. <i>Climatic Change</i> , 2011, 108, 675-691.	1.7	259
16	Uncertainty and risk in climate projections for the 21st century: comparing mitigation to non-intervention scenarios. <i>Climatic Change</i> , 2010, 103, 399-422.	1.7	17
17	Persistence of climate changes due to a range of greenhouse gases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18354-18359.	3.3	144
18	Contributions of Stratospheric Water Vapor to Decadal Changes in the Rate of Global Warming. <i>Science</i> , 2010, 327, 1219-1223.	6.0	975

#	ARTICLE	IF	CITATIONS
19	The role of ocean transport in the uptake of anthropogenic CO ₂ . <i>Biogeosciences</i> , 2009, 6, 375-390.	1.3	93
20	OCEAN ACIDIFICATION IN THE CALIFORNIA CURRENT SYSTEM. <i>Oceanography</i> , 2009, 22, 60-71.	0.5	131
21	CO ₂ and non-CO ₂ radiative forcings in climate projections for twenty-first century mitigation scenarios. <i>Climate Dynamics</i> , 2009, 33, 737-749.	1.7	20
22	Terrestrial ecosystem inertia. <i>Nature Geoscience</i> , 2009, 2, 467-468.	5.4	5
23	Natural variability and anthropogenic trends in oceanic oxygen in a coupled carbon cycle–climate model ensemble. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	143
24	Irreversible climate change due to carbon dioxide emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1704-1709.	3.3	2,294
25	Modeled natural and excess radiocarbon: Sensitivities to the gas exchange formulation and ocean transport strength. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	70
26	A Review of Uncertainties in Global Temperature Projections over the Twenty-First Century. <i>Journal of Climate</i> , 2008, 21, 2651-2663.	1.2	209
27	Long-Term Climate Commitments Projected with Climate–Carbon Cycle Models. <i>Journal of Climate</i> , 2008, 21, 2721-2751.	1.2	232
28	Temperature increase of 21st century mitigation scenarios. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15258-15262.	3.3	139
29	Impact of circulation on export production, dissolved organic matter, and dissolved oxygen in the ocean: Results from Phase II of the Ocean Carbon–cycle Model Intercomparison Project (OCMIP-2). <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	211
30	Eddy-resolving simulation of plankton ecosystem dynamics in the California Current System. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1483-1516.	0.6	154
31	Anthropogenic ocean acidification over the twenty-first century and its impact on calcifying organisms. <i>Nature</i> , 2005, 437, 681-686.	13.7	3,772
32	Decoupling marine export production from new production. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	60
33	Probabilistic climate change projections for CO ₂ stabilization profiles. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	53
34	Evaluating global ocean carbon models: The importance of realistic physics. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	210
35	Evaluation of ocean carbon cycle models with data-based metrics. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	168
36	The role of coastal zones in global biogeochemical cycles. <i>Eos</i> , 2004, 85, 470-470.	0.1	6

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37	Probabilistic climate change projections using neural networks. <i>Climate Dynamics</i> , 2003, 21, 257-272.	1.7	185
38	Model sensitivity in the effect of Antarctic sea ice and stratification on atmospheric pCO ₂ . <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	56
39	Trends in marine dissolved oxygen: Implications for ocean circulation changes and the carbon budget. <i>Eos</i> , 2003, 84, 197.	0.1	124
40	Simulation of atmospheric radiocarbon during abrupt oceanic circulation changes: trying to reconcile models and reconstructions. <i>Quaternary Science Reviews</i> , 2003, 22, 1647-1658.	1.4	46
41	Revision of the global carbon budget due to changing air-sea oxygen fluxes. <i>Global Biogeochemical Cycles</i> , 2002, 16, 43-1-43-12.	1.9	136
42	Evaluation of ocean model ventilation with CFC-11: comparison of 13 global ocean models. <i>Ocean Modelling</i> , 2002, 4, 89-120.	1.0	192
43	Constraints on radiative forcing and future climate change from observations and climate model ensembles. <i>Nature</i> , 2002, 416, 719-723.	13.7	345
44	Global warming feedbacks on terrestrial carbon uptake under the Intergovernmental Panel on Climate Change (IPCC) Emission Scenarios. <i>Global Biogeochemical Cycles</i> , 2001, 15, 891-907.	1.9	368
45	Feedback mechanisms and sensitivities of ocean carbon uptake under global warming. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001, 53, 564-592.	0.8	114
46	Global Warming and Marine Carbon Cycle Feedbacks on Future Atmospheric CO ₂ . <i>Science</i> , 1999, 284, 464-467.	6.0	284
47	The Future of the Thermohaline Circulation - a Perspective. <i>Geophysical Monograph Series</i> , 0, , 277-293.	0.1	16
48	Investigations towards enabling a Web-based environmental geospatial information system (Web-EGIS) in EnviDat. <i>Abstracts of the ICA</i> , 0, 3, 1-1.	0.0	0
49	Open Data " Open Software: Implementing Geospatial Requirements in EnviDat with an Open-Source Stack. <i>Abstracts of the ICA</i> , 0, 3, 1-1.	0.0	0