

Richard C Willson

List of Publications by Year in descending order

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16
papers

1,638
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sun's luminosity over a complete solar cycle. <i>Nature</i> , 1991, 351, 42-44.	27.8	367
2	Solar luminosity variations in solar cycle 21. <i>Nature</i> , 1988, 332, 810-812.	27.8	298
3	Secular total solar irradiance trend during solar cycles 21-23. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	284
4	Total Solar Irradiance Trend During Solar Cycles 21 and 22. <i>Science</i> , 1997, 277, 1963-1965.	12.6	260
5	Solar irradiance variations and solar activity. <i>Journal of Geophysical Research</i> , 1982, 87, 4319-4326.	3.3	79
6	ACRIMâ€‘gap and TSI trend issue resolved using a surface magnetic flux TSI proxy model. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	61
7	ACRIM total solar irradiance satellite composite validation versus TSI proxy models. <i>Astrophysics and Space Science</i> , 2014, 350, 421-442.	1.4	52
8	How much has the Sun influenced Northern Hemisphere temperature trends? An ongoing debate. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 131.	1.7	43
9	Solar total irradiance observations by Active Cavity Radiometers. <i>Solar Physics</i> , 1981, 74, 217-229.	2.5	41
10	ACRIM3 and the Total Solar Irradiance database. <i>Astrophysics and Space Science</i> , 2014, 352, 341-352.	1.4	35
11	Planetary harmonics in the historical Hungarian aurora record (1523â€‘1960). <i>Planetary and Space Science</i> , 2013, 78, 38-44.	1.7	30
12	Empirical evidences for a planetary modulation of total solar irradiance and the TSI signature of the 1.09-year Earth-Jupiter conjunction cycle. <i>Astrophysics and Space Science</i> , 2013, 348, 25-39.	1.4	22
13	Modeling Quiet Solar Luminosity Variability from TSI Satellite Measurements and Proxy Models during 1980â€‘2018. <i>Remote Sensing</i> , 2019, 11, 2569.	4.0	22
14	Time-frequency analysis of total solar irradiance variations. <i>Geophysical Research Letters</i> , 1999, 26, 3613-3616.	4.0	20
15	Long-term variations in total solar irradiance. <i>Solar Physics</i> , 1994, 152, 13-21.	2.5	18
16	Comparison of Decadal Trends among Total Solar Irradiance Composites of Satellite Observations. <i>Advances in Astronomy</i> , 2019, 2019, 1-14.	1.1	6