

Bradford J Foley

List of Publications by Year in descending order

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21
papers

803
citations

687363

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794594

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24
all docs

24
docs citations

24
times ranked

747
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital Dynamics and the Evolution of Planetary Habitability in the AU Mic System. <i>Astronomical Journal</i> , 2022, 163, 20.	4.7	6
2	Mantle Degassing Lifetimes through Galactic Time and the Maximum Age Stagnant-lid Rocky Exoplanets Can Support Temperate Climates. <i>Astrophysical Journal Letters</i> , 2022, 930, L6.	8.3	8
3	Scaling laws for stagnant-lid convection with a buoyant crust. <i>Geophysical Journal International</i> , 2021, 228, 631-663.	2.4	1
4	The Effects of Planetary and Stellar Parameters on Brittle Lithospheric Thickness. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006952.	3.6	3
5	Timescale of Short-Term Subduction Episodicity in Convection Models With Grain Damage: Applications to Archean Tectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020478.	3.4	0
6	Warming early Mars with climate cycling: The effect of C_0 on the evolution of the Martian climate. <i>Journal of Geophysical Research: Planets</i> , 2020, 125, e2020JE006952.	2.5	18
7	Waterworlds May Have Better Climate Buffering Capacities than Their Continental Counterparts. <i>Astrophysical Journal Letters</i> , 2020, 902, L10.	8.3	10
8	A Volatile-poor Formation of LHS 3844b Based on Its Lack of Significant Atmosphere. <i>Planetary Science Journal</i> , 2020, 1, 36.	3.6	18
9	Habitability of Earth-like Stagnant Lid Planets: Climate Evolution and Recovery from Snowball States. <i>Astrophysical Journal</i> , 2019, 875, 72.	4.5	31
10	The dependence of planetary tectonics on mantle thermal state: applications to early Earth evolution. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170409.	3.4	31
11	On the dynamics of coupled grain size evolution and shear heating in lithospheric shear zones. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 283, 7-25.	1.9	14
12	Carbon Cycling and Habitability of Earth-Sized Stagnant Lid Planets. <i>Astrobiology</i> , 2018, 18, 873-896.	3.0	66
13	Long-term preservation of early formed mantle heterogeneity by mobile lid convection: Importance of grainsize evolution. <i>Earth and Planetary Science Letters</i> , 2017, 475, 94-105.	4.4	18
14	Whole planet coupling between climate, mantle, and core: Implications for rocky planet evolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1885-1914.	2.5	73
15	THE ROLE OF PLATE TECTONICS IN CLIMATE COUPLING AND EXPOSED LAND AREA IN THE DEVELOPMENT OF HABITABLE CLIMATES ON ROCKY PLANETS. <i>Astrophysical Journal</i> , 2015, 812, 36.	4.5	124
16	Scaling laws for convection with temperature-dependent viscosity and grain-damage. <i>Geophysical Journal International</i> , 2014, 199, 580-603.	2.4	32
17	Initiation of plate tectonics from post-magma ocean thermochemical convection. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8538-8561.	3.4	69
18	The conditions for plate tectonics on super-Earths: Inferences from convection models with damage. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 281-290.	4.4	112

#	ARTICLE	IF	CITATIONS
19	Upper and mid-mantle anisotropy beneath the Tonga slab. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	78
20	Generation of plate-like behavior and mantle heterogeneity from a spherical, viscoplastic convection model. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	91
21	The Heat Budget of Rocky Planets. , 0, , 4-1-4-60.		0