

Henri Reme

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,734
citations

304602

22
h-index

454834

30
g-index

31
all docs

31
docs citations

31
times ranked

2840
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment. <i>Annales Geophysicae</i> , 2001, 19, 1303-1354. | 0.6 | 1,040 |
| 2 | 67P/Churyumov-Gerasimenko, a Jupiter family comet with a high D/H ratio. <i>Science</i> , 2015, 347, 1261952. | 6.0 | 403 |
| 3 | Rosina – Rosetta Orbiter Spectrometer for Ion and Neutral Analysis. <i>Space Science Reviews</i> , 2007, 128, 745-801. | 3.7 | 331 |
| 4 | Abundant molecular oxygen in the coma of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2015, 526, 678-681. | 13.7 | 260 |
| 5 | Cluster observations of an intense normal component of the electric field at a thin reconnecting current sheet in the tail and its role in the shock-like acceleration of the ion fluid into the separatrix region. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 249 |
| 6 | Time variability and heterogeneity in the coma of 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0276. | 6.0 | 222 |
| 7 | Molecular nitrogen in comet 67P/Churyumov-Gerasimenko indicates a low formation temperature. <i>Science</i> , 2015, 348, 232-235. | 6.0 | 195 |
| 8 | Xenon isotopes in 67P/Churyumov-Gerasimenko show that comets contributed to Earth's atmosphere. <i>Science</i> , 2017, 356, 1069-1072. | 6.0 | 161 |
| 9 | Cluster observations of continuous reconnection at the magnetopause under steady interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2004, 22, 2355-2367. | 0.6 | 118 |
| 10 | Elemental and molecular abundances in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 594-607. | 1.6 | 112 |
| 11 | Detection of argon in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2015, 1, e1500377. | 4.7 | 87 |
| 12 | The HIA instrument on board the Tan Ce 1 Double Star near-equatorial spacecraft and its first results. <i>Annales Geophysicae</i> , 2005, 23, 2757-2774. | 0.6 | 76 |
| 13 | First current density measurements in the ring current region using simultaneous multi-spacecraft CLUSTER-FGM data. <i>Annales Geophysicae</i> , 2005, 23, 1849-1865. | 0.6 | 67 |
| 14 | Change of outgassing pattern of 67P/Churyumov-Gerasimenko during the March 2016 equinox as seen by ROSINA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S108-S117. | 1.6 | 66 |
| 15 | Characteristics of high altitude oxygen ion energization and outflow as observed by Cluster: a statistical study. <i>Annales Geophysicae</i> , 2006, 24, 1099-1112. | 0.6 | 55 |
| 16 | Krypton isotopes and noble gas abundances in the coma of comet 67P/Churyumov-Gerasimenko. <i>Science Advances</i> , 2018, 4, eaar6297. | 4.7 | 52 |
| 17 | Halogens as tracers of protosolar nebula material in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1336-1345. | 1.6 | 44 |
| 18 | South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 34 |

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|----|--|-----|-----------|
| 19 | Cluster observations of surface waves in the ion jets from magnetotail reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 28 |
| 20 | Multipoint observations of ionic structures in the plasmasphere by CLUSTER CIS and comparisons with IMAGE-EUV observations and with model simulations. Geophysical Monograph Series, 2005, , 23-53. | 0.1 | 27 |
| 21 | Evidence for distributed gas sources of hydrogen halides in the coma of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S695-S711. | 1.6 | 27 |
| 22 | The location of the open-closed magnetic field line boundary in the dawn sector auroral ionosphere. Annales Geophysicae, 2004, 22, 3625-3639. | 0.6 | 24 |
| 23 | Entropy Generation across Earth's Collisionless Bow Shock. Physical Review Letters, 2012, 108, 061102. | 2.9 | 16 |
| 24 | Flux transfer events simultaneously observed by Polar and Cluster: Flux rope in the subsolar region and flux tube addition to the polar cusp. Journal of Geophysical Research, 2008, 113, . | 3.3 | 13 |
| 25 | Oxygen Ions O^{+} Energized by Kinetic Alfvén Eigenmode During Dipolarizations of Intense Substorms. Journal of Geophysical Research: Space Physics, 2017, 122, 11,256. | 0.8 | 10 |
| 26 | TRANSPORT OF SOLAR WIND H^{+} AND He^{++} IONS ACROSS EARTH'S BOW SHOCK. Astrophysical Journal Letters, 2016, 825, L27. | 3.0 | 7 |
| 27 | Cluster observations of unusually high concentration of energetic O^{+} carried by flux ropes in the nightside high-latitude magnetosheath during a storm initial phase. Journal of Geophysical Research: Space Physics, 2015, 120, 8317-8326. | 0.8 | 4 |
| 28 | Influence of the IMF Cone Angle on Invariant Latitudes of Polar Region Footprints of FACs in the Magnetotail: Cluster Observation. Journal of Geophysical Research: Space Physics, 2018, 123, 2588-2597. | 0.8 | 4 |
| 29 | Conjunction Observations of Energetic Oxygen Ions O^{+} Accumulated in the Sequential Flux Ropes in the High-Altitude Cusp. Journal of Geophysical Research: Space Physics, 2019, 124, 7912-7922. | 0.8 | 1 |
| 30 | Turning Instrument Background Into Science Data for Structural Features of Radiation Belts. Journal of Geophysical Research: Space Physics, 2021, 126, . | 0.8 | 1 |
| 31 | Impact of the Solar Wind Dynamic Pressure on the Field-Aligned Currents in the Magnetotail: Cluster Observation. Journal of Geophysical Research: Space Physics, 2021, 126, . | 0.8 | 0 |