

# Gary D Egbert

## List of Publications by Year in descending order

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150  
papers

14,596  
citations

41339

49  
h-index

19188

118  
g-index

151  
all docs

151  
docs citations

151  
times ranked

7609  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | An efficient multigrid solver based on a four-color cell-block Gauss-Seidel smoother for 3D magnetotelluric forward modeling. <i>Geophysics</i> , 2022, 87, E121-E133.  | 2.6  | 17        |
| 2  | Baroclinic Tidal Energetics Inferred from Satellite Altimetry. <i>Journal of Physical Oceanography</i> , 2022, 52, 1015-1032.   | 1.7  | 6         |
| 3  | Fluid transport and storage in the Cascadia forearc influenced by overriding plate lithology. <i>Nature Geoscience</i> , 2022, 15, 677-682.   | 12.9 | 13        |
| 4  | Accuracy assessment of global internal-tide models using satellite altimetry. <i>Ocean Science</i> , 2021, 17, 147-180.   | 3.4  | 28        |
| 5  | Magnetotelluric Data Processing. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 1036-1042.  | 0.1  | 0         |
| 6  | 3-D time-domain electromagnetic modeling based on multi-resolution grid with application to geomagnetically induced currents. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 312, 106651.                                    | 1.9  | 5         |
| 7  | Electrical conductivity of the lithosphere-asthenosphere system. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 313, 106661.   | 1.9  | 10        |
| 8  | A Comparison Study of Explicit and Implicit 3-D Transient Electromagnetic Forward Modeling Schemes on Multi-Resolution Grid. <i>Geosciences (Switzerland)</i> , 2021, 11, 257.  | 2.2  | 1         |
| 9  | The problematic $<i>\hat{r}</i>1$ ocean tide. <i>Geophysical Journal International</i> , 2021, 227, 1181-1192.  | 2.4  | 3         |
| 10 | Modelling diurnal variation magnetic fields due to ionospheric currents. <i>Geophysical Journal International</i> , 2021, 225, 1086-1109.   | 2.4  | 12        |
| 11 | Electrical resistivity imaging of continental United States from three-dimensional inversion of EarthScope USArray magnetotelluric data. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117244.                                  | 4.4  | 17        |
| 12 | An Approach to Empirical Mapping of Incoherent Internal Tides With Altimetry Data. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095863.   | 4.0  | 6         |
| 13 | An Efficient Preconditioner for 3-D Finite Difference Modeling of the Electromagnetic Diffusion Process in the Frequency Domain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 500-509.                           | 6.3  | 21        |
| 14 | 3-D DC Resistivity Forward Modeling Using the Multi-resolution Grid. <i>Pure and Applied Geophysics</i> , 2020, 177, 2803-2819.   | 1.9  | 8         |
| 15 | Modular finite volume approach for 3D magnetotelluric modeling of the Earth medium with general anisotropy. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 309, 106585.  | 1.9  | 14        |
| 16 | Array analysis of magnetic and electric field observatories in China: estimation of magnetotelluric impedances at very long periods. <i>Geophysical Journal International</i> , 2020, 222, 305-326.                                       | 2.4  | 2         |
| 17 | â€œMagnetotelluric Imaging of the Easternmost Kunlun Fault: Insights Into Strain Partitioning and the Seismotectonics of the Jiuzhaigou Ms7.0 Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019731. | 3.4  | 27        |
| 18 | Magnetotelluric Data Processing. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-7.  | 0.1  | 0         |

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|----|--|-----|-----------|
| 19 | Constraints on the resistivity of the oceanic lithosphere and asthenosphere from seafloor ocean tidal electromagnetic measurements. <i>Geophysical Journal International</i> , 2019, 219, 464-478.   | 2.4 | 9         |
| 20 | Insights Into Intraplate Stresses and Geomorphology in the Southeastern United States. <i>Geophysical Research Letters</i> , 2019, 46, 8711-8720.  | 4.0 | 8         |
| 21 | The Missouri High-Conductivity Belt, revealed by magnetotelluric imaging: Evidence of a trans-lithospheric shear zone beneath the Ozark Plateau, Midcontinent USA?. <i>Tectonophysics</i> , 2019, 753, 111-123.  | 2.2 | 17        |
| 22 | Synthesizing Seemingly Contradictory Seismic and Magnetotelluric Observations in the Southeastern United States to Image Physical Properties of the Lithosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2606-2625.                                | 2.5 | 10        |
| 23 | A block rational Krylov method for 3-D time-domain marine controlled-source electromagnetic modelling. <i>Geophysical Journal International</i> , 2019, 218, 100-114.  | 2.4 | 19        |
| 24 | Corrections to “An Efficient Preconditioner for 3D Finite Difference Modeling of the Electromagnetic Diffusion Process in the Frequency Domain” [DOI: 10.1109/TGRS.2019.2937742]. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9512-9512. | 6.3 | 0         |
| 25 | 3-D DC resistivity modeling and inversion using multi-resolution framework. <i>ASEG Extended Abstracts</i> , 2019, 2019, 1-3.  | 0.1 | 1         |
| 26 | Divergence-free solutions to electromagnetic forward and adjoint problems: a regularization approach. <i>Geophysical Journal International</i> , 2019, 216, 906-918.   | 2.4 | 30        |
| 27 | A multi-resolution approach to electromagnetic modelling. <i>Geophysical Journal International</i> , 2018, 214, 656-671.   | 2.4 | 26        |
| 28 | Shared advances in exploration and fundamental geophysics – Introduction. <i>Geophysics</i> , 2018, 83, WCi-WCii.  | 2.6 | 0         |
| 29 | Modular implementation of magnetotelluric 2D forward modeling with general anisotropy. <i>Computers and Geosciences</i> , 2018, 118, 27-38.  | 4.2 | 17        |
| 30 | Source biases in midlatitude magnetotelluric transfer functions due to Pc3-4 geomagnetic pulsations. <i>Earth, Planets and Space</i> , 2018, 70, .   | 2.5 | 14        |
| 31 | A novel CFS-PML boundary condition for transient electromagnetic simulation using a fictitious wave domain method. <i>Radio Science</i> , 2017, 52, 118-131.   | 1.6 | 13        |
| 32 | Electrical conductivity structure of southeastern North America: Implications for lithospheric architecture and Appalachian topographic rejuvenation. <i>Earth and Planetary Science Letters</i> , 2017, 462, 66-75.   | 4.4 | 54        |
| 33 | 3-D inversion of complex magnetotelluric data from an Archean-Proterozoic terrain in northeastern São Francisco Craton, Brazil. <i>Geophysical Journal International</i> , 2017, 210, 1545-1559.   | 2.4 | 11        |
| 34 | An application of principal component analysis to the interpretation of ionospheric current systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5687-5708.   | 2.4 | 15        |
| 35 | Methodology for time-domain estimation of storm time geoelectric fields using the 3D magnetotelluric response tensors. <i>Space Weather</i> , 2017, 15, 874-894.   | 3.7 | 59        |
| 36 | Tidal Prediction. <i>Journal of Marine Research</i> , 2017, 75, 189-237.   | 0.3 | 34        |

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|----|---|------|-----------|
| 37 | Coastal ocean variability in the US Pacific Northwest region: seasonal patterns, winter circulation, and the influence of the 2009–2010 El Niño. <i>Ocean Dynamics</i> , 2015, 65, 1643-1663. | 2.2  | 17        |
| 38 | Ionospheric current source modeling and global geomagnetic induction using ground geomagnetic observatory data. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6771-6796.   | 3.4  | 35        |
| 39 | Three-dimensional electrical resistivity of the north-central USA from EarthScope long period magnetotelluric data. <i>Earth and Planetary Science Letters</i> , 2015, 422, 87-93.            | 4.4  | 88        |
| 40 | 3-D joint inversion of the magnetotelluric phase tensor and vertical magnetic transfer functions. <i>Geophysical Journal International</i> , 2015, 203, 1128-1148.                            | 2.4  | 39        |
| 41 | An improved parameterization of tidal mixing for ocean models. <i>Geoscientific Model Development</i> , 2014, 7, 211-224.   | 3.6  | 18        |
| 42 | Accuracy assessment of global barotropic ocean tide models. <i>Reviews of Geophysics</i> , 2014, 52, 243-282.   | 23.0 | 338       |
| 43 | Time-Variable Refraction of the Internal Tide at the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2014, 44, 538-557.   | 1.7  | 73        |
| 44 | ModEM: A modular system for inversion of electromagnetic geophysical data. <i>Computers and Geosciences</i> , 2014, 66, 40-53.  | 4.2  | 521       |
| 45 | Intensified Diurnal Tides along the Oregon Coast. <i>Journal of Physical Oceanography</i> , 2014, 44, 1689-1703.  | 1.7  | 12        |
| 46 | Deep electrical resistivity structure of the northwestern U.S. derived from 3-D inversion of USArray magnetotelluric data. <i>Earth and Planetary Science Letters</i> , 2014, 402, 290-304.   | 4.4  | 208       |
| 47 | Implementing novel schemes for inversion of 3D EM data in ModEM, the OSU modular EM inversion system. , 2014, , .   |      | 0         |
| 48 | Reply to comments by S. R. Dickman on “Fortnightly Earth rotation, ocean tides and mantle anelasticity”. <i>Geophysical Journal International</i> , 2013, 192, 1055-1058.                     | 2.4  | 0         |
| 49 | Cabled marine magnetotellurics: Denser data at lower cost and higher information content. , 2013, , .   |      | 0         |
| 50 | Crust and upper mantle electrical conductivity beneath the Yellowstone Hotspot Track. <i>Geology</i> , 2012, 40, 447-450.   | 4.4  | 76        |
| 51 | Spherical decomposition of electromagnetic fields generated by quasi-static currents. <i>GEM - International Journal on Geomathematics</i> , 2012, 3, 279-295.                                | 1.6  | 8         |
| 52 | Variational assimilation of HF radar surface currents in a coastal ocean model off Oregon. <i>Ocean Modelling</i> , 2012, 49-50, 86-104.  | 2.4  | 33        |
| 53 | Computational recipes for electromagnetic inverse problems. <i>Geophysical Journal International</i> , 2012, 189, 251-267.  | 2.4  | 562       |
| 54 | Fortnightly Earth rotation, ocean tides and mantle anelasticity. <i>Geophysical Journal International</i> , 2012, 189, 400-413.   | 2.4  | 30        |

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|----|--|------|-----------|
| 55 | A thin-sheet model for global electromagnetic induction. <i>Geophysical Journal International</i> , 2012, 189, 343-356.  | 2.4  | 19        |
| 56 | Hybrid conjugate gradient-Occam algorithms for inversion of multifrequency and multitransmitter EM data. <i>Geophysical Journal International</i> , 2012, 190, 255-266.                          | 2.4  | 13        |
| 57 | Robust principal component analysis of electromagnetic arrays with missing data. <i>Geophysical Journal International</i> , 2012, 190, 1423-1438.  | 2.4  | 31        |
| 58 | Variational assimilation of satellite observations in a coastal ocean model off Oregon. <i>Journal of Geophysical Research</i> , 2011, 116, .  | 3.3  | 41        |
| 59 | Application of 3D inversion to magnetotelluric profile data from the Deccan Volcanic Province of Western India. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 33-46.          | 1.9  | 57        |
| 60 | Spatial and Temporal Variability of the M2 Internal Tide Generation and Propagation on the Oregon Shelf. <i>Journal of Physical Oceanography</i> , 2011, 41, 2037-2062.                          | 1.7  | 42        |
| 61 | Tide Predictions in Shelf and Coastal Waters: Status and Prospects. , 2011, , 191-216.   |      | 50        |
| 62 | Magnetotelluric Data Processing. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 816-822.   | 0.1  | 2         |
| 63 | Combined Effects of Wind-Driven Upwelling and Internal Tide on the Continental Shelf. <i>Journal of Physical Oceanography</i> , 2010, 40, 737-756.   | 1.7  | 35        |
| 64 | Long-term monitoring of ULF electromagnetic fields at Parkfield, California. <i>Journal of Geophysical Research</i> , 2010, 115, .   | 3.3  | 26        |
| 65 | Assimilation of altimetry data for nonlinear shallow-water tides: Quarter-diurnal tides of the Northwest European Shelf. <i>Continental Shelf Research</i> , 2010, 30, 668-679.                  | 1.8  | 111       |
| 66 | Representative analyses in the coastal upwelling system. <i>Dynamics of Atmospheres and Oceans</i> , 2009, 48, 198-218.  | 1.8  | 25        |
| 67 | Baroclinic tidal generation in the Kauai Channel inferred from high-frequency radio Doppler current meters. <i>Dynamics of Atmospheres and Oceans</i> , 2009, 48, 93-120.                        | 1.8  | 23        |
| 68 | WSINV3DMT: Vertical magnetic field transfer function inversion and parallel implementation. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 173, 317-329.                            | 1.9  | 155       |
| 69 | Assimilation of GRACE tide solutions into a numerical hydrodynamic inverse model. <i>Geophysical Research Letters</i> , 2009, 36, .  | 4.0  | 18        |
| 70 | A nested grid model of the Oregon Coastal Transition Zone: Simulations and comparisons with observations during the 2001 upwelling season. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3  | 26        |
| 71 | Global electromagnetic induction constraints on transition-zone water content variations. <i>Nature</i> , 2009, 460, 1003-1006.  | 27.8 | 219       |
| 72 | Non-linear conjugate gradient inversion for global EM induction: resolution studies. <i>Geophysical Journal International</i> , 2008, 173, 365-381.  | 2.4  | 84        |

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|----|---|-----|-----------|
| 73 | Regional conductivity structure of Cascadia: Preliminary results from 3D inversion of USArray transportable array magnetotelluric data. <i>Geophysical Research Letters</i> , 2008, 35, .   | 4.0 | 73        |
| 74 | Normal-Mode Instabilities of a Time-Dependent Coastal Upwelling Jet. <i>Journal of Physical Oceanography</i> , 2008, 38, 2056-2071.   | 1.7 | 7         |
| 75 | The Inverse Ocean Modeling System. Part II: Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 1623-1637.   | 1.3 | 18        |
| 76 | Reply to "Comment on 'Seismomagnetic Effects from the Long-Awaited 28 September 2004 M 6.0 Parkfield Earthquake' by M. J. S. Johnston, Y. Sasai, G. D. Egbert, and R. J. Mueller" by P. Varotsos and S. Uyeda. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 2090-2093. | 2.3 | 0         |
| 77 | Scale Evolution of Finite-Amplitude Instabilities on a Coastal Upwelling Front. <i>Journal of Physical Oceanography</i> , 2007, 37, 837-854.  | 1.7 | 9         |
| 78 | The impact of the M2 internal tide on data-assimilative model estimates of the surface tide. <i>Ocean Modelling</i> , 2007, 18, 210-216.  | 2.4 | 7         |
| 79 | Representer-based variational data assimilation in a nonlinear model of nearshore circulation. <i>Journal of Geophysical Research</i> , 2007, 112, .  | 3.3 | 23        |
| 80 | Data space conjugate gradient inversion for 2-D magnetotelluric data. <i>Geophysical Journal International</i> , 2007, 170, 986-994.  | 2.4 | 25        |
| 81 | Empirical orthogonal function analysis of magnetic observatory data: Further evidence for non-axisymmetric magnetospheric sources for satellite induction studies. <i>Geophysical Research Letters</i> , 2006, 33, .  | 4.0 | 26        |
| 82 | Seismomagnetic Effects from the Long-Awaited 28 September 2004 M 6.0 Parkfield Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, S206-S220.   | 2.3 | 45        |
| 83 | Verification studies for a z-coordinate primitive-equation model: Tidal conversion at a mid-ocean ridge. <i>Ocean Modelling</i> , 2006, 14, 257-278.  | 2.4 | 21        |
| 84 | Estimating Open-Ocean Barotropic Tidal Dissipation: The Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2006, 36, 1019-1035.  | 1.7 | 86        |
| 85 | Constraints on mantle anelasticity from geodetic observations, and implications for the J2 anomaly. <i>Geophysical Journal International</i> , 2006, 165, 3-16.   | 2.4 | 74        |
| 86 | Mapping nonlinear shallow-water tides: a look at the past and future. <i>Ocean Dynamics</i> , 2006, 56, 416-429.  | 2.2 | 35        |
| 87 | Modeling Bottom Mixed Layer Variability on the Mid-Oregon Shelf during Summer Upwelling. <i>Journal of Physical Oceanography</i> , 2005, 35, 1629-1649.   | 1.7 | 17        |
| 88 | Interpretation of two-dimensional magnetotelluric profile data with three-dimensional inversion: synthetic examples. <i>Geophysical Journal International</i> , 2005, 160, 804-814.   | 2.4 | 129       |
| 89 | A Brief Overview of Tides in the Indonesian Seas. <i>Oceanography</i> , 2005, 18, 74-79.  | 1.0 | 75        |
| 90 | Assimilation of Ship-Mounted ADCP Data for Barotropic Tides: Application to the Ross Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 721-734.   | 1.3 | 29        |

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|-----|---|------|-----------|
| 91  | Three-dimensional magnetotelluric inversion: data-space method. Physics of the Earth and Planetary Interiors, 2005, 150, 3-14.  | 1.9  | 380       |
| 92  | Distant effect of assimilation of moored currents into a model of coastal wind-driven circulation off Oregon. Journal of Geophysical Research, 2005, 110, .                     | 3.3  | 20        |
| 93  | Assimilation of moored velocity data in a model of coastal wind-driven circulation off Oregon: Multivariate capabilities. Journal of Geophysical Research, 2005, 110, .         | 3.3  | 34        |
| 94  | Three-dimensional inversion for Network-Magnetotelluric data. Earth, Planets and Space, 2004, 56, 893-902.  | 2.5  | 42        |
| 95  | Numerical modeling of the global semidiurnal tide in the present day and in the last glacial maximum. Journal of Geophysical Research, 2004, 109, .                             | 3.3  | 240       |
| 96  | Local time effects in satellite estimates of electromagnetic induction transfer functions. Geophysical Research Letters, 2004, 31, .  | 4.0  | 15        |
| 97  | Geophysical images of the creeping segment of the San Andreas fault: implications for the role of crustal fluids in the earthquake process. Tectonophysics, 2004, 385, 137-158. | 2.2  | 83        |
| 98  | The Global S <sub>1</sub> Tide. Journal of Physical Oceanography, 2004, 34, 1922-1935.  | 1.7  | 70        |
| 99  | Tidal Models in a New Era of Satellite Gravimetry. Space Science Reviews, 2003, 108, 271-282.   | 8.1  | 55        |
| 100 | Tidal currents on the central Oregon shelf: Models, data, and assimilation. Journal of Geophysical Research, 2003, 108, .   | 3.3  | 43        |
| 101 | Semi-diurnal and diurnal tidal dissipation from TOPEX/Poseidon altimetry. Geophysical Research Letters, 2003, 30, n/a-n/a.  | 4.0  | 203       |
| 102 | Tidal Models in a New Era of Satellite Gravimetry. Space Sciences Series of ISSI, 2003, , 271-282.  | 0.0  | 5         |
| 103 | From Tides to Mixing Along the Hawaiian Ridge. Science, 2003, 301, 355-357.   | 12.6 | 312       |
| 104 | The M2 Internal Tide off Oregon: Inferences from Data Assimilation. Journal of Physical Oceanography, 2003, 33, 1733-1757.  | 1.7  | 81        |
| 105 | Deviation of Long-Period Tides from Equilibrium: Kinematics and Geostrophy. Journal of Physical Oceanography, 2003, 33, 822-839.  | 1.7  | 50        |
| 106 | Efficient Inverse Modeling of Barotropic Ocean Tides. Journal of Atmospheric and Oceanic Technology, 2002, 19, 183-204.   | 1.3  | 2,947     |
| 107 | Data Assimilation in a Baroclinic Coastal Ocean Model: Ensemble Statistics and Comparison of Methods. Monthly Weather Review, 2002, 130, 1009-1025.                             | 1.4  | 23        |
| 108 | A Modeling Study of the Three-Dimensional Continental Shelf Circulation off Oregon. Part II: Dynamical Analysis. Journal of Physical Oceanography, 2002, 32, 1383-1403.         | 1.7  | 49        |

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|-----|---|------|-----------|
| 109 | Numerical accuracy of magnetotelluric modeling: A comparison of finite difference approximations. Earth, Planets and Space, 2002, 54, 721-725.  | 2.5  | 62        |
| 110 | A Modeling Study of the Three-Dimensional Continental Shelf Circulation off Oregon. Part I: Modelâ€œData Comparisons. Journal of Physical Oceanography, 2002, 32, 1360-1382.  | 1.7  | 79        |
| 111 | Assimilation of surface velocity data into a primitive equation coastal ocean model. Journal of Geophysical Research, 2002, 107, 5-1.   | 3.3  | 181       |
| 112 | Magnetotelluric imaging of the creeping segment of the San Andreas Fault near Hollister. Geophysical Research Letters, 2002, 29, 1-1.   | 4.0  | 53        |
| 113 | On the Generation of ULF Magnetic Variations by Conductivity Fluctuations in a Fault Zone. Pure and Applied Geophysics, 2002, 159, 1205-1227.   | 1.9  | 25        |
| 114 | Processing And Interpretation Of Electromagnetic Induction Array Data. Surveys in Geophysics, 2002, 23, 207-249.  | 4.6  | 59        |
| 115 | Error spectrum for the global M2ocean tide. Geophysical Research Letters, 2001, 28, 21-24.  | 4.0  | 29        |
| 116 | Estimates of M2tidal energy dissipation from TOPEX/Poseidon altimeter data. Journal of Geophysical Research, 2001, 106, 22475-22502.  | 3.3  | 359       |
| 117 | On the stability of magnetotelluric transfer function estimates and the reliability of their variances. Geophysical Journal International, 2001, 144, 65-82.  | 2.4  | 58        |
| 118 | Assimilation of Surface Current Measurements in a Coastal Ocean Model. Journal of Physical Oceanography, 2000, 30, 2359-2378.   | 1.7  | 18        |
| 119 | Significant dissipation of tidal energy in the deep ocean inferred from satellite altimeter data. Nature, 2000, 405, 775-778.   | 27.8 | 688       |
| 120 | Correction to â€œDC trains and Pc3s: Source effects in mid-latitude geomagnetic transfer functionsâ€œby Gary D. Egbert, Markus Eisel, O. Sierra Boyd, and H. Frank Morrison. Geophysical Research Letters, 2000, 27, 1565-1565. | 4.0  | 0         |
| 121 | An efficient dataâ€œsubspace inversion method for 2-D magnetotelluric data. Geophysics, 2000, 65, 791-803.  | 2.6  | 360       |
| 122 | DC trains and Pc3s: Source effects in mid-latitude geomagnetic transfer functions. Geophysical Research Letters, 2000, 27, 25-28.   | 4.0  | 29        |
| 123 | Along strike variations in the electrical structure of the San Andreas Fault at Parkfield, California. Geophysical Research Letters, 2000, 27, 3021-3024.   | 4.0  | 112       |
| 124 | Ocean mixing studied near Hawaiian Ridge. Eos, 2000, 81, 545.   | 0.1  | 27        |
| 125 | High-resolution electromagnetic imaging of the San Andreas Fault in central California. Journal of Geophysical Research, 1999, 104, 1131-1150.  | 3.3  | 109       |
| 126 | Internal structure of the San Andreas fault at Parkfield, California. Geology, 1997, 25, 359.   | 4.4  | 161       |



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|-----|--|-----|-----------|
| 127 | Accuracy assessment of recent ocean tide models. Journal of Geophysical Research, 1997, 102, 25173-25194.  | 3.3 | 255       |
| 128 | The flux of tidal energy across latitude 60°S. Geophysical Research Letters, 1997, 24, 543-546.  | 4.0 | 7         |
| 129 | Robust multiple-station magnetotelluric data processing. Geophysical Journal International, 1997, 130, 475-496.  | 2.4 | 446       |
| 130 | Tidal data inversion: interpolation and inference. Progress in Oceanography, 1997, 40, 53-80.  | 3.2 | 112       |
| 131 | A TOPEX/POSEIDON global tidal model (TPXO.2) and barotropic tidal currents determined from long-range acoustic transmissions. Progress in Oceanography, 1997, 40, 337-367. | 3.2 | 61        |
| 132 | Diurnal/semidiurnal polar motion excited by oceanic tidal angular momentum. Journal of Geophysical Research, 1996, 101, 20151-20163.                                       | 3.3 | 80        |
| 133 | Data assimilation methods for ocean tides. Elsevier Oceanography Series, 1996, , 147-179.  | 0.1 | 35        |
| 134 | Single station magnetotelluric impedance estimation: Coherence weighting and the regression Maximum Likelihood estimate. Geophysics, 1996, 61, 964-970.                    | 2.6 | 65        |
| 135 | Diurnal/semidiurnal oceanic tidal angular momentum: Topex/Poseidon Models in comparison with Earth's rotation rate. Geophysical Research Letters, 1995, 22, 1993-1996.     | 4.0 | 19        |
| 136 | TOPEX/POSEIDON tides estimated using a global inverse model. Journal of Geophysical Research, 1994, 99, 24821.   | 3.3 | 1,090     |
| 137 | Imaging crustal structure in southwestern Washington with small magnetometer arrays. Journal of Geophysical Research, 1993, 98, 15967-15985.                               | 3.3 | 25        |
| 138 | Noncausality of the discrete-time magnetotelluric impulse response. Geophysics, 1992, 57, 1354-1358.   | 2.6 | 21        |
| 139 | Sampling bias in VGP longitudes. Geophysical Research Letters, 1992, 19, 2353-2356.  | 4.0 | 24        |
| 140 | Very long period magnetotellurics at Tucson Observatory: Implications for mantle conductivity. Journal of Geophysical Research, 1992, 97, 15099-15112.                     | 3.3 | 75        |
| 141 | Very long period magnetotellurics at Tucson Observatory: Estimation of impedances. Journal of Geophysical Research, 1992, 97, 15113-15128.                                 | 3.3 | 36        |
| 142 | On the synthesis of a large geomagnetic array from small overlapping arrays. Geophysical Journal International, 1991, 106, 37-51.  | 2.4 | 5         |
| 143 | Comments On "Concerning dispersion relations for the magnetotelluric impedance tensor" By E. Yee and K. V. Paulson. Geophysical Journal International, 1990, 102, 1-8.     | 2.4 | 35        |
| 144 | A comparison of techniques for magnetotelluric response function estimation. Journal of Geophysical Research, 1989, 94, 14201-14213.                                       | 3.3 | 201       |

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|-----|--|-----|-----------|
| 145 | Multivariate analysis of geomagnetic array data: 1. The response space. Journal of Geophysical Research, 1989, 94, 14227-14247.  | 3.3 | 49        |
| 146 | Multivariate analysis of geomagnetic array data: 2. Random source models. Journal of Geophysical Research, 1989, 94, 14249-14265.  | 3.3 | 16        |
| 147 | Stochastic Modeling of the Spaceâ€Time Structure of Atmospheric Chemical Deposition. Water Resources Research, 1986, 22, 165-179.  | 4.2 | 34        |
| 148 | Multiple state stochastic models for the long-range transport and removal of atmospheric tracers. Quarterly Journal of the Royal Meteorological Society, 1986, 112, 843-865. | 2.7 | 0         |
| 149 | Robust estimation of geomagnetic transfer functions. Geophysical Journal International, 1986, 87, 173-194.   | 2.4 | 512       |
| 150 | Tides in the Weddell Sea. Antarctic Research Series, 0, , 341-369.   | 0.2 | 69        |