Philip C England

List of Publications by Year
in descending order

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121 papers	20,244 citations	13827 67 h-index	18606 119 g-index
124 all docs	124 docs citations	124 times ranked	9036 citing authors

#	Article	IF	Citations
1	Mantle dynamics, uplift of the Tibetan Plateau, and the Indian Monsoon. Reviews of Geophysics, 1993, 31, 357.	9.0	1,633
2	Pressure--Temperature--Time Paths of Regional Metamorphism I. Heat Transfer during the Evolution of Regions of Thickened Continental Crust. Journal of Petrology, 1984, 25, 894-928.	1.1	1,607
3	Late Cenozoic uplift of mountain ranges and global climate change: chicken or egg?. Nature, 1990, 346, 29-34.	13.7	1,278
4	Finite strain calculations of continental deformation: 2. Comparison with the Indiaâ€Asia Collision Zone. Journal of Geophysical Research, 1986, 91, 3664-3676.	3.3	903
5	Extension during continental convergence, with application to the Tibetan Plateau. Journal of Geophysical Research, 1989, 94, 17561-17579.	3.3	861
6	A thin viscous sheet model for continental deformation. Geophysical Journal International, 1982, 70, 295-321.	1.0	739
7	Surface uplift, uplift of rocks, and exhumation of rocks. Geology, 1990, 18, 1173.	2.0	701
8	Pressure--Temperature--Time Paths of Regional Metamorphism II. Their Inference and Interpretation using Mineral Assemblages in Metamorphic Rocks. Journal of Petrology, 1984, 25, 929-955.	1.1	592
9	The influence of erosion upon the mineral fades of rocks from different metamorphic environments. Journal of the Geological Society, 1977, 134, 201-213.	0.9	555
10	Active Deformation of Asia: From Kinematics to Dynamics. Science, 1997, 278, 647-650.	6.0	429
11	Plateau â€˜pop-upâ€™ in the great 1897 Assam earthquake. Nature, 2001, 410, 806-809.	13.7	426
12	Temperatures, heat flux, and frictional stress near major thrust faults. Journal of Geophysical Research, 1990, 95, 4833-4856.	3.3	349
13	Crustal thickening versus lateral expulsion in the Indianâ€Asian continental collision. Journal of Geophysical Research, 1993, 98, 12233-12249.	3.3	325
14	Finite strain calculations of continental deformation: 1. Method and general results for convergent zones. Journal of Geophysical Research, 1986, 91, 3651-3663.	3.3	317
15	InSAR Observations of Low Slip Rates on the Major Faults of Western Tibet. Science, 2004, 305, 236-239.	6.0	305
16	Right-lateral shear and rotation as the explanation for strike-slip faulting in eastern Tibet. Nature, 1990, 344, 140-142.	13.7	267
17	Eastern Mediterranean tectonics and tsunami hazard inferred from the ADÂ365 earthquake. Nature Geoscience, 2008, 1, 268-276.	5.4	225
18	The field of crustal velocity in Asia calculated from Quaternary rates of slip on faults. Geophysical Journal International, 1997, 130, 551-582.	1.0	223

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19	Constraints on extension of continental lithosphere. Journal of Geophysical Research, 1983, 88, 1145-1152.	3.3	207
20	Systematic variation in the depths of slabs beneath arc volcanoes. Geophysical Journal International, 2004, 156, 377-408.	1.0	202
21	A dynamical model of lithosphere extension and sedimentary basin formation. Journal of Geophysical Research, 1986, 91, 719-729.	3.3	189
22	Role of lithospheric strength heterogeneities in the tectonics of Tibet and neighbouring regions. Nature, 1985, 315, 297-301.	13.7	188
23	Crustal strain in central Greece from repeated GPS measurements in the interval 1989-1997. Geophysical Journal International, 1998, 135, 195-214.	1.0	188
24	The motion of crustal blocks driven by flow of the lower lithosphere and implications for slip rates of continental strike-slip faults. Nature, 1998, 391, 655-659.	13.7	185
25	Length scales for continental deformation in convergent, divergent, and strikeâ€slip Environments: Analytical and approximate solutions for a thin viscous sheet model. Journal of Geophysical Research, 1985, 90, 3551-3557.	3.3	184
26	Vertical averages of rheology of the continental lithosphere: relation to thin sheet parameters. Earth and Planetary Science Letters, 1986, 77, 81-90.	1.8	183
27	Fluid Flow in Chondritic Parent Bodies: Deciphering the Compositions of Planetesimals. Science, 1999, 286, 1331-1335.	6.0	178
28	The 2009 L'Aquila earthquake (central Italy): A source mechanism and implications for seismic hazard. Geophysical Research Letters, 2009, 36, .	1.5	174
29	The Cretaceousâ€tertiary deformation of the Lhasa Block and its implications for crustal thickening in Tibet. Tectonics, 1986, 5, 1-14.	1.3	173
30	Seismic strain rates in regions of distributed continental deformation. Journal of Geophysical Research, 1989, 94, 10231-10257.	3.3	172
31	Geodetic determination of tectonic deformation in central Greece from 1900 to 1988. Nature, 1991, 350, 124-129.	13.7	172
32	Thermal regimes and regional metamorphism in the vicinity of overthrust faults: an example of shear heating and inverted metamorphic zonation from southern California. Earth and Planetary Science Letters, 1976, 31, 142-152.	1.8	170
33	Correction to: a thin viscous sheet model for continental deformation. Geophysical Journal International, 1983, 73, 523-532.	1.0	170
34	Heat sources for Tertiary metamorphism and anatexis in the Annapurnaâ€Manaslu Region central Nepal. Journal of Geophysical Research, 1992, 97, 2107-2128.	3.3	166
35	Late Quaternary to decadal velocity fields in Asia. Journal of Geophysical Research, 2005, 110, .	3.3	166
36	Archimedes and the Tauern eclogites: the role of buoyancy in the preservation of exotic eclogite blocks. Earth and Planetary Science Letters, 1979, 44, 287-294.	1.8	165

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37	Melting above the anhydrous solidus controls the location of volcanic arcs. Nature, 2010, 467, 700-703.	13.7	163
38	Some thermal and tectonic models for crustal melting in continental collision zones. Geological Society Special Publication, 1986, 19, 83-94.	0.8	157
39	Crustal deformation during 1994-1998 due to oblique continental collision in the central Southern Alps, New Zealand, and implications for seismic potential of the Alpine fault. Journal of Geophysical Research, 1999, 104, 25233-25255.	3.3	151
40	Active Deformation of the Continents. Annual Review of Earth and Planetary Sciences, 1989, 17, 197-226.	4.6	149
41	Deformation of western Turkey from a combination of permanent and campaign GPS data: Limits to blockâ€like behavior. Journal of Geophysical Research, 2009, 114, .	3.3	148
42	Extension on the Tibetan plateau: recent normal faulting measured by InSAR and body wave seismology. Geophysical Journal International, 2010, 183, 503-535.	1.0	146
43	Source parameters of the 1 October 1995 Dinar (Turkey) earthquake from SAR interferometry and seismic bodywave modelling. Earth and Planetary Science Letters, 1999, 172, 23-37.	1.8	144
44	A new velocity field for Greece: Implications for the kinematics and dynamics of the Aegean. Journal of Geophysical Research, 2010, 115, .	3.3	144
45	The interpretation of inverted metamorphic isograds using simple physical calculations. Tectonics, 1993, 12, 145-157.	1.3	140
46	A physical model for Cenozoic extension of western North America. Geological Society Special Publication, 1987, 28, 187-201.	0.8	133
47	Continental Thermal and Tectonic Regimes during the Archaean. Journal of Geology, 1984, 92, 353-367.	0.7	132
48	Geodetic strain of Greece in the interval 1892-1992. Journal of Geophysical Research, 1997, 102, 24571-24588.	3.3	128
49	Geodetic strain in peninsular Italy between 1875 and 2001. Geophysical Research Letters, 2003, 30, .	1.5	127
50	Evolution of Santorini Volcano dominated by episodic and rapid fluxes of melt from depth. Nature Geoscience, 2012, 5, 749-754.	5.4	127
51	Effects of a temperatureâ€dependent rheology on largeâ€scale continental extension. Journal of Geophysical Research, 1989, 94, 7603-7619.	3.3	125
52	Metamorphic consequences of crustal eclogite production in overthrust orogenic zones. Earth and Planetary Science Letters, 1979, 42, 183-190.	1.8	119
53	Tectonomagmatic evolution of Cenozoic extension in the North American Cordillera. Geological Society Special Publication, 1987, 28, 203-221.	0.8	109
54	Mantle dynamics, isostasy, and the support of high terrain. Journal of Geophysical Research: Solid Earth, 2015, 120, 1932-1957.	1.4	105

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55	Uncharted seismic risk. Nature Geoscience, 2011, 4, 348-349.	5.4	103
56	Slip in the 2010â€“2011 Canterbury earthquakes, New Zealand. Journal of Geophysical Research, 2012, 117, .	3.3	103
57	Geodetic estimate of seismic hazard in the Gulf of Korinthos. Geophysical Research Letters, 1997, 24, 1303-1306.	1.5	94
58	Some thermal considerations of the alpine metamorphismâ€”past, present and future. Tectonophysics, 1978, 46, 21-40.	0.9	92
59	Some consequences of the subduction of young slabs. Earth and Planetary Science Letters, 1980, 47, 403-415.	1.8	89
60	Continuum calculations of continental deformation in transcurrent environments. Journal of Geophysical Research, 1986, 91, 4797-4810.	3.3	82
61	Crustal deformation of the Marlborough Fault Zone in the South Island of New Zealand: Geodetic constraints over the interval 1982-1994. Journal of Geophysical Research, 1998, 103, 30147-30165.	3.3	81
62	Geodetic investigation of the 13 May 1995 Kozani-Grevena (Greece) Earthquake. Geophysical Research Letters, 1997, 24, 707-710.	1.5	80
63	Constraints from GPS measurements on the dynamics of deformation in Anatolia and the Aegean. Journal of Geophysical Research: Solid Earth, 2016, 121, 8888-8916.	1.4	76
64	Hydration, 18O enrichment and oxidation during ocean floor hydrothermal metamorphism of ophiolitic metabasic rocks from E. Liguria, Italy. Geochimica Et Cosmochimica Acta, 1977, 41, 857-871.	1.6	75
65	On the inference of denudation rates from cooling ages of minerals. Earth and Planetary Science Letters, 2001, 185, 265-284.	1.8	74
66	Temperatures in zones of steady-state underthrusting of young oceanic lithosphere. Earth and Planetary Science Letters, 1995, 131, 57-70.	1.8	71
67	A preliminary thermal model for regional metamorphism in the Eastern Alps. Earth and Planetary Science Letters, 1975, 26, 13-28.	1.8	70
68	Heat refraction and heat production in and around granite plutons in north-east England. Geophysical Journal International, 1980, 62, 439-455.	1.0	68
69	A continuum model of continental deformation above subduction zones: Application to the Andes and the Aegean. Journal of Geophysical Research, 1989, 94, 10331-10346.	3.3	67
70	Neogene rotations and quasicontinuous deformation of the Pacific Northwest continental margin. Geology, 1991, 19, 978.	2.0	66
71	Convective removal of thermal boundary layer of thickened continental lithosphere: A brief summary of causes and consequences with special reference to the Cenozoic tectonics of the Tibetan Plateau and surrounding regions. Tectonophysics, 1993, 223, 67-73.	0.9	65
72	Erosion and the age dependence of continental heat flow. Geophysical Journal International, 1980, 62, 421-437.	1.0	64

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73	A simple analytical approximation to the temperature structure in subduction zones. Geophysical Journal International, 2004, 159, 1138-1154.	1.0	63
74	John Perry's neglected critique of Kelvin's age for the Earth: A missed opportunity in geodynamics. GSA Today, 2007, 17, 4.	1.1	63
75	Ductile shear zones beneath strike-slip faults: Implications for the thermomechanics of the San Andreas Fault Zone. Journal of Geophysical Research, 1998, 103, 891-905.	3.3	60
76	Lateral variation in the structure of the upper mantle beneath Eurasia. Geophysical Journal International, 1977, 48, 71-79.	1.0	55
77	A comparison of the upper-mantle structure beneath Eurasia and the North Atlantic and Arctic Oceans. Geophysical Journal International, 1978, 54, 575-585.	1.0	53
78	Comparison of shear wave splitting and finite strain from the India-Asia collision zone. Journal of Geophysical Research, 1997, 102, 27511-27522.	3.3	45
79	The Shillong Plateau and the great 1897 Assam earthquake. Tectonics, 2015, 34, 1792-1812.	1.3	45
80	A bound on the viscosity of the Tibetan crust from the horizontality of palaeolake shorelines. Earth and Planetary Science Letters, 2013, 375, 44-56.	1.8	44
81	On the geodynamic setting of kimberlite genesis. Earth and Planetary Science Letters, 1984, 67, 109-122.	1.8	43
82	Metamorphic pressure estimates and sediment volumes for the Alpine orogeny: an independent control on geobarometers?. Earth and Planetary Science Letters, 1981, 56, 387-397.	1.8	37
83	Relation between surface velocity field and shear wave splitting in the South Island of New Zealand. Journal of Geophysical Research, 2002, 107, ETG 5-1-ETG 5-7.	3.3	36
84	On Shear Stresses, Temperatures, and the Maximum Magnitudes of Earthquakes at Convergent Plate Boundaries. Journal of Geophysical Research: Solid Earth, 2018, 123, 7165-7202.	1.4	35
85	The Acadian Thermal History of the Merrimack Synclinorium in New Hampshire. Journal of Geology, 1985, 93, 593-602.	0.7	35
86	The use of a resemblance function in the measurement of climatic parameters from the physiognomy of woody dicotyledons. Palaeogeography, Palaeoclimatology, Palaeoecology, 1997, 131, 15-28.	1.0	33
87	Migration of the seismic-aseismic transition during uniform and nonuniform extension of the continental lithosphere. Geology, 1987, 15, 291.	2.0	30
88	Gravitational potential energy and active deformation in the Apennines. Earth and Planetary Science Letters, 2014, 397, 121-132.	1.8	30
89	Palaeobotanical investigation of early tertiary palaeoelevations in northeastern Nevada: initial results. Review of Palaeobotany and Palynology, 1994, 81, 1-10.	0.8	29
90	Rheology of the lithosphere beneath the central and western Tien Shan. Journal of Geophysical Research: Solid Earth, 2015, 120, 3803-3823.	1.4	29

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91	Cause and effect among thrust and normal faulting, anatectic melting and exhumation in the Himalaya. Geological Society Special Publication, 1993, 74, 401-411.	0.8	28
92	Palaeotsunamis and tsunami hazards in the Eastern Mediterranean. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140374.	1.6	28
93	Shear heating at the Olympos (Greece) thrust and the deformation properties of carbonates at geological strain rates. Bulletin of the Geological Society of America, 1979, 90, 483.	1.6	27
94	Palaeo-altimetry of Tibet. Nature, 2006, 444, E4-E4.	13.7	27
95	Radiometric dates of uplifted marine fauna in Greece: Implications for the interpretation of recent earthquake and tectonic histories using lithophagid dates. Earth and Planetary Science Letters, 2010, 297, 395-404.	1.8	26
96	Continental geotherms during the Archaean. Nature, 1979, 277, 556-558.	13.7	22
97	Comment [on â€œBrittle failure in the upper mantle during extension of continental lithosphereâ€•by Dale S. Sawyer]. Journal of Geophysical Research, 1986, 91, 10487-10490.	3.3	22
98	An upper bound on the rate of strain in the Central Apennines, Italy, from triangulation measurements between 1869 and 1963. Earth and Planetary Science Letters, 1999, 169, 261-267.	1.8	21
99	Geomorphology and Paleoseismology of the Weinan Fault, Shaanxi, Central China, and the Source of the 1556 Huaxian Earthquake. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017848.	1.4	21
100	The 2008 Methoni earthquake sequence: the relationship between the earthquake cycle on the subduction interface and coastal uplift in SW Greece. Geophysical Journal International, 2017, 208, 1592-1610.	1.0	19
101	Late Holocene uplift of Rhodes, Greece: evidence for a large tsunamigenic earthquake and the implications for the tectonics of the eastern Hellenic Trench System. Geophysical Journal International, 2015, 203, 459-474.	1.0	16
102	A physical model for the motion of the Sierra Block relative to North America. Earth and Planetary Science Letters, 2005, 237, 590-600.	1.8	13
103	Constraints from GPS measurements on the dynamics of the zone of convergence between Arabia and Eurasia. Journal of Geophysical Research: Solid Earth, 2017, 122, 1470-1495.	1.4	12
104	The effect of erosion on palaeoclimatic and topographic corrections to heat flow. Earth and Planetary Science Letters, 1978, 39, 427-434.	1.8	11
105	Preliminary estimate of Holocene slip rate on active normal faults bounding the southern coast of the Gulf of Evia, central Greece. , 2010, 6, 583-593.		11
106	The mountains will flow. Nature, 1996, 381, 23-24.	13.7	10
107	Global systematics of arc volcano position. Nature, 2010, 468, E6-E7.	13.7	10
108	Climate and landscape response. Nature, 1992, 355, 306-306.	13.7	7

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109	Local and regional components of western Aegean deformation extracted from 100 years of geodetic displacement measurements. Geophysical Journal International, 1997, 130, 623-639.	1.0	6
110	The travel time of P seismic waves in Europe and Western Russia. Geophysical Journal International, 1977, 48, 63-70.	1.0	5
111	Comments and Replies on "Surface uplift, uplift of rocks, and exhumation of rocks". Geology, 1991, 19, 1051.	2.0	5
112	Comment on: â€œCrustal strength in central Tibet determined from Holocene shoreline deflection around Siling Coâ€•by Xuhua Shi, Eric Kirby, Kevin P. Furlong, Kai Meng, Ruth Robinson and Erchie Wang. Earth and Planetary Science Letters, 2016, 433, 393-395.	1.8	5
113	Creating an earthquake scenario in China: A case study in Weinan City, Shaanxi province. International Journal of Disaster Risk Reduction, 2020, 42, 101305.	1.8	5
114	The Global Range of Temperatures on Convergent Plate Interfaces. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009849.	1.0	5
115	Reply [to â€œComment on â€˜Geodetic investigation of the 13 May Kozani-Grevena (Greece) Earthquakeâ€™ by Clarke et al.â€]. Geophysical Research Letters, 1998, 25, 131-133.	1.5	4
116	Heat flow and the deep structure of the continents. Nature, 1980, 285, 611-612.	13.7	3
117	An interdisciplinary approach to studying seismic hazard throughout Greece. International Association of Geodesy Symposia, 2000, , 279-284.	0.2	3
118	The Ideal-Body Concept in Interpretation of the Oslo Rift Gravity Data and their Correlation with Seismic Observations. , 1978, , 313-327.		2
119	John Perry's neglected critique of Kelvin's age for the Earth: A missed opportunity in geodynamics: REPLY. GSA Today, 2007, 17, 11.	1.1	2
120	Plate tectonics: Deformation of continents. Nature, 1986, 320, 399-400.	13.7	1
121	GEODETIC MEASUREMENTS IN THE AEGEAN SEA REGION FOR THE DETECTION OF CRUSTAL DEFORMATION. , 2006, , 287-304.		1