

# Sabine Stanley

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,226  
citations

623734

14  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convective-region geometry as the cause of Uranus' and Neptune's unusual magnetic fields. <i>Nature</i> , 2004, 428, 151-153.	27.8	204
2	Numerical dynamo models of Uranus' and Neptune's magnetic fields. <i>Icarus</i> , 2006, 184, 556-572.	2.5	159
3	Thin shell dynamo models consistent with Mercury's weak observed magnetic field. <i>Earth and Planetary Science Letters</i> , 2005, 234, 27-38.	4.4	129
4	Paleomagnetic Records of Meteorites and Early Planetesimal Differentiation. <i>Space Science Reviews</i> , 2010, 152, 341-390.	8.1	128
5	Mars' Paleomagnetic Field as the Result of a Single-Hemisphere Dynamo. <i>Science</i> , 2008, 321, 1822-1825.	12.6	98
6	Dynamo Models for Planets Other Than Earth. <i>Space Science Reviews</i> , 2010, 152, 617-649.	8.1	83
7	MAGNETICALLY CONTROLLED CIRCULATION ON HOT EXTRASOLAR PLANETS. <i>Astrophysical Journal</i> , 2013, 776, 53.	4.5	75
8	Performance benchmarks for a next generation numerical dynamo model. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1586-1607.	2.5	66
9	Effects of an outer thin stably stratified layer on planetary dynamos. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 168, 179-190.	1.9	53
10	Reconciling past changes in Earth's rotation with 20th century global sea-level rise: Resolving Munk's enigma. <i>Science Advances</i> , 2015, 1, e1500679.	10.3	45
11	INTERIOR STRUCTURE OF WATER PLANETS: IMPLICATIONS FOR THEIR DYNAMO SOURCE REGIONS. <i>Astrophysical Journal</i> , 2013, 768, 156.	4.5	38
12	NON-AXISYMMETRIC FLOWS ON HOT JUPITERS WITH OBLIQUE MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2014, 794, 10.	4.5	31
13	Magnetic field modeling for Mercury using dynamo models with a stable layer and laterally variable heat flux. <i>Icarus</i> , 2015, 260, 263-268.	2.5	30
14	The Geophysics of Mercury: Current Status and Anticipated Insights from the MESSENGER Mission. <i>Space Science Reviews</i> , 2007, 131, 105-132.	8.1	27
15	Effect of inner core conductivity on planetary dynamo models. <i>Physics of the Earth and Planetary Interiors</i> , 2012, 212-213, 1-9.	1.9	16
16	Putting computation on a par with experiments and theory in the undergraduate physics curriculum. <i>American Journal of Physics</i> , 2011, 79, 919-924.	0.7	14
17	The Case for a New Frontiers' Class Uranus Orbiter: System Science at an Underexplored and Unique World with a Mid-scale Mission. <i>Planetary Science Journal</i> , 2022, 3, 58.	3.6	12
18	Iridium Communications Satellite Constellation Data for Study of Earth's Magnetic Field. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009515.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Magnetic Fields on Asteroids and Planetesimals. , 2017, , 180-203.		6
20	Dynamo Models for Planets Other Than Earth. Space Sciences Series of ISSI, 2009, , 617-649.	0.0	2
21	Considering intergroup emotions to improve diversity and inclusion in the geosciences. Journal of Geoscience Education, 2021, 69, 248-252.	1.4	1
22	Thank You to Our 2018 Peer Reviewers. Journal of Geophysical Research E: Planets, 2019, 124, 867-870.	3.6	0
23	In Appreciation of Our 2019 Peer Reviewers. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006420.	3.6	0
24	The Geophysics of Mercury: Current Status and Anticipated Insights from the MESSENGER Mission. , 2007, , 105-132.		0
25	Paleomagnetic Records of Meteorites and Early Planetesimal Differentiation. Space Sciences Series of ISSI, 2009, , 341-390.	0.0	0