

# John C Vandecar

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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         |
| 2  | 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        |
| 3  | 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        |
| 4  | Subduction of the Chile Ridge: Upper mantle structure and flow. <i>GSA Today</i> , 2010, , 4-10.  | 2.0  | 57        |
| 5  | Three dimensional images of the Kamchatka-Pacific Plate cusp. <i>Geophysical Monograph Series</i> , 2007, , 65-75.  | 0.1  | 12        |
| 6  | Upper mantle P-wave speed variations beneath Ethiopia and the origin of the Afar hotspot. <i>Geology</i> , 2006, 34, 329.   | 4.4  | 114       |
| 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  | 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        |
| 10 | 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        |
| 11 | Assessing the depth resolution of tomographic models of upper mantle structure beneath Iceland. <i>Geophysical Research Letters</i> , 2002, 29, 1.  | 4.0  | 25        |
| 12 | 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       |
| 13 | Seismic structure of the Iceland mantle plume. <i>Nature</i> , 1997, 385, 245-247.  | 27.8 | 448       |
| 14 | 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       |
| 15 | 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        |
| 16 | Obtaining smooth solutions to large, linear, inverse problems. <i>Geophysics</i> , 1994, 59, 818-829.   | 2.6  | 65        |
| 17 | Seismological detection of a mantle plume?. <i>Nature</i> , 1993, 364, 115-120.   | 27.8 | 108       |