

# John A Collins

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,226  
citations

361413

20  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1261  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution seismic constraints on flow dynamics in the oceanic asthenosphere. <i>Nature</i> , 2016, 535, 538-541.	27.8	92
2	Variations in earthquake rupture properties along the Gofar transform fault, East Pacific Rise. <i>Nature Geoscience</i> , 2012, 5, 336-341.	12.9	86
3	Spreading-rate dependence of melt extraction at mid-ocean ridges from mantle seismic refraction data. <i>Nature</i> , 2004, 432, 744-747.	27.8	85
4	Ocean Seismic Network Pilot Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	84
5	Seismic evidence for large-scale compositional heterogeneity of oceanic core complexes. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	79
6	Seismic velocity constraints on the material properties that control earthquake behavior at the Quebradaâ€Discoveryâ€Gofar transform faults, East Pacific Rise. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	74
7	Imaging along-strike variations in mechanical properties of the Gofar transform fault, East Pacific Rise. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7175-7194.	3.4	69
8	The electrical structure of the central Pacific upper mantle constrained by the Melt experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1115-1132.	2.5	56
9	The relationship between seismicity and fault structure on the Discovery transform fault, East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3698-3712.	2.5	52
10	High-Resolution Constraints on Pacific Upper Mantle Petrofabric Inferred From Surface-Wave Anisotropy. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 631-657.	3.4	52
11	Upper mantle structure beneath the Hawaiian swell: Constraints from the ocean seismic network pilot experiment. <i>Geophysical Research Letters</i> , 2002, 29, 17-1.	4.0	50
12	Mantle deformation during slow seafloor spreading constrained by observations of seismic anisotropy in the western Atlantic. <i>Earth and Planetary Science Letters</i> , 2004, 228, 255-265.	4.4	49
13	Two-station measurement of Rayleigh-wave phase velocities for the Huatung basin, the westernmost Philippine Sea, with OBS: implications for regional tectonics. <i>Geophysical Journal International</i> , 2009, 179, 1859-1869.	2.4	33
14	Millimeter-level precision in a seafloor geodesy experiment at the Discovery transform fault, East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4392-4402.	2.5	31
15	The character of seafloor ambient noise recorded offshore New Zealand: Results from the MOANA ocean bottom seismic experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	28
16	Upper mantle seismic anisotropy at a strike-slip boundary: South Island, New Zealand. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1020-1040.	3.4	25
17	Shear wave splitting at the Hawaiian hot spot from the PLUME land and ocean bottom seismometer deployments. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	24
18	A joint Monte Carlo analysis of seafloor compliance, Rayleigh wave dispersion and receiver functions at ocean bottom seismic stations offshore New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 5051-5068.	2.5	24

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19	Spatial and Temporal Variations in Earthquake Stress Drop on Gofar Transform Fault, East Pacific Rise: Implications for Fault Strength. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7722-7740.	3.4	24
20	Seismic and drilling constraints on velocity structure and reflectivity near IODP Hole U1309D on the central dome of Atlantis Massif, Mid-Atlantic Ridge 30°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	23
21	A Lack of Dynamic Triggering of Slow Slip and Tremor Indicates That the Shallow Cascadia Megathrust Offshore Vancouver Island Is Likely Locked. <i>Geophysical Research Letters</i> , 2018, 45, 11,095.	4.0	21
22	Deep velocity structure of rifted continental crust, U.S. Mid-Atlantic Margin, from wide-angle reflection/refraction data. <i>Geophysical Research Letters</i> , 1992, 19, 1699-1702.	4.0	19
23	Dynamic triggering and earthquake swarms on East Pacific Rise transform faults. <i>Geophysical Research Letters</i> , 2017, 44, 702-710.	4.0	18
24	Limited Mantle Hydration by Bending Faults at the Middle America Trench. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020982.	3.4	18
25	<i>Sn</i> anisotropy beneath the South Island of New Zealand and implications for distributed deformation in continental lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7745-7767.	3.4	16
26	Azimuthal Seismic Anisotropy of 70-Ma Pacific Plate Upper Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1889-1909.	3.4	16
27	Shear-wave velocity structure of shallow-water sediments in the East China Sea. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 3646-3654.	1.1	14
28	Lithospheric shear velocity structure of South Island, New Zealand, from amphibious Rayleigh wave tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3686-3702.	3.4	14
29	Seismicity of the Atlantis Massif detachment fault, 30°N at the Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	13
30	Constraints on the Depth, Thickness, and Strength of the G Discontinuity in the Central Pacific From S Receiver Functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2019JB019256.	3.4	11
31	Analysis of seafloor seismograms of the 2003 Tokachi-Oki earthquake sequence for earthquake early warning. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	8
32	Lake-Bottom Seismograph Observations of Microseisms in Yellowstone Lake. <i>Seismological Research Letters</i> , 2019, 90, 1200-1208.	1.9	7
33	A Long-Term Geothermal Observatory Across Subseafloor Gas Hydrates, IODP Hole U1364A, Cascadia Accretionary Prism. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	6
34	Detection and tracking of fin whales during seismic exploration in the Gulf of California. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	3
35	Wireless Retrieval of High-Rate Ocean Bottom Seismograph Data and Time Synchronization Using the WHOI Optical Modem and REMUS AUV. , 2019, , .		2