

W Richard Peltier

List of Publications by Year in descending order

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papers

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332
times ranked

13617
citing authors

#	ARTICLE	IF	CITATIONS
1	GLOBAL GLACIAL ISOSTASY AND THE SURFACE OF THE ICE-AGE EARTH: The ICE-5G (VM2) Model and GRACE. Annual Review of Earth and Planetary Sciences, 2004, 32, 111-149.	11.0	2,340
2	An alternative astronomical calibration of the lower Pleistocene timescale based on ODP Site 677. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1990, 81, 251-261.	0.7	1,351
3	Ice Age Paleotopography. Science, 1994, 265, 195-201.	12.6	1,167
4	Space geodesy constrains ice age terminal deglaciation: The global ICE-6G_C (VM5a) model. Journal of Geophysical Research: Solid Earth, 2015, 120, 450-487.	3.4	890
5	Global glacial ice volume and Last Glacial Maximum duration from an extended Barbados sea level record. Quaternary Science Reviews, 2006, 25, 3322-3337.	3.0	842
6	Investigating the Causes of the Response of the Thermohaline Circulation to Past and Future Climate Changes. Journal of Climate, 2006, 19, 1365-1387.	3.2	829
7	The impulse response of a Maxwell Earth. Reviews of Geophysics, 1974, 12, 649-669.	23.0	702
8	ICE-3G: A new global model of Late Pleistocene deglaciation based upon geophysical predictions of postglacial relative sea level change. Journal of Geophysical Research, 1991, 96, 4497-4523.	3.3	667
9	Postglacial variations in the level of the sea: Implications for climate dynamics and solid-Earth geophysics. Reviews of Geophysics, 1998, 36, 603-689.	23.0	510
10	Glacial-Isostatic Adjustment-I. The Forward Problem. Geophysical Journal of the Royal Astronomical Society, 0, 46, 605-646.	0.2	425
11	Neoproterozoic "snowball Earth"™ simulations with a coupled climate/ice-sheet model. Nature, 2000, 405, 425-429.	27.8	409
12	Monsoon changes for 6000 years ago: Results of 18 simulations from the Paleoclimate Modeling Intercomparison Project (PMIP). Geophysical Research Letters, 1999, 26, 859-862.	4.0	374
13	Viscous gravitational relaxation. Geophysical Journal International, 1982, 70, 435-485.	2.4	366
14	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. Geophysical Journal International, 2014, 198, 537-563.	2.4	365
15	MIXING EFFICIENCY IN STRATIFIED SHEAR FLOWS. Annual Review of Fluid Mechanics, 2003, 35, 135-167.	25.0	351
16	Global Sea Level Rise and the Greenhouse Effect: Might They Be Connected?. Science, 1989, 244, 806-810.	12.6	301
17	On eustatic sea level history: Last Glacial Maximum to Holocene. Quaternary Science Reviews, 2002, 21, 377-396.	3.0	295
18	A data-calibrated distribution of deglacial chronologies for the North American ice complex from glaciological modeling. Earth and Planetary Science Letters, 2012, 315-316, 30-40.	4.4	279

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19	Arctic freshwater forcing of the Younger Dryas cold reversal. <i>Nature</i> , 2005, 435, 662-665.	27.8	274
20	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. <i>Climate Dynamics</i> , 2006, 26, 513-529.	3.8	240
21	Pleistocene deglaciation and the Earth's rotation: a new analysis. <i>Geophysical Journal International</i> , 1984, 76, 753-791.	2.4	234
22	Mantle Viscosity and Ice-Age Ice Sheet Topography. <i>Science</i> , 1996, 273, 1359-1364.	12.6	234
23	Comment on "An Assessment of the ICE6G_C (VM5a) Glacial Isostatic Adjustment Model" by Purcell et al.. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2019-2028.	3.4	232
24	High tide of the warm Pliocene: Implications of global sea level for Antarctic deglaciation. <i>Geology</i> , 2012, 40, 407-410.	4.4	230
25	Glacial-Isostatic Adjustment-II. The Inverse Problem. <i>Geophysical Journal of the Royal Astronomical Society</i> , 0, 46, 669-705.	0.2	227
26	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.	2.4	221
27	Greenland glacial history and local geodynamic consequences. <i>Geophysical Journal International</i> , 2002, 150, 198-229.	2.4	209
28	The anatomy of the mixing transition in homogeneous and stratified free shear layers. <i>Journal of Fluid Mechanics</i> , 2000, 413, 1-47.	3.4	195
29	The modern and glacial overturning circulation in the Atlantic ocean in PMIP coupled model simulations. <i>Climate of the Past</i> , 2007, 3, 51-64.	3.4	192
30	Glaciological reconstruction of the Laurentide Ice Sheet: physical processes and modelling challenges. <i>Canadian Journal of Earth Sciences</i> , 2000, 37, 769-793.	1.3	187
31	The onset of turbulence in finite-amplitude Kelvin-Helmholtz billows. <i>Journal of Fluid Mechanics</i> , 1985, 155, 1.	3.4	170
32	Last Glacial Maximum temperatures over the North Atlantic, Europe and western Siberia: a comparison between PMIP models, MARGO sea surface temperatures and pollen-based reconstructions. <i>Quaternary Science Reviews</i> , 2006, 25, 2082-2102.	3.0	170
33	The LAGEOS constraint on deep mantle viscosity: Results from a new normal mode method for the inversion of viscoelastic relaxation spectra. <i>Journal of Geophysical Research</i> , 1985, 90, 9411-9421.	3.3	165
34	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.	4.4	164
35	The PMIP4 contribution to CMIP6 " Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , 2018, 11, 1033-1057.	3.6	164
36	Glacial isostasy and relative sea level: A global finite element model. <i>Tectonophysics</i> , 1978, 50, 81-110.	2.2	160

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37	Pleistocene deglaciation and the Earth's rotation: implications for mantle viscosity. <i>Geophysical Journal International</i> , 1981, 66, 553-578.	2.4	160
38	Validation of the ICE-3G Model of Wisconsin Deglaciation using a global data base of relative sea level histories. <i>Journal of Geophysical Research</i> , 1992, 97, 3285-3304.	3.3	159
39	Quaternary marine terraces, sea-level changes and uplift history of Patagonia, Argentina: comparisons with predictions of the ICE-4G (VM2) model of the global process of glacial isostatic adjustment. <i>Quaternary Science Reviews</i> , 2000, 19, 1495-1525.	3.0	154
40	Dansgaard-Oeschger oscillations predicted in a comprehensive model of glacial climate: A salt oscillator in the Atlantic. <i>Geophysical Research Letters</i> , 2014, 41, 7306-7313.	4.0	151
41	Mantle phase transitions and layered chaotic convection. <i>Geophysical Research Letters</i> , 1992, 19, 321-324.	4.0	147
42	Impact of thermomechanical ice sheet coupling on a model of the 100 kyr ice age cycle. <i>Journal of Geophysical Research</i> , 1999, 104, 9517-9545.	3.3	142
43	The influence of stratification on secondary instability in free shear layers. <i>Journal of Fluid Mechanics</i> , 1991, 227, 71-106.	3.4	140
44	On the postglacial isostatic adjustment of the British Isles and the shallow viscoelastic structure of the Earth. <i>Geophysical Journal International</i> , 2002, 148, 443-475.	2.4	140
45	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.	3.6	137
46	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.	3.0	132
47	Greenland glacial history, borehole constraints, and Eemian extent. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	131
48	Global glacial isostatic adjustment: palaeogeodetic and space-geodetic tests of the ICE-4G (VM2) model. <i>Journal of Quaternary Science</i> , 2002, 17, 491-510.	2.1	126
49	On the reconstruction of palaeo-ice sheets: Recent advances and future challenges. <i>Quaternary Science Reviews</i> , 2015, 125, 15-49.	3.0	125
50	Drivers of Holocene sea-level change in the Caribbean. <i>Quaternary Science Reviews</i> , 2017, 155, 13-36.	3.0	124
51	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
52	Global sea level rise and glacial isostatic adjustment. <i>Global and Planetary Change</i> , 1999, 20, 93-123.	3.5	119
53	Mantle plumes and the thermal stability of the D ³ layer. <i>Geophysical Research Letters</i> , 1980, 7, 625-628.	4.0	118
54	Dynamic surface topography: A new interpretation based upon mantle flow models derived from seismic tomography. <i>Geophysical Research Letters</i> , 1993, 20, 225-228.	4.0	116

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55	Chapter 4 Global glacial isostatic adjustment and modern instrumental records of relative sea level history. <i>International Geophysics</i> , 2001, 75, 65-95.	0.6	116
56	A thermal history model for the Earth with parameterized convection. <i>Geophysical Journal International</i> , 1979, 59, 171-203.	2.4	112
57	On the hemispheric origins of meltwater pulse 1a. <i>Quaternary Science Reviews</i> , 2005, 24, 1655-1671.	3.0	110
58	Deglaciation-induced vertical motion of the North American continent and transient lower mantle rheology. <i>Journal of Geophysical Research</i> , 1986, 91, 9099-9123.	3.3	109
59	A calibrated deglacial drainage chronology for the North American continent: evidence of an Arctic trigger for the Younger Dryas. <i>Quaternary Science Reviews</i> , 2006, 25, 659-688.	3.0	107
60	Holocene Relative Sea-Level Changes from Near-, Intermediate-, and Far-Field Locations. <i>Current Climate Change Reports</i> , 2015, 1, 247-262.	8.6	107
61	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. <i>Climate of the Past</i> , 2021, 17, 1065-1089.	3.4	107
62	Snowball Earth prevention by dissolved organic carbon remineralization. <i>Nature</i> , 2007, 450, 813-818.	27.8	99
63	Holocene relative sea-level changes and glacial isostatic adjustment of the U.S. Atlantic coast. <i>Geology</i> , 2011, 39, 751-754.	4.4	99
64	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.	3.2	98
65	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. <i>Geoscientific Model Development</i> , 2015, 8, 3621-3637.	3.6	95
66	The Inference of Mantle Viscosity From an Inversion of the Fennoscandian Relaxation Spectrum. <i>Geophysical Journal International</i> , 1993, 114, 45-62.	2.4	94
67	Large-scale features and evaluation of the PMIP4-CMIP6 <i>Holocene</i> simulations. <i>Climate of the Past</i> , 2020, 16, 1847-1872.	3.4	94
68	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , 2020, 16, 2095-2123.	3.4	93
69	The role of transverse secondary instabilities in the evolution of free shear layers. <i>Journal of Fluid Mechanics</i> , 1989, 202, 367-402.	3.4	92
70	Terminating the 100 kyr ice age cycle. <i>Journal of Geophysical Research</i> , 1997, 102, 21665-21693.	3.3	92
71	Efficiency of turbulent mixing in the abyssal ocean circulation. <i>Geophysical Research Letters</i> , 2017, 44, 6296-6306.	4.0	89
72	Constraint on deep mantle viscosity from Lageos acceleration data. <i>Nature</i> , 1983, 304, 434-436.	27.8	88

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73	Late Pleistocene sea level variations derived from the Argentine Shelf. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	2.5	86
74	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.	3.6	84
75	On the Pacific Decadal Oscillation and the Atlantic Multidecadal Oscillation: Might they be related?. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	83
76	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, .	4.0	82
77	Diapycnal diffusivity, turbulent Prandtl number and mixing efficiency in Boussinesq stratified turbulence. <i>Journal of Fluid Mechanics</i> , 2015, 775, 464-500.	3.4	82
78	Deploying a Top-100 Supercomputer for Large Parallel Workloads. , 2019, , .		82
79	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.	3.4	81
80	Dansgaard-Oeschger Oscillations in a Coupled Atmosphere-Ocean Climate Model. <i>Journal of Climate</i> , 1997, 10, 949-970.	3.2	80
81	Simulations of continental ice sheet growth over the last glacial-interglacial cycle: Experiments with a one-level seasonal energy balance model including realistic geography. <i>Journal of Geophysical Research</i> , 1991, 96, 9189-9215.	3.3	79
82	Global sea level rise and glacial isostatic adjustment: An analysis of data from the East Coast of North America. <i>Geophysical Research Letters</i> , 1996, 23, 717-720.	4.0	79
83	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.	2.4	79
84	Glacial isostatic adjustment and Earth rotation: Refined constraints on the viscosity of the deepest mantle. <i>Journal of Geophysical Research</i> , 1996, 101, 3269-3290.	3.3	78
85	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.	3.0	76
86	A One-Dimensional Model of Continental Ice Volume Fluctuations through the Pleistocene: Implications for the Origin of the Mid-Pleistocene Climate Transition. <i>Journal of Climate</i> , 1991, 4, 318-344.	3.2	75
87	Far-Field Test of the ICE-4G Model of Global Isostatic Response to Deglaciation Using Empirical and Theoretical Holocene Sea-Level Reconstructions for the Fiji Islands, Southwestern Pacific. <i>Quaternary Research</i> , 2001, 55, 203-214.	1.7	75
88	Modeling of Polar Ocean Tides at the Last Glacial Maximum: Amplification, Sensitivity, and Climatological Implications. <i>Journal of Climate</i> , 2009, 22, 2905-2924.	3.2	75
89	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.	3.0	75
90	Sensitivity of glacial inception to orbital and greenhouse gas climate forcing. <i>Quaternary Science Reviews</i> , 2004, 23, 499-519.	3.0	74

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91	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.	3.4	72
92	Lithospheric Thickness, Antarctic Deglaciation History, and Ocean Basin Discretization Effects in a Global Model Of Postglacial Sea Level Change: a Summary of Some Sources of Nonuniqueness. <i>Quaternary Research</i> , 1988, 29, 93-112.	1.7	71
93	CO ₂ levels required for deglaciation of a "near-snowball" Earth. <i>Geophysical Research Letters</i> , 2001, 28, 283-286.	4.0	71
94	The climate of the Earth at Last Glacial Maximum: statistical equilibrium state and a mode of internal variability. <i>Quaternary Science Reviews</i> , 2004, 23, 335-357.	3.0	70
95	Three-dimensional primary instabilities of a stratified, dissipative, parallel flow. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1990, 52, 249-261.	1.2	69
96	Mid-Holocene NAO: A PMIP2 model intercomparison. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	69
97	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
98	Nonlinear mountain waves in two and three spatial dimensions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1983, 109, 527-548.	2.7	68
99	Finite amplitude Holmboe waves. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1988, 43, 181-222.	1.2	68
100	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.	3.4	67
101	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, , .	2.4	65
102	New Icosahedral Grid-Point Discretizations of the Shallow Water Equations on the Sphere. <i>Journal of Computational Physics</i> , 1999, 148, 23-58.	3.8	64
103	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.	3.4	64
104	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.	3.4	64
105	Secular sea level change in the Russian sector of the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	63
106	Comparison of North-American pollen-based temperature and global lake-status with CCCma AGCM2 output at 6ka. <i>Quaternary Science Reviews</i> , 2004, 23, 225-244.	3.0	62
107	New constraints on transient lower mantle rheology and internal mantle buoyancy from glacial rebound data. <i>Nature</i> , 1985, 318, 614-617.	27.8	61
108	The Initiation of Modern "Soft Snowball" and "Hard Snowball" Climates in CCSM3. Part I: The Influences of Solar Luminosity, CO ₂ Concentration, and the Sea Ice/Snow Albedo Parameterization. <i>Journal of Climate</i> , 2012, 25, 2711-2736.	3.2	61

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109	Inferences of mantle viscosity from tectonic plate velocities. <i>Geophysical Research Letters</i> , 1991, 18, 1747-1750.	4.0	59
110	Turbulent mixing due to the Holmboe wave instability at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2016, 803, 591-621.	3.4	59
111	Three dimensionalization of the stratified mixing layer. <i>Physics of Fluids</i> , 1994, 6, 3803-3805.	4.0	58
112	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.	2.4	58
113	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.	3.4	56
114	Heat transfer and the onset of chaos in a spherical, axisymmetric, anelastic model of whole mantle convection. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1990, 53, 205-255.	1.2	55
115	Late Pleistocene Ice Age Scenarios Based on Observational Evidence. <i>Journal of Climate</i> , 1993, 6, 709-727.	3.2	55
116	Impact of a modified convective scheme on the Madden-Julian Oscillation and El Niño/Southern Oscillation in a coupled climate model. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	54
117	Earth's gravitational field: Seismic tomography resolves the enigma of the Laurentian Anomaly. <i>Geophysical Research Letters</i> , 1992, 19, 1555-1558.	4.0	53
118	Mantle viscosity from the simultaneous inversion of multiple data sets pertaining to postglacial rebound. <i>Geophysical Research Letters</i> , 1996, 23, 503-506.	4.0	53
119	Lessons from a high-CO ₂ world: an ocean view from 1/4 million years ago. <i>Climate of the Past</i> , 2020, 16, 1599-1615.	3.4	52
120	Glacial isostatic adjustment observed using very long baseline interferometry and satellite laser ranging geodesy. <i>Journal of Geophysical Research</i> , 1999, 104, 29077-29093.	3.3	51
121	Red Sea during the Last Glacial Maximum: Implications for sea level reconstruction. <i>Paleoceanography</i> , 2008, 23, .	3.0	51
122	Megatides in the Arctic Ocean under glacial conditions. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	51
123	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.	3.2	51
124	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.	4.0	51
125	The Pangean ice age: studies with a coupled climate-ice sheet model. <i>Climate Dynamics</i> , 1999, 15, 619-629.	3.8	49
126	Climate change impacts on Great Lakes Basin precipitation extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,799-10,812.	3.3	49

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127	A simple model of the Atlantic thermohaline circulation: Internal and forced variability with paleoclimatological implications. <i>Journal of Geophysical Research</i> , 1995, 100, 13455.	3.3	46
128	“Implicit ice” in the global theory of glacial isostatic adjustment. <i>Geophysical Research Letters</i> , 1998, 25, 3955-3958.	4.0	46
129	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
130	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
131	A new characterization of the turbulent diapycnal diffusivities of mass and momentum in the ocean. <i>Geophysical Research Letters</i> , 2016, 43, 3370-3379.	4.0	46
132	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.	4.2	46
133	Whole mantle convection and the thermal evolution of the earth. <i>Physics of the Earth and Planetary Interiors</i> , 1982, 29, 281-304.	1.9	45
134	Atlantic meridional overturning and climate response to Arctic Ocean freshening. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	45
135	Coevolution of continental ice cover and permafrost extent over the last glacial-interglacial cycle in North America. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	45
136	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.	2.1	45
137	A high-resolution study of tides in the Delaware Bay: Past conditions and future scenarios. <i>Geophysical Research Letters</i> , 2013, 40, 338-342.	4.0	45
138	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.	3.4	45
139	VLBI baseline variations from the Ice-4G Model of postglacial rebound. <i>Geophysical Research Letters</i> , 1995, 22, 465-468.	4.0	43
140	Role of overturns in optimal mixing in stratified mixing layers. <i>Journal of Fluid Mechanics</i> , 2017, 826, 522-552.	3.4	43
141	Postglacial relative sea-level histories along the eastern Canadian coastline. <i>Quaternary Science Reviews</i> , 2018, 201, 124-146.	3.0	43
142	On the resonant generation of large-amplitude internal solitary and solitary-like waves. <i>Journal of Fluid Mechanics</i> , 2005, 543, 267.	3.4	42
143	The inverse problem for mantle viscosity. <i>Inverse Problems</i> , 1998, 14, 441-478.	2.0	40
144	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.	8.6	40

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145	On breaking internal waves over the sill in Knight Inlet. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 2799-2825.	2.1	39
146	A robust unstructured grid discretization for 3-dimensional hydrostatic flows in spherical geometry: A new numerical structure for ocean general circulation modeling. Journal of Computational Physics, 2006, 213, 704-729.	3.8	39
147	Last Glacial Maximum ice sheet impacts on North Atlantic climate variability: The importance of the sea ice lid. Geophysical Research Letters, 2013, 40, 6378-6383.	4.0	39
148	Influence of Enhanced Abyssal Diapycnal Mixing on Stratification and the Ocean Overturning Circulation. Journal of Physical Oceanography, 2015, 45, 2580-2597.	1.7	39
149	Fast Physics and Slow Physics in the Nonlinear Dansgaard-Oeschger Relaxation Oscillation. Journal of Climate, 2018, 31, 3423-3449.	3.2	39
150	The effect of prandtl number on the evolution and stability of Kelvin-Helmholtz billows. Geophysical and Astrophysical Fluid Dynamics, 1985, 32, 23-60.	1.2	38
151	Simulating the impact of glaciations on continental groundwater flow systems: 2. Model application to the Wisconsinian glaciation over the Canadian landscape. Journal of Geophysical Research, 2008, 113, .	3.3	38
152	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. Quaternary Science Reviews, 2011, 30, 3032-3042.	3.0	38
153	The initiation of modern soft and hard Snowball Earth climates in CCSM4. Climate of the Past, 2012, 8, 907-918.	3.4	38
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