Colin J Joyce

List of Publications by Year
in descending order

50 papers	978 citations	361413 20 h-index	501196 28 g-index
51 all docs	51 docs citations	51 times ranked	775 citing authors

#	Article	IF	Citations
1	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. Astrophysical Journal, 2022, 925, 9.	4.5	12
2	PSP/ISâŠ™IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. Astrophysical Journal, 2022, 925, 212.	4.5	3
3	High-latitude Observations of Inertial-range Turbulence by the Ulysses Spacecraft During the Solar Minimum of 1993â€“96. Astrophysical Journal, 2022, 927, 43.	4.5	4
4	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREOâ€A. Geophysical Research Letters, 2021, 48, e2020GL091376.	4.0	16
5	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. Astrophysical Journal, 2021, 912, 139.	4.5	10
6	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. Astronomy and Astrophysics, 2021, 650, L4.	5.1	12
7	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. Astronomy and Astrophysics, 2021, 650, A23.	5.1	13
8	A living catalog of stream interaction regions in the Parker Solar Probe era. Astronomy and Astrophysics, 2021, 650, A25.	5.1	17
9	Magnetic field line random walk and solar energetic particle path lengths. Astronomy and Astrophysics, 2021, 650, A26.	5.1	20
10	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A24.	5.1	15
11	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. Astronomy and Astrophysics, 2021, 650, L5.	5.1	14
12	Energetic Electron Observations by Parker Solar Probe/ISâŠ™IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. Astrophysical Journal, 2021, 919, 119.	4.5	17
13	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. Astrophysical Journal, 2021, 921, 102.	4.5	10
14	Low-frequency Waves due to Newborn Interstellar Pickup He⁺ Observed by the Ulysses Spacecraft. Astrophysical Journal, 2021, 923, 185.	4.5	4
15	Galactic Cosmic Radiation in the Interplanetary Space Through a Modern Secular Minimum. Space Weather, 2020, 18, e2019SW002428.	3.7	6
16	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 61.	7.7	25
17	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by <i>Parker Solar Probe</i>. Astrophysical Journal, Supplement Series, 2020, 246, 65.	7.7	23
18	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISâŠ™IS Instrument Suite. Astrophysical Journal, Supplement Series, 2020, 246, 41.	7.7	17

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19	³He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. Astrophysical Journal, Supplement Series, 2020, 246, 42.	7.7	27
20	Energetic Particle Increases Associated with Stream Interaction Regions. Astrophysical Journal, Supplement Series, 2020, 246, 20.	7.7	31
21	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 33.	7.7	21
22	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 35.	7.7	27
23	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 92.	4.5	14
24	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 91.	4.5	18
25	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 93.	4.5	20
26	Solar Wind Turbulence from 1 to 45 au. IV. Turbulent Transport and Heating of the Solar Wind Using Voyager Observations. Astrophysical Journal, 2020, 900, 94.	4.5	22
27	Small Electron Events Observed by Parker Solar Probe/ISâŠ™IS during Encounter 2. Astrophysical Journal, 2020, 902, 20.	4.5	9
28	Solar Wind Turbulence from 1 to 45 au. V. Data Intervals from the Voyager Observations. Astrophysical Journal, Supplement Series, 2020, 250, 14.	7.7	2
29	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	27.8	103
30	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deepâ€Špace Exploration. Space Weather, 2018, 16, 289-303.	3.7	44
31	Opening a Window on ICME-driven GCR Modulation in the Inner Solar System. Astrophysical Journal, 2018, 856, 139.	4.5	27
32	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the <i>Voyager</i> Spacecraft from 1 to 45 au. III. Observation Times. Astrophysical Journal, Supplement Series, 2018, 237, 34.	7.7	16
33	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. II. Instability and Turbulence Analyses. Astrophysical Journal, 2018, 863, 76.	4.5	22
34	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. I. Wave Properties. Astrophysical Journal, 2018, 863, 75.	4.5	21
35	Listing of 502 Times When the Ulysses Magnetic Fields Instrument Observed Waves Due to Newborn Interstellar Pickup Protons. Astrophysical Journal, 2017, 840, 13.	4.5	13
36	Observation of Magnetic Waves Excited by Newborn Interstellar Pickup He+ Observed by the Voyager 2 Spacecraft at 30 au. Astrophysical Journal, 2017, 849, 61.	4.5	15

#	Article	IF	Citations
37	Observations of Low-Frequency Magnetic Waves due to Newborn Interstellar Pickup Ions Using ACE, Ulysses, and Voyager Data. Journal of Physics: Conference Series, 2017, 900, 012018.	0.4	13
38	Modeling the effectiveness of shielding in the earth-moon-mars radiation environment using PREDICCS: five solar events in 2012. Journal of Space Weather and Space Climate, 2017, 7, A16.	3.3	5
39	Solar modulation of the deep space galactic cosmic ray lineal energy spectrum measured by CRaTER, 2009â€“2014. Space Weather, 2016, 14, 247-258.	3.7	7
40	A SURVEY OF MAGNETIC WAVES EXCITED BY NEWBORN INTERSTELLAR He⁺ OBSERVED BY THE ACE SPACECRAFT AT 1 au. Astrophysical Journal, 2016, 830, 47.	4.5	22
41	Atmospheric radiation modeling of galactic cosmic rays using LRO/CRaTER and the EMMREM model with comparisons to balloon and airline based measurements. Space Weather, 2016, 14, 659-667.	3.7	5
42	VOYAGER OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS: 2â€“6 au. Astrophysical Journal, 2016, 822, 94.	4.5	29
43	Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER. Space Weather, 2015, 13, 560-567.	3.7	8
44	ACE observations of magnetic waves arising from newborn interstellar pickup helium ions. Geophysical Research Letters, 2015, 42, 9617-9623.	4.0	16
45	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. Space Weather, 2014, 12, 622-632.	3.7	55
46	<i>ULYSSES</i>OBSERVATIONS OF MAGNETIC WAVES DUE TO NEWBORN INTERSTELLAR PICKUP IONS. II. APPLICATION OF TURBULENCE CONCEPTS TO LIMITING WAVE ENERGY AND OBSERVABILITY. Astrophysical Journal, 2014, 787, 133.	4.5	33
47	Radiation modeling in the Earth and Mars atmospheres using LRO/CRaTER with the EMMREM Module. Space Weather, 2014, 12, 112-119.	3.7	8
48	Validation of PREDICCS using LRO/CRaTER observations during three major solar events in 2012. Space Weather, 2013, 11, 350-360.	3.7	21
49	OBSERVATION OF BERNSTEIN WAVES EXCITED BY NEWBORN INTERSTELLAR PICKUP IONS IN THE SOLAR WIND. Astrophysical Journal, 2012, 745, 112.	4.5	25
50	EXCITATION OF LOW-FREQUENCY WAVES IN THE SOLAR WIND BY NEWBORN INTERSTELLAR PICKUP IONS H⁺AND He⁺AS SEEN BY VOYAGER AT 4.5 AU. Astrophysical Journal, 2010, 724, 1256-1261.	4.5	33