

# W Richard Peltier

## List of Publications by Year in descending order

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296  
papers

27,732  
citations

8159

76  
h-index

7136

153  
g-index

332  
all docs

332  
docs citations

332  
times ranked

13617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclogenesis and frontogenesis. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 42, 3.	0.8	1
2	Thermohaline staircase formation in the diffusive convection regime: a theory based upon stratified turbulence asymptotics. <i>Journal of Fluid Mechanics</i> , 2022, 931, .	1.4	7
3	Influence of 3D Earth Structure on Glacial Isostatic Adjustment in the Russian Arctic. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
4	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. <i>Nature Communications</i> , 2022, 13, 1306.	5.8	28
5	Evaluating seasonal sea-ice cover over the Southern Ocean at the Last Glacial Maximum. <i>Climate of the Past</i> , 2022, 18, 845-862.	1.3	7
6	Mantle Viscosity. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 1107-1115.	0.1	0
7	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. <i>Climate of the Past</i> , 2021, 17, 529-543.	1.3	20
8	The southeast asian monsoon: dynamically downscaled climate change projections and high resolution regional ocean modelling on the effects of the Tibetan Plateau. <i>Climate Dynamics</i> , 2021, 56, 2597-2616.	1.7	4
9	Gamma instability in an inhomogeneous environment and salt-fingering staircase trapping: Determining the step size. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	5
10	The Viscosity of the Top Third of the Lower Mantle Estimated Using GPS, GRACE, and Relative Sea Level Measurements of Glacial Isostatic Adjustment. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021537.	1.4	20
11	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. <i>Climate of the Past</i> , 2021, 17, 1065-1089.	1.3	107
12	Parametrization of irreversible diapycnal diffusivity in salt-fingering turbulence using DNS. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	1.4	8
13	Reduced El Niño variability in the mid-Pliocene according to the PlioMIP2 ensemble. <i>Climate of the Past</i> , 2021, 17, 2427-2450.	1.3	10
14	Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. <i>Climate of the Past</i> , 2021, 17, 2537-2558.	1.3	21
15	Towards a climate-driven simulation of coupled surface-subsurface hydrology at the continental scale: a Canadian example. <i>Canadian Water Resources Journal</i> , 2020, 45, 11-27.	0.5	18
16	Dynamically Downscaled Climate Change Projections for the South Asian Monsoon: Mean and Extreme Precipitation Changes and Physics Parameterization Impacts. <i>Journal of Climate</i> , 2020, 33, 2311-2331.	1.2	15
17	African Humid Period Precipitation Sustained by Robust Vegetation, Soil, and Lake Feedbacks. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088728.	1.5	28
18	Drier tropical and subtropical Southern Hemisphere in the mid-Pliocene Warm Period. <i>Scientific Reports</i> , 2020, 10, 13458.	1.6	25

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19	The KPP Trigger of Rapid AMOC Intensification in the Nonlinear Dansgaard-Oeschger Relaxation Oscillation. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015557.	1.0	9
20	Uncertainties of Glacial Isostatic Adjustment Model Predictions in North America Associated With 3D Structure. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087944.	1.5	19
21	Sensitivity studies and comprehensive evaluation of RegCM4.6.1 high-resolution climate simulations over the Tibetan Plateau. <i>Climate Dynamics</i> , 2020, 54, 3781-3801.	1.7	33
22	The Tides of the Glacial Ocean and Their Possible Connection to Heinrich Event Instabilities of the Laurentide Ice Sheet. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015444.	1.0	11
23	Improved Internal Wave Spectral Continuum in a Regional Ocean Model. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015974.	1.0	19
24	Out of the Ice Age: Megatides of the Arctic Ocean and the Bølling-Ållerød, Younger Dryas Transition. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089870.	1.5	4
25	Numerical Investigation of Mechanisms Underlying Oceanic Internal Gravity Wave Power-Law Spectra. <i>Journal of Physical Oceanography</i> , 2020, 50, 2713-2733.	0.7	9
26	Lessons from a high-CO <sub>2</sub> world: an ocean view from 1/4 million years ago. <i>Climate of the Past</i> , 2020, 16, 1599-1615.	1.3	52
27	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models. <i>Climate of the Past</i> , 2020, 16, 1777-1805.	1.3	56
28	Large-scale features and evaluation of the PMIP4-CMIP6 & midHolocene simulations. <i>Climate of the Past</i> , 2020, 16, 1847-1872.	1.3	94
29	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , 2020, 16, 2095-2123.	1.3	93
30	Evaluation of Arctic warming in mid-Pliocene climate simulations. <i>Climate of the Past</i> , 2020, 16, 2325-2341.	1.3	21
31	Mantle Viscosity. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-9.	0.1	0
32	Evaluating Climate Change Impacts on Soil Moisture and Groundwater Resources Within a Lake-Affected Region. <i>Water Resources Research</i> , 2019, 55, 8142-8163.	1.7	37
33	Deploying a Top-100 Supercomputer for Large Parallel Workloads. , 2019, , .		82
34	Dynamically Downscaled Climate Simulations of the Indian Monsoon in the Instrumental Era: Physics Parameterization Impacts and Precipitation Extremes. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 831-852.	0.6	11
35	Simulating Climate Change Impacts on Surface Water Resources Within a Lake-Affected Region Using Regional Climate Projections. <i>Water Resources Research</i> , 2019, 55, 130-155.	1.7	46
36	Deep learning of mixing by two atoms™ of stratified turbulence. <i>Journal of Fluid Mechanics</i> , 2019, 861, .	1.4	34

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37	Relative sea level in the Western Mediterranean basin: A regional test of the ICE-7G_NA (VM7) model and a constraint on late Holocene Antarctic deglaciation. <i>Quaternary Science Reviews</i> , 2018, 183, 76-87.	1.4	76
38	Comment on "An Assessment of the ICE-6G_C (VM5a) Glacial Isostatic Adjustment Model" by Purcell et al.. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2019-2028.	1.4	232
39	Fast Physics and Slow Physics in the Nonlinear Dansgaard-Oeschger Relaxation Oscillation. <i>Journal of Climate</i> , 2018, 31, 3423-3449.	1.2	39
40	Uncertainty in Future Summer Precipitation in the Laurentian Great Lakes Basin: Dynamical Downscaling and the Influence of Continental-Scale Processes on Regional Climate Change. <i>Journal of Climate</i> , 2018, 31, 2651-2673.	1.2	23
41	On the mechanisms of warming the mid-Pliocene and the inference of a hierarchy of climate sensitivities with relevance to the understanding of climate futures. <i>Climate of the Past</i> , 2018, 14, 825-856.	1.3	37
42	Self-organized criticality of turbulence in strongly stratified mixing layers. <i>Journal of Fluid Mechanics</i> , 2018, 856, 228-256.	1.4	35
43	Postglacial relative sea-level histories along the eastern Canadian coastline. <i>Quaternary Science Reviews</i> , 2018, 201, 124-146.	1.4	43
44	Influence of Surface Topography on the Critical Carbon Dioxide Level Required for the Formation of a Modern Snowball Earth. <i>Journal of Climate</i> , 2018, 31, 8463-8479.	1.2	5
45	The PMIP4 contribution to CMIP6 " Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , 2018, 11, 1033-1057.	1.3	164
46	A postglacial relative sea-level database for the Russian Arctic coast. <i>Quaternary Science Reviews</i> , 2018, 199, 188-205.	1.4	29
47	Relative sea-level changes during the Holocene in the Río de la Plata, Argentina and Uruguay: A review. <i>Quaternary International</i> , 2017, 442, 35-49.	0.7	35
48	Efficiency of turbulent mixing in the abyssal ocean circulation. <i>Geophysical Research Letters</i> , 2017, 44, 6296-6306.	1.5	89
49	Space-geodetic and water level gauge constraints on continental uplift and tilting over North America: regional convergence of the ICE-6G_C (VM5a/VM6) models. <i>Geophysical Journal International</i> , 2017, 210, 1115-1142.	1.0	58
50	Projected Hydroclimatic Changes in Two Major River Basins at the Canadian West Coast Based on High-Resolution Regional Climate Simulations. <i>Journal of Climate</i> , 2017, 30, 8081-8105.	1.2	10
51	Abrupt climate transition of icy worlds from snowball to moist or runaway greenhouse. <i>Nature Geoscience</i> , 2017, 10, 556-560.	5.4	25
52	Role of overturns in optimal mixing in stratified mixing layers. <i>Journal of Fluid Mechanics</i> , 2017, 826, 522-552.	1.4	43
53	A Census of Atmospheric Variability From Seconds to Decades. <i>Geophysical Research Letters</i> , 2017, 44, 11,201.	1.5	28
54	Assimilating the ICE-6G_C Reconstruction of the Latest Quaternary Ice Age Cycle Into Numerical Simulations of the Laurentide and Fennoscandian Ice Sheets. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 2324-2347.	1.0	10

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55	Strong effects of tropical ice-sheet coverage and thickness on the hard snowball Earth bifurcation point. <i>Climate Dynamics</i> , 2017, 48, 3459-3474.	1.7	13
56	Drivers of Holocene sea-level change in the Caribbean. <i>Quaternary Science Reviews</i> , 2017, 155, 13-36.	1.4	124
57	The PMIP4 contribution to CMIP6 – Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. <i>Geoscientific Model Development</i> , 2017, 10, 4035-4055.	1.3	137
58	Regional and global climate for the mid-Pliocene using the University of Toronto version of CCSM4 and PlioMIP2 boundary conditions. <i>Climate of the Past</i> , 2017, 13, 919-942.	1.3	45
59	Transient climate simulations of the deglaciation 21,000 years before present (version 1) – PMIP4 Core experiment design and boundary conditions. <i>Geoscientific Model Development</i> , 2016, 9, 2563-2587.	1.3	84
60	A new characterization of the turbulent diapycnal diffusivities of mass and momentum in the ocean. <i>Geophysical Research Letters</i> , 2016, 43, 3370-3379.	1.5	46
61	Turbulent mixing due to the Holmboe wave instability at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2016, 803, 591-621.	1.4	59
62	Projected Changes in Precipitation Extremes for Western Canada based on High-Resolution Regional Climate Simulations. <i>Journal of Climate</i> , 2016, 29, 8841-8863.	1.2	24
63	The Role of Holocene Relative Sea-Level Change in Preserving Records of Subduction Zone Earthquakes. <i>Current Climate Change Reports</i> , 2016, 2, 86-100.	2.8	40
64	Thermohaline instability and the formation of glacial North Atlantic super polynyas at the onset of Dansgaard-Oeschger warming events. <i>Geophysical Research Letters</i> , 2016, 43, 5336-5344.	1.5	51
65	Relative sea-level change in northeastern Florida (USA) during the last 148,000 years. <i>Quaternary Science Reviews</i> , 2016, 142, 90-101.	1.4	28
66	Turbulent diapycnal mixing in stratified shear flows: the influence of Prandtl number on mixing efficiency and transition at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2015, 773, 178-223.	1.4	72
67	Diapycnal diffusivity, turbulent Prandtl number and mixing efficiency in Boussinesq stratified turbulence. <i>Journal of Fluid Mechanics</i> , 2015, 775, 464-500.	1.4	82
68	Glacial isostatic adjustment, relative sea level history and mantle viscosity: reconciling relative sea level model predictions for the U.S. East coast with geological constraints. <i>Geophysical Journal International</i> , 2015, 201, 1156-1181.	1.0	79
69	Reconciling the ICE6G_C reconstruction of glacial chronology with ice sheet dynamics: The cases of Greenland and Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 1841-1865.	1.0	31
70	Holocene Relative Sea-Level Changes from Near-, Intermediate-, and Far-Field Locations. <i>Current Climate Change Reports</i> , 2015, 1, 247-262.	2.8	107
71	Influence of Enhanced Abyssal Diapycnal Mixing on Stratification and the Ocean Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2015, 45, 2580-2597.	0.7	39
72	The impacts of mantle phase transitions and the iron spin crossover in ferropericlase on convective mixing – is the evidence for compositional convection definitive? New results from a Yin-Yang overset grid-based control volume model. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5884-5910.	1.4	11

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73	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. <i>Geoscientific Model Development</i> , 2015, 8, 3621-3637.	1.3	95
74	Attributing observed Greenland responses to natural and anthropogenic climate forcings. <i>Climate Dynamics</i> , 2015, 45, 2919-2936.	1.7	5
75	Science Needs for Sea-Level Adaptation Planning: Comparisons among Three U.S. Atlantic Coastal Regions. <i>Coastal Management</i> , 2015, 43, 555-574.	1.0	8
76	Space geodesy constrains ice age terminal deglaciation: The global ICE-6G_C (VM5a) model. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 450-487.	1.4	890
77	Dynamically Downscaled High-Resolution Hydroclimate Projections for Western Canada. <i>Journal of Climate</i> , 2015, 28, 423-450.	1.2	26
78	On the reconstruction of palaeo-ice sheets: Recent advances and future challenges. <i>Quaternary Science Reviews</i> , 2015, 125, 15-49.	1.4	125
79	The History of the Earth's Rotation: Impacts of Deep Earth Physics and Surface Climate Variability. , 2015, , 221-279.		11
80	Interhemispheric air temperature phase relationships in the nonlinear Dansgaard-Oeschger oscillation. <i>Geophysical Research Letters</i> , 2015, 42, 1180-1189.	1.5	29
81	Spatiotemporal development of irreversible mixing in midlatitude baroclinic wave life cycles: Morphology, energetics, and nonisentropic mixing activity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3663-3686.	1.2	0
82	Dansgaard-Oeschger oscillations predicted in a comprehensive model of glacial climate: A "kicked" salt oscillator in the Atlantic. <i>Geophysical Research Letters</i> , 2014, 41, 7306-7313.	1.5	151
83	The Antarctica component of postglacial rebound model ICE-6G_C (VM5a) based on GPS positioning, exposure age dating of ice thicknesses, and relative sea level histories. <i>Geophysical Journal International</i> , 2014, 198, 537-563.	1.0	365
84	Climate change impacts on Great Lakes Basin precipitation extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10799-10812.	1.2	49
85	Shear-induced mixing in geophysical flows: does the route to turbulence matter to its efficiency?. <i>Journal of Fluid Mechanics</i> , 2013, 725, 216-261.	1.4	64
86	Time-dependent, non-monotonic mixing in stratified turbulent shear flows: implications for oceanographic estimates of buoyancy flux. <i>Journal of Fluid Mechanics</i> , 2013, 736, 570-593.	1.4	67
87	Layered convection in Io: Implications for short-wavelength surface topography and heat flow. <i>Icarus</i> , 2013, 225, 15-27.	1.1	4
88	A higher order discontinuous Galerkin, global shallow water model: Global ocean tides and aquaplanet benchmarks. <i>Ocean Modelling</i> , 2013, 69, 93-107.	1.0	14
89	The role of the geothermal heat flux in driving the abyssal ocean circulation. <i>Geophysical Research Letters</i> , 2013, 40, 3144-3149.	1.5	20
90	Last Glacial Maximum ice sheet impacts on North Atlantic climate variability: The importance of the sea ice lid. <i>Geophysical Research Letters</i> , 2013, 40, 6378-6383.	1.5	39

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91	Examining Internal and External Contributors to Greenland Climate Variability Using CCSM3. <i>Journal of Climate</i> , 2013, 26, 9745-9773.	1.2	8
92	Sea level variations during snowball Earth formation: 1. A preliminary analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4410-4424.	1.4	24
93	Sea level variations during snowball Earth formation and evolution: 2. The influence of Earth's rotation. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4425-4445.	1.4	6
94	Influence of tidal range change and sediment compaction on Holocene relative sea level change in New Jersey, USA. <i>Journal of Quaternary Science</i> , 2013, 28, 403-411.	1.1	45
95	A high-resolution study of tides in the Delaware Bay: Past conditions and future scenarios. <i>Geophysical Research Letters</i> , 2013, 40, 338-342.	1.5	45
96	The initiation of Neoproterozoic "snowball" climates in CCSM3: the influence of paleocontinental configuration. <i>Climate of the Past</i> , 2013, 9, 2555-2577.	1.3	29
97	Models of Glacial Isostasy and Relative Sea Level. <i>Geodynamic Series</i> , 2013, , 111-128.	0.1	6
98	The Initiation of Modern "Soft Snowball" and "Hard Snowball" Climates in CCSM3. Part II: Climate Dynamic Feedbacks. <i>Journal of Climate</i> , 2012, 25, 2737-2754.	1.2	51
99	The Initiation of Modern "Soft Snowball" and "Hard Snowball" Climates in CCSM3. Part I: The Influences of Solar Luminosity, CO2 Concentration, and the Sea Ice/Snow Albedo Parameterization. <i>Journal of Climate</i> , 2012, 25, 2711-2736.	1.2	61
100	High tide of the warm Pliocene: Implications of global sea level for Antarctic deglaciation. <i>Geology</i> , 2012, 40, 407-410.	2.0	230
101	Dynamical Downscaling over the Great Lakes Basin of North America Using the WRF Regional Climate Model: The Impact of the Great Lakes System on Regional Greenhouse Warming. <i>Journal of Climate</i> , 2012, 25, 7723-7742.	1.2	98
102	A data-calibrated distribution of deglacial chronologies for the North American ice complex from glaciological modeling. <i>Earth and Planetary Science Letters</i> , 2012, 315-316, 30-40.	1.8	279
103	The "zoo" of secondary instabilities precursory to stratified shear flow transition. Part 1 Shear aligned convection, pairing, and braid instabilities. <i>Journal of Fluid Mechanics</i> , 2012, 708, 5-44.	1.4	81
104	The "zoo" of secondary instabilities precursory to stratified shear flow transition. Part 2 The influence of stratification. <i>Journal of Fluid Mechanics</i> , 2012, 708, 45-70.	1.4	64
105	Comment on "Ocean mass from GRACE and glacial isostatic adjustment" by D. P. Chambers et al.. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
106	The initiation of modern soft and hard Snowball Earth climates in CCSM4. <i>Climate of the Past</i> , 2012, 8, 907-918.	1.3	38
107	Radiative effects of ozone on the climate of a Snowball Earth. <i>Climate of the Past</i> , 2012, 8, 2019-2029.	1.3	4
108	The high-pressure electronic spin transition in iron: Potential impacts upon mantle mixing. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25

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109	High-resolution numerical modeling of tides in the western Atlantic, Gulf of Mexico, and Caribbean Sea during the Holocene. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	69
110	A carbon cycle coupled climate model of Neoproterozoic glaciation: Explicit carbon cycle with stochastic perturbations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	11
111	W. R. Peltier Receives 2010 Charles A. Whitten Medal. <i>Eos</i> , 2011, 92, 32-33.	0.1	0
112	GRACE era secular trends in Earth rotation parameters: A global scale impact of the global warming process?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	37
113	Rise of the Ellsworth mountains and parts of the East Antarctic coast observed with GPS. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	28
114	Turbulence transition in stratified atmospheric and oceanic shear flows: Reynolds and Prandtl number controls upon the mechanism. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	11
115	ICE-5G and ICE-6G models of postglacial relative sea-level history applied to the Holocene coral reef record of northeastern St Croix, U.S.V.I.: investigating the influence of rotational feedback on GIA processes at tropical latitudes. <i>Quaternary Science Reviews</i> , 2011, 30, 3032-3042.	1.4	38
116	Model-dependence of the CO <sub>2</sub> threshold for melting the hard Snowball Earth. <i>Climate of the Past</i> , 2011, 7, 17-25.	1.3	25
117	Three-dimensionalization of the stratified mixing layer at high Reynolds number. <i>Physics of Fluids</i> , 2011, 23, .	1.6	23
118	Holocene relative sea-level changes and glacial isostatic adjustment of the U.S. Atlantic coast. <i>Geology</i> , 2011, 39, 751-754.	2.0	99
119	The impact of insolation, greenhouse gas forcing and ocean circulation changes on glacial inception. <i>Holocene</i> , 2011, 21, 803-817.	0.9	14
120	Mantle Viscosity. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 869-876.	0.1	0
121	The angular velocities of the plates and the velocity of Earth's centre from space geodesy. <i>Geophysical Journal International</i> , 2010, 180, 913-960.	1.0	221
122	Constraining models of postglacial rebound using space geodesy: a detailed assessment of model ICE-5G (VM2) and its relatives. <i>Geophysical Journal International</i> , 2010, , .	1.0	65
123	Layered convection and the impacts of the perovskite $\rightarrow$ postperovskite phase transition on mantle dynamics under isochemical conditions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13
124	A carbon cycle coupled climate model of Neoproterozoic glaciation: Influence of continental configuration on the formation of a "soft snowball". <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
125	Deepest mantle viscosity: Constraints from Earth rotation anomalies. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	23
126	Atmospheric susceptibility to wildfire occurrence during the Last Glacial Maximum and mid-Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 295, 76-88.	1.0	6



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127	Spatial variability of late Holocene and 20th century sea-level rise along the Atlantic coast of the United States. <i>Geology</i> , 2009, 37, 1115-1118.	2.0	164
128	Modeling of Polar Ocean Tides at the Last Glacial Maximum: Amplification, Sensitivity, and Climatological Implications. <i>Journal of Climate</i> , 2009, 22, 2905-2924.	1.2	75
129	Implications of Both Statistical Equilibrium and Global Warming Simulations with CCSM3. Part I: On the Decadal Variability in the North Pacific Basin. <i>Journal of Climate</i> , 2009, 22, 5277-5297.	1.2	19
130	Implications of Both Statistical Equilibrium and Global Warming Simulations with CCSM3. Part II: On the Multidecadal Variability in the North Atlantic Basin. <i>Journal of Climate</i> , 2009, 22, 5298-5318.	1.2	10
131	An unstructured C-grid based method for 3-D global ocean dynamics: Free-surface formulations and tidal test cases. <i>Ocean Modelling</i> , 2009, 28, 97-105.	1.0	14
132	Holocene sea-level changes along the North Carolina Coastline and their implications for glacial isostatic adjustment models. <i>Quaternary Science Reviews</i> , 2009, 28, 1725-1736.	1.4	75
133	Closure of the budget of global sea level rise over the GRACE era: the importance and magnitudes of the required corrections for global glacial isostatic adjustment. <i>Quaternary Science Reviews</i> , 2009, 28, 1658-1674.	1.4	132
134	On the origins of Earth rotation anomalies: New insights on the basis of both "paleogeodetic" data and Gravity Recovery and Climate Experiment (GRACE) data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
135	Relative sea-level change and postglacial isostatic adjustment along the coast of south Devon, United Kingdom. <i>Journal of Quaternary Science</i> , 2008, 23, 415-433.	1.1	28
136	Peltier & Liu reply. <i>Nature</i> , 2008, 456, E9-E10.	13.7	7
137	Climate Anomalies Induced by the Arctic and Antarctic Oscillations: Glacial Maximum and Present-Day Perspectives. <i>Journal of Climate</i> , 2008, 21, 459-475.	1.2	20
138	Dynamics of groundwater recharge and seepage over the Canadian landscape during the Wisconsinian glaciation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	120
139	Simulating the impact of glaciations on continental groundwater flow systems: 1. Relevant processes and model formulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
140	Simulating the impact of glaciations on continental groundwater flow systems: 2. Model application to the Wisconsinian glaciation over the Canadian landscape. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
141	Red Sea during the Last Glacial Maximum: Implications for sea level reconstruction. <i>Paleoceanography</i> , 2008, 23, .	3.0	51
142	Megatides in the Arctic Ocean under glacial conditions. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	51
143	Rheological stratification of the lithosphere: A direct inference based upon the geodetically observed pattern of the glacial isostatic adjustment of the North American continent. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	82
144	Rapid climate change and Arctic Ocean freshening: COMMENT and REPLY: REPLY. <i>Geology</i> , 2008, 36, e178-e178.	2.0	5

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145	History of Earth Rotation. , 2007, , 243-293.		15
146	Rapid climate change and Arctic Ocean freshening. <i>Geology</i> , 2007, 35, 1147.	2.0	17
147	Postglacial coastal evolution: Iceâ€œoceanâ€œsolid Earth interactions in a period of rapid climate change. , 2007, , .		8
148	On box models of the North Atlantic thermohaline circulation: Intrinsic and extrinsic millennial timescale variability in response to deterministic and stochastic forcing. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
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