

# Bernard C Pak

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

3,914  
citations

394421

19  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

4342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards robust regional estimates of CO <sub>2</sub> sources and sinks using atmospheric transport models. <i>Nature</i> , 2002, 415, 626-630.	27.8	1,157
2	A global model of carbon, nitrogen and phosphorus cycles for the terrestrial biosphere. <i>Biogeosciences</i> , 2010, 7, 2261-2282.	3.3	542
3	TransCom 3 inversion intercomparison: Impact of transport model errors on the interannual variability of regional CO <sub>2</sub> fluxes, 1988-2003. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	417
4	Transcom 3 inversion intercomparison: Model mean results for the estimation of seasonal carbon sources and sinks. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	312
5	Interannual growth rate variations of atmospheric CO <sub>2</sub> and its $\delta^{13}C$ , H <sub>2</sub> , CH <sub>4</sub> , and CO between 1992 and 1999 linked to biomass burning. <i>Global Biogeochemical Cycles</i> , 2002, 16, 21-1-21-22.	4.9	245
6	TransCom 3 CO <sub>2</sub> inversion intercomparison: 1. Annual mean control results and sensitivity to transport and prior flux information. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 555-579.	1.6	235
7	Amazon forest response to CO <sub>2</sub> fertilization dependent on plant phosphorus acquisition. <i>Nature Geoscience</i> , 2019, 12, 736-741.	12.9	177
8	Diagnosing errors in a land surface model (CABLE) in the time and frequency domains. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	172
9	TransCom 3 CO <sub>2</sub> inversion intercomparison: 1. Annual mean control results and sensitivity to transport and prior flux information. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 55, 555.	1.6	105
10	OptIC project: An intercomparison of optimization techniques for parameter estimation in terrestrial biogeochemical models. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	82
11	Improving the responses of the Australian community land surface model (CABLE) to seasonal drought. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	79
12	Using models to guide field experiments: <i>a priori</i> predictions for the CO <sub>2</sub> response of a nutrient- and water-limited native Eucalypt woodland. <i>Global Change Biology</i> , 2016, 22, 2834-2851.	9.5	77
13	CO <sub>2</sub> source inversions using satellite observations of the upper troposphere. <i>Geophysical Research Letters</i> , 2001, 28, 4571-4574.	4.0	43
14	The Plumbing of Land Surface Models: Is Poor Performance a Result of Methodology or Data Quality?. <i>Journal of Hydrometeorology</i> , 2016, 17, 1705-1723.	1.9	43
15	Sensitivity of inverse estimation of annual mean CO <sub>2</sub> sources and sinks to ocean-only sites versus all-sites observational networks. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	40
16	Evaluating Surface Water Cycle Simulated by the Australian Community Land Surface Model (CABLE) across Different Spatial and Temporal Domains. <i>Journal of Hydrometeorology</i> , 2013, 14, 1119-1138.	1.9	34
17	Global Carbon Sequestration Is Highly Sensitive to Model-Based Formulations of Nitrogen Fixation. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006296.	4.9	31
18	High Precision Long-Term Monitoring of Radiatively Active and Related Trace Gases at Surface Sites and from Aircraft in the Southern Hemisphere Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 279-285.	1.7	28

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19	Measurements of biomass burning influences in the troposphere over southeast Australia during the SAFARI 2000 dry season campaign. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	28
20	Nitrogen Deposition Maintains a Positive Effect on Terrestrial Carbon Sequestration in the 21st Century Despite Growing Phosphorus Limitation at Regional Scales. <i>Global Biogeochemical Cycles</i> , 2019, 33, 810-824.	4.9	26
21	Linear and nonlinear effects of dominant drivers on the trends in global and regional land carbon uptake: 1959 to 2013. <i>Geophysical Research Letters</i> , 2016, 43, 1607-1614.	4.0	18
22	Quantification and attribution of errors in the simulated annual gross primary production and latent heat fluxes by two global land surface models. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1270-1288.	3.8	17
23	Comparing surface energy, water and carbon cycle in dry and wet regions simulated by a land-surface model. <i>Theoretical and Applied Climatology</i> , 2011, 104, 511-527.	2.8	6