

# Henrik Svensmark

## List of Publications by Year in descending order

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51  
papers

3,614  
citations

257357

24  
h-index

223716

46  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffuse sunlight and cosmic rays: Missing pieces of the forest growth change attribution puzzle?. Science of the Total Environment, 2022, 806, 150469.	3.9	1
2	Supernova Rates and Burial of Organic Matter. Geophysical Research Letters, 2022, 49, .	1.5	7
3	Sulphuric acid aerosols in low oxygen environments. Journal of Aerosol Science, 2022, 162, 105956.	1.8	0
4	Effects of Forbush decreases on clouds determined from PATMOS-x. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 230, 105845.	0.6	3
5	Atmospheric ionization and cloud radiative forcing. Scientific Reports, 2021, 11, 19668.	1.6	11
6	The IONâ€CAGE Code: A Numerical Model for the Growth of Charged and Neutral Aerosols. Earth and Space Science, 2020, 7, e2020EA001142.	1.1	5
7	Stochastic effects in H <sub>2</sub> SO <sub>4</sub> -H <sub>2</sub> O cluster growth. Aerosol Science and Technology, 2020, 54, 1007-1018.	1.5	2
8	Experimental study of H <sub>2</sub> SO <sub>4</sub> aerosol nucleation at high ionization levels. Atmospheric Chemistry and Physics, 2018, 18, 5921-5930.	1.9	11
9	A 3D particle Monte Carlo approach to studying nucleation. Journal of Computational Physics, 2018, 363, 30-38.	1.9	6
10	Increased ionization supports growth of aerosols into cloud condensation nuclei. Nature Communications, 2017, 8, 2199.	5.8	77
11	The response of clouds and aerosols to cosmic ray decreases. Journal of Geophysical Research: Space Physics, 2016, 121, 8152-8181.	0.8	52
12	Approximate analytical solutions to the condensation-coagulation equation of aerosols. Aerosol Science and Technology, 2016, 50, 578-590.	1.5	1
13	The solar and Southern Oscillation components in the satellite altimetry data. Journal of Geophysical Research: Space Physics, 2015, 120, 3297-3306.	0.8	3
14	Cosmic rays, clouds and climate. Europhysics News, 2015, 46, 26-29.	0.1	8
15	Response of cloud condensation nuclei ( $\text{H}_2\text{SO}_4$ ) to cosmic ray decreases. Journal of Geophysical Research: Space Physics, 2015, 120, 3297-3306.	0.9	55
16	Structures and reaction rates of the gaseous oxidation of SO <sub>2</sub> by an O <sub>3</sub> cluster â€ a density functional theory investigation. Atmospheric Chemistry and Physics, 2012, 12, 3639-3652.	1.9	14
17	An isotopic analysis of ionising radiation as a source of sulphuric acid. Atmospheric Chemistry and Physics, 2012, 12, 5319-5327.	1.9	14
18	Aerosol nucleation in an ultra-low ion density environment. Journal of Aerosol Science, 2012, 50, 75-85.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Evidence of nearby supernovae affecting life on Earth. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1234-1253.	1.6	52
20	Aerosol nucleation induced by a high energy particle beam. Geophysical Research Letters, 2011, 38, .	1.5	56
21	Ab initio studies of O <sub>2</sub> and O <sub>3</sub> anionic molecular clusters. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7133-7142.	1.9	43
22	Model of optical response of marine aerosols to Forbush decreases. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2765-2776.	1.9	15
23	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1635-1647.	1.9	96
24	Cosmic ray decreases affect atmospheric aerosols and clouds. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	172
25	Evidence for the Role of Ions in Aerosol Nucleation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10305-10309.	1.1	24
26	The role of atmospheric ions in aerosol nucleation – a review. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4911-4923.	1.9	97
27	Experimental evidence for the role of ions in particle nucleation under atmospheric conditions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 385-396.	1.0	140
28	Cosmoclimatology: a new theory emerges. <i>Astronomy and Geophysics</i> , 2007, 48, 1.18-1.24.	0.1	176
29	Imprint of Galactic dynamics on Earth's climate. <i>Astronomische Nachrichten</i> , 2006, 327, 866-870.	0.6	56
30	Cosmic rays and the biosphere over 4 billion years. <i>Astronomische Nachrichten</i> , 2006, 327, 871-875.	0.6	59
31	Comment on “Solar influences on cosmic rays and cloud formation: A reassessment” by Bomin Sun and Raymond S. Bradley. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	33
32	Solar Influence on Earth's Climate. <i>Space Science Reviews</i> , 2003, 107, 317-325.	3.7	64
33	Galactic cosmic ray and El Niño/Southern Oscillation trends in International Satellite Cloud Climatology Project D2 low cloud properties. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	72
34	Solar Influence on Earth's Climate. , 2003, , 317-325.		7
35	Reply to comments on “Variation of cosmic ray flux and global cloud coverage” a missing link in solar-climate relationships. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 79-80.	0.6	12
36	Cosmic Rays and Earth's Climate. <i>Space Science Reviews</i> , 2000, 93, 175-185.	3.7	73

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37	Cosmic Rays, Clouds, and Climate. Space Science Reviews, 2000, 94, 215-230.	3.7	180
38	Low Cloud Properties Influenced by Cosmic Rays. Physical Review Letters, 2000, 85, 5004-5007.	2.9	387
39	Cosmic Rays, Clouds, and Climate. Space Sciences Series of ISSI, 2000, , 215-230.	0.0	16
40	Cosmic Rays and Earth's Climate. Space Sciences Series of ISSI, 2000, , 175-185.	0.0	23
41	Influence of Cosmic Rays on Earth's Climate. Physical Review Letters, 1998, 81, 5027-5030.	2.9	295
42	Possible Mechanisms of Solar Activity Modulation of Earth Climate. Energy and Environment, 1998, 9, 721-725.	2.7	0
43	Correlations in sea-level elevations. Physical Review E, 1997, 56, 2605-2614.	0.8	2
44	Variation of cosmic ray flux and global cloud coverage—a missing link in solar-climate relationships. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 1225-1232.	0.6	919
45	What do we really know about the Sun-climate connection?. Advances in Space Research, 1997, 20, 913-921.	1.2	41
46	Forecast of atmospheric boundary-layer height utilised for ETEX real-time dispersion modelling. Physics and Chemistry of the Earth, 1996, 21, 435-439.	0.3	32
47	Contrasting atmospheric and climate dynamics of the last-glacial and Holocene periods. Nature, 1996, 379, 810-812.	13.7	137
48	Dynamic stabilization of a microwave-driven Josephson tunnel junction against a period-doubling bifurcation. IEEE Transactions on Magnetics, 1989, 25, 1408-1411.	1.2	0
49	Measurements of the high frequency loss near the plasma resonance in Josephson tunnel junctions. IEEE Transactions on Magnetics, 1987, 23, 1118-1121.	1.2	0
50	Period three generation on microwave-induced constant-voltage steps of Josephson tunnel junctions. IEEE Transactions on Magnetics, 1987, 23, 1061-1063.	1.2	2
51	One-third (period three) harmonic generation in microwave-driven Josephson tunnel junctions. Applied Physics Letters, 1986, 49, 1744-1746.	1.5	2