

John C Vandecar

List of Publications by Year in descending order

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17
papers

1,526
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1241
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic structure of the Iceland mantle plume. <i>Nature</i> , 1997, 385, 245-247.	27.8	448
2	Seismic evidence for a fossil mantle plume beneath South America and implications for plate driving forces. <i>Nature</i> , 1995, 378, 25-31.	27.8	258
3	Upper mantle seismic velocity structure beneath Tanzania, east Africa: Implications for the stability of cratonic lithosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 21201-21213.	3.3	158
4	Upper mantle P-wave speed variations beneath Ethiopia and the origin of the Afar hotspot. <i>Geology</i> , 2006, 34, 329.	4.4	114
5	Seismological detection of a mantle plume?. <i>Nature</i> , 1993, 364, 115-120.	27.8	108
6	Obtaining smooth solutions to large, linear, inverse problems. <i>Geophysics</i> , 1994, 59, 818-829.	2.6	65
7	P and S velocity structure of the upper mantle beneath the Transantarctic Mountains, East Antarctic craton, and Ross Sea from travel time tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	61
8	Seismic imaging of a hot upwelling beneath the British Isles. <i>Geology</i> , 2005, 33, 345.	4.4	58
9	Subduction of the Chile Ridge: Upper mantle structure and flow. <i>GSA Today</i> , 2010, , 4-10.	2.0	57
10	Upper mantle P wave velocity structure and transition zone thickness beneath the Arabian Shield. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	55
11	Implications of spatial and temporal development of the aftershock sequence for the Mw8.3 June 9, 1994 Deep Bolivian Earthquake. <i>Geophysical Research Letters</i> , 1995, 22, 2269-2272.	4.0	36
12	Inversion of body-wave delay times for mantle structure beneath the Hawaiian islands: results from the PELENET experiment. <i>Earth and Planetary Science Letters</i> , 2002, 198, 129-145.	4.4	29
13	Crustal structure beneath the Blue Mountains terranes and cratonic North America, eastern Oregon, and Idaho, from teleseismic receiver functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5049-5067.	3.4	26
14	Assessing the depth resolution of tomographic models of upper mantle structure beneath Iceland. <i>Geophysical Research Letters</i> , 2002, 29, 1.	4.0	25
15	Three dimensional images of the Kamchatka-Pacific Plate cusp. <i>Geophysical Monograph Series</i> , 2007, , 65-75.	0.1	12
16	Triggered seismic activity in the Liquiñe-Ofqui fault zone, southern Chile, during the 2007 Aysen seismic swarm. <i>Geophysical Journal International</i> , 2011, 184, 1317-1326.	2.4	12
17	Crustal Shear Wave Velocity Structure of Central Idaho and Eastern Oregon From Ambient Seismic Noise: Results From the IDOR Project. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1601-1625.	3.4	4