

# Wlodek Kofman

## List of Publications by Year in descending order

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191  
papers

5,309  
citations

87843

38  
h-index

106281

65  
g-index

205  
all docs

205  
docs citations

205  
times ranked

2987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionosphere of Mars during the consecutive solar minima 23/24 and 24/25 as seen by MARSIS-Mars Express. <i>Icarus</i> , 2023, 393, 114616.	1.1	4
2	EI + FWI Method for Reconstructing Interior Structure of Asteroid Using Lander-to-Orbiter Bistatic Radar System. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	2.7	0
3	The Basal Detectability of an Ice-Covered Mars by MARSIS. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	12
4	Multi-temporal phenological indices derived from time series Sentinel-1 images to country-wide crop classification. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 107, 102683.	1.4	9
5	Performances of the Passive SAR Imaging of Jupiter's Icy Moons. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	2.7	1
6	Asteroids Inside Out: Radar Tomography. , 2021, 53, .		1
7	Time analysis for a bistatic radar for asteroid tomography: simulations and test bench. <i>CEAS Space Journal</i> , 2021, 13, 653-664.	1.1	0
8	3D Time-domain electromagnetic full waveform inversion in Debye dispersive medium accelerated by multi-GPU paralleling. <i>Computer Physics Communications</i> , 2021, 265, 108002.	3.0	4
9	Ultra-Wideband SAR Tomography on Asteroids. <i>Radio Science</i> , 2021, 56, e2020RS007186.	0.8	3
10	Rosetta CONSERT Data as a Testbed for In Situ Navigation of Space Probes and Radiosciences in Orbit/Escort Phases for Small Bodies of the Solar System. <i>Remote Sensing</i> , 2021, 13, 3747.	1.8	2
11	Angular and radial sampling criteria for monostatic and bistatic radar tomography of solar system small bodies. <i>Advances in Space Research</i> , 2021, 68, 3903-3924.	1.2	2
12	A new method for determining the total electron content in Mars's ionosphere based on Mars Express MARSIS data. <i>Planetary and Space Science</i> , 2020, 182, 104812.	0.9	3
13	Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model. , 2020, , .		3
14	The Global Search for Liquid Water on Mars from Orbit: Current and Future Perspectives. <i>Life</i> , 2020, 10, 120.	1.1	16
15	The interior of Comet 67P/C-G; revisiting CONSERT results with the exact position of the Philae lander. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2616-2622.	1.6	12
16	SPRATS: a versatile Simulation and Processing RAdar Tools for planetary missions. , 2020, , .		2
17	Post-rendezvous radar properties of comet 67P/CG from the Rosetta Mission: understanding future Earth-based radar observations and the dynamical evolution of comets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1667-1683.	1.6	4
18	Imaging the interior of small Solar bodies: towards a quantitative approach. , 2019, , .		0

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19	Multi-Temporal Indices Derived from Time Series of Sentinel-1 Images as a Phenological Description of Plants Growing for Crop Classification. , 2019, , .		1
20	Homogeneity of 67P/Churyumov-Gerasimenko as seen by CONSERT: implication on composition and formation. <i>Astronomy and Astrophysics</i> , 2019, 630, A6.	2.1	23
21	The search campaign to identify and image the Philae Lander on the surface of comet 67P/Churyumov-Gerasimenko. <i>Acta Astronautica</i> , 2019, 157, 199-214.	1.7	9
22	MoMo: a new empirical model of the Mars ionospheric total electron content based on Mars Express MARSIS data. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A36.	1.1	10
23	A radar package for asteroid subsurface investigations: Implications of implementing and integration into the MASCOT nanoscale landing platform from science requirements to baseline design. <i>Acta Astronautica</i> , 2019, 156, 317-329.	1.7	12
24	Simulation of SAR images of urban areas by using the ray tracing method with measured values of backscatter coefficients. <i>International Journal of Remote Sensing</i> , 2018, 39, 2671-2689.	1.3	1
25	Imaging the interior of a comet from bistatic microwave measurements: Case of a scale comet model. <i>Advances in Space Research</i> , 2018, 62, 1977-1986.	1.2	9
26	Direct observations of asteroid interior and regolith structure: Science measurement requirements. <i>Advances in Space Research</i> , 2018, 62, 2141-2162.	1.2	54
27	The Castalia mission to Main Belt Comet 133P/Elst-Pizarro. <i>Advances in Space Research</i> , 2018, 62, 1947-1976.	1.2	27
28	Multi-temporal polarimetry in land-cover classification. <i>International Journal of Remote Sensing</i> , 2018, 39, 8182-8199.	1.3	3
29	The CONSERT operations planning process for the Rosetta mission. , 2018, , .		0
30	Imaging the inner structure of a comet from few measurements in a bistatic scenario: case of a scale model.. , 2018, , .		0
31	Oversampled Pulse Compression Based on Signal Modeling: Application to CONSERT/Rosetta Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 2225-2238.	2.7	9
32	The Philae lander mission and science overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160248.	1.6	53
33	Reconstruction of the flight and attitude of Rosetta's lander Philae. <i>Acta Astronautica</i> , 2017, 140, 509-516.	1.7	4
34	Orbital bistatic radar observations of asteroid Vesta by the Dawn mission. <i>Nature Communications</i> , 2017, 8, 409.	5.8	8
35	The WISDOM Radar: Unveiling the Subsurface Beneath the ExoMars Rover and Identifying the Best Locations for Drilling. <i>Astrobiology</i> , 2017, 17, 565-584.	1.5	50
36	CONSERT constrains the internal structure of 67P at a few metres size scale. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S805-S817.	1.6	21

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37	A porosity gradient in 67P/C-G nucleus suggested from CONSERT and SESAME-PP results: an interpretation based on new laboratory permittivity measurements of porous icy analogues. Monthly Notices of the Royal Astronomical Society, 2016, 462, S89-S98.	1.6	29
38	Characterization of the permittivity of controlled porous water ice-dust mixtures to support the radar exploration of icy bodies. Journal of Geophysical Research E: Planets, 2016, 121, 2426-2443.	1.5	17
39	Rosetta lander Philae: Flight Dynamics analyses for landing site selection and post-landing operations. Acta Astronautica, 2016, 125, 65-79.	1.7	26
40	Assessing the potential for passive radio sounding of Europa and Ganymede with RIME and REASON. Planetary and Space Science, 2016, 134, 52-60.	0.9	36
41	Cosmochemical implications of CONSERT permittivity characterization of 67P/CG. Monthly Notices of the Royal Astronomical Society, 2016, 462, S516-S532.	1.6	59
42	The CONSERT operations planning process for the Rosetta mission. Acta Astronautica, 2016, 125, 212-233.	1.7	11
43	The morphology of the topside ionosphere of Mars under different solar wind conditions: Results of a multi-instrument observing campaign by Mars Express in 2010. Planetary and Space Science, 2016, 120, 24-34.	0.9	12
44	Observations of the surface of Titan by the Radar Altimeters on the Huygens Probe. Icarus, 2016, 270, 248-259.	1.1	4
45	The influence of filtration and decomposition window size on the threshold value and accuracy of land-cover classification of polarimetric SAR images. International Journal of Remote Sensing, 2016, 37, 212-228.	1.3	9
46	CONSERT suggests a change in local properties of 67P/Churyumov-Gerasimenko's nucleus at depth. Astronomy and Astrophysics, 2015, 583, A40.	2.1	37
47	Permittivity measurements of porous matter in support of investigations of the surface and interior of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A39.	2.1	12
48	Computing low-frequency radar surface echoes for planetary radar using Huygens's Fresnel's principle. Radio Science, 2015, 50, 1097-1109.	0.8	21
49	The equivalent slab thickness of Mars' ionosphere: Implications for thermospheric temperature. Geophysical Research Letters, 2015, 42, 3560-3568.	1.5	8
50	Total electron content in the Martian atmosphere: A critical assessment of the Mars Express MARSIS data sets. Journal of Geophysical Research: Space Physics, 2015, 120, 2166-2182.	0.8	32
51	Mars Advanced Radar for Subsurface and Ionospheric Sounding (MARSIS) after nine years of operation: A summary. Planetary and Space Science, 2015, 112, 98-114.	0.9	66
52	Jupiter ICY moon explorer (JUICE): Advances in the design of the radar for Icy Moons (RIME). , 2015, , .		29
53	The landing(s) of Philae and inferences about comet surface mechanical properties. Science, 2015, 349, aaa9816.	6.0	212
54	Properties of the 67P/Churyumov-Gerasimenko interior revealed by CONSERT radar. Science, 2015, 349, aab0639.	6.0	178

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55	CONSERT line-of-sight link budget simulator. Planetary and Space Science, 2015, 111, 55-61.	0.9	4
56	Philae localization from CONSERT/Rosetta measurement. Planetary and Space Science, 2015, 117, 475-484.	0.9	18
57	Philae's First Days on the Comet. Science, 2015, 349, 493-493.	6.0	40
58	Imaging of a scaled comet model from lab experiments. , 2014, , .		1
59	Variability in ionospheric total electron content at Mars. Planetary and Space Science, 2013, 86, 117-129.	0.9	16
60	A study on Ganymede's surface topography: Perspectives for radar sounding. Planetary and Space Science, 2013, 77, 40-44.	0.9	14
61	RIME: Radar for Icy Moon Exploration. , 2013, , .		57
62	Operation of CONSERT aboard Rosetta during the descent of Philae. Planetary and Space Science, 2013, 89, 151-158.	0.9	4
63	How the Saint Santin incoherent scatter system paved the way for a French involvement in EISCAT. History of Geo- and Space Sciences, 2013, 4, 97-103.	0.1	4
64	Radar techniques to study subsurfaces and interiors of the solar system objects. , 2012, , .		5
65	Dielectric map of the Martian northern hemisphere and the nature of plain filling materials. Geophysical Research Letters, 2012, 39, .	1.5	112
66	Radar properties of comets: Parametric dielectric modeling of Comet 67P/Churyumovâ€™Gerasimenko. Icarus, 2012, 221, 925-939.	1.1	50
67	Quantitative analysis of Mars surface radar reflectivity at 20MHz. Icarus, 2012, 220, 84-99.	1.1	52
68	Natural radio emission of Jupiter as interferences for radar investigations of the icy satellites of Jupiter. Planetary and Space Science, 2012, 61, 32-45.	0.9	35
69	Rosetta rendezvous and CONSERT operations in 2014: A chimeric surface model of 67P/Churyumov Gerasimenko. Planetary and Space Science, 2012, 67, 84-91.	0.9	4
70	PSTD-based approach to a large-scale inverse scattering problem. , 2011, , .		1
71	Subsurface Radar Sounding of the Jovian Moon Ganymede. Proceedings of the IEEE, 2011, 99, 837-857.	16.4	49
72	Large asymmetric polar scarps on Planum Australe, Mars: Characterization and evolution. Icarus, 2011, 212, 96-109.	1.1	15

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73	Appearance of layered structures in numerical simulations of polydisperse bodies accretion: Application to cometary nuclei. <i>Icarus</i> , 2011, 213, 369-381.	1.1	9
74	Radar Signal Propagation and Detection Through Ice. <i>Space Science Reviews</i> , 2010, 153, 249-271.	3.7	17
75	The 3â€“5MHz global reflectivity map of Mars by MARSIS/Mars Express: Implications for the current inventory of subsurface H <sub>2</sub> O. <i>Icarus</i> , 2010, 210, 612-625.	1.1	82
76	Detectability of subsurface interfaces in lunar maria by the LRS/SELENE sounding radar: Influence of mineralogical composition. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	29
77	Three-dimensional reconstruction of a comet nucleus by optimal control of Maxwell's equations: A contribution to the experiment CONSERT onboard space craft Rosetta. , 2010, , .		9
78	Radar Signal Propagation and Detection Through Ice. <i>Space Sciences Series of ISSI</i> , 2010, , 247-269.	0.0	0
79	Microwave imaging from experimental data within a Bayesian framework with realistic random noise. <i>Inverse Problems</i> , 2009, 25, 024005.	1.0	34
80	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	1.6	77
81	MARSIS surface reflectivity of the south residual cap of Mars. <i>Icarus</i> , 2009, 201, 454-459.	1.1	28
82	The Mars express MARSIS sounder instrument. <i>Planetary and Space Science</i> , 2009, 57, 1975-1986.	0.9	134
83	Surface echo reduction by clutter simulation, application to the Marsis data. , 2009, , .		1
84	North polar deposits of Mars: Extreme purity of the water ice. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	129
85	The Comet Nucleus Sounding Experiment by Radio-wave Transmission (CONSERT). , 2009, , 1-17.		1
86	Correction of the ionospheric distortion on the MARSIS surface sounding echoes. <i>Planetary and Space Science</i> , 2008, 56, 917-926.	0.9	68
87	Observations of aurorae by SPICAM ultraviolet spectrograph on board Mars Express: Simultaneous ASPERAâ€“3 and MARSIS measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	70
88	Generation of the lower-thermospheric vertical wind estimated with the EISCAT KST radar at high latitudes during periods of moderate geomagnetic disturbance. <i>Annales Geophysicae</i> , 2008, 26, 1491-1505.	0.6	15
89	Subsurface Radar Sounding of the South Polar Layered Deposits of Mars. <i>Science</i> , 2007, 316, 92-95.	6.0	330
90	Accumulation and Erosion of Mars' South Polar Layered Deposits. <i>Science</i> , 2007, 317, 1715-1718.	6.0	84

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91	Estimation of the total electron content of the Martian ionosphere using radar sounder surface echoes. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	115
92	The Comet Nucleus Sounding Experiment by Radiowave Transmission (CONSERT): A Short Description of the Instrument and of the Commissioning Stages. <i>Space Science Reviews</i> , 2007, 128, 413-432.	3.7	116
93	A short review on the F1-region ion composition in the auroral and polar ionosphere. <i>Advances in Space Research</i> , 2006, 37, 913-918.	1.2	6
94	Top layers characterization of the Martian surface: Permittivity estimation based on geomorphology analysis. <i>Planetary and Space Science</i> , 2006, 54, 337-344.	0.9	8
95	The ISHTAR Mission: Probing the Internal Structure of NEOs. <i>Highlights of Astronomy</i> , 2005, 13, 738-742.	0.0	2
96	Internal structure of Near-Earth Objects. <i>Comptes Rendus Physique</i> , 2005, 6, 321-326.	0.3	10
97	Radar Soundings of the Subsurface of Mars. <i>Science</i> , 2005, 310, 1925-1928.	6.0	327
98	MEP (Mars Environment Package): toward a package for studying environmental conditions at the surface of Mars from future lander/rover missions. <i>Advances in Space Research</i> , 2004, 34, 1702-1709.	1.2	7
99	Generation of 3-D Synthetic Data for the Modeling of the CONSERT Experiment (The Radiotomography) <i>Tj ETQq1 1 0.784314 rgBT /C</i> 709-716.	3.1	11
100	Radar signal simulation: Surface modeling with the Facet Method. <i>Radio Science</i> , 2004, 39, n/a-n/a.	0.8	75
101	Peering inside near-Earth objects with radio tomography. , 2004, , 201-233.		3
102	Impact of Mars ionosphere on orbital radar sounder operation and data processing. <i>Planetary and Space Science</i> , 2003, 51, 505-515.	0.9	70
103	GPR, a ground-penetrating radar for the Netlander mission. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	28
104	Data set generation and inversion simulation of radio waves propagating through a two-dimensional comet nucleus (CONSERT experiment). <i>Radio Science</i> , 2002, 37, 3-1-3-16.	0.8	9
105	A priori information required for a two or three dimensional reconstruction of the internal structure of a comet nucleus (consert experiment). <i>Advances in Space Research</i> , 2002, 29, 715-724.	1.2	10
106	Simulation of the concert instrument of the Rosetta mission. <i>Advances in Space Research</i> , 2002, 29, 1209-1214.	1.2	0
107	Dielectric properties of comet analog refractory materials. <i>Planetary and Space Science</i> , 2002, 50, 857-863.	0.9	41
108	Generation of atmospheric gravity waves associated with auroral activity in the polar region. <i>Journal of Geophysical Research</i> , 2001, 106, 18543-18554.	3.3	18

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109	HF radio wave attenuation due to a meteoric layer in the atmosphere of Mars. Geophysical Research Letters, 2001, 28, 3039-3042.	1.5	24
110	Effects of auroral arcs on the generation of gravity waves in the auroral F-region. Advances in Space Research, 2001, 27, 1767-1772.	1.2	1
111	Antennas for sounding of a cometary nucleus in the ROSETTA mission. , 2001, , .		8
112	&lt;i&gt;Letter to the Editor&lt;/i&gt;Effects of hot oxygen in the ionosphere: &lt;i&gt;TRANSCAR&lt;/i&gt; simulations. Annales Geophysicae, 2001, 19, 257-261.	0.6	2
113	An interpretation of ion composition diurnal variation deduced from EISCAT observations. Annales Geophysicae, 2001, 19, 351-358.	0.6	5
114	<title>GPR on Mars NetLander</title>. , 2000, 4084, 737.		0
115	The GPR experiment on NETLANDER. Planetary and Space Science, 2000, 48, 1161-1180.	0.9	24
116	Effects of atmospheric oscillations on the field-aligned ion motions in the polar F-region. Annales Geophysicae, 2000, 18, 1154-1163.	0.6	5
117	Incoherent scatter technique applied to study the terrestrial ionosphere and thermosphere. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 555-562.	0.2	2
118	A characterization of a comet nucleus interior:. Planetary and Space Science, 1999, 47, 885-904.	0.9	42
119	Aspect angle dependence of HF enhanced incoherent backscatter. Advances in Space Research, 1999, 24, 1003-1006.	1.2	50
120	A two dimensional simulation of the CONSERT experiment (radio tomography of comet Wirtanen). Advances in Space Research, 1999, 24, 1127-1138.	1.2	30
121	The CONSERT instrument for the ROSETTA mission. Advances in Space Research, 1999, 24, 1115-1126.	1.2	21
122	A search for the location of the HF excitation of enhanced ion acoustic and langmuir waves with eiscat and the tromsÅ heater. Radiophysics and Quantum Electronics, 1999, 42, 533-543.	0.1	15
123	On the usefulness of &lt;i&gt;E&lt;/i&gt; region electron temperatures and lower &lt;i&gt;F&lt;/i&gt; region ion temperatures for the extraction of thermospheric parameters: a case study. Annales Geophysicae, 1999, 17, 1182-1198.	0.6	25
124	On the usefulness of. Annales Geophysicae, 1999, 17, 1182.	0.6	2
125	Foreword, Eighth EISCAT Workshop. Annales Geophysicae, 1998, 16, 1137-1137.	0.6	0
126	Ion composition measurements and modelling at altitudes from 140 to 350 km using EISCAT measurements. Annales Geophysicae, 1998, 16, 1159-1168.	0.6	14



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127	Electron velocity distribution function in a plasma with temperature gradient and in the presence of suprathermal electrons: application to incoherent-scatter plasma lines. <i>Annales Geophysicae</i> , 1998, 16, 1226-1240.	0.6	8
128	Proton transport model in the ionosphere. 2. Influence of magnetic mirroring and collisions on the angular redistribution in a proton beam. <i>Annales Geophysicae</i> , 1998, 16, 1308-1321.	0.6	27
129	Comet nucleus sounding experiment by radiowave transmission. <i>Advances in Space Research</i> , 1998, 21, 1589-1598.	1.2	90
130	Proton transport model in the ionosphere: 1. Multistream approach of the transport equations. <i>Journal of Geophysical Research</i> , 1997, 102, 22261-22272.	3.3	46
131	On origin of outshifted plasma lines during HF modification experiments. <i>Journal of Geophysical Research</i> , 1997, 102, 27265-27269.	3.3	30
132	Determination of the ice dielectric permittivity using the data of the test in Antarctica of the ground-penetrating radar for Mars'98 mission. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1997, 35, 1338-1349.	2.7	13
133	THE DIGITAL WAVE-PROCESSING EXPERIMENT ON CLUSTER. <i>Space Science Reviews</i> , 1997, 79, 209-231.	3.7	32
134	The Cluster Spatio-Temporal Analysis of Field Fluctuations (STAFF) Experiment. <i>Space Science Reviews</i> , 1997, 79, 107-136.	3.7	148
135	Comparison between EISCAT UHF and VHF backscattering cross section. <i>Journal of Geophysical Research</i> , 1996, 101, 2369-2376.	3.3	19
136	In situ generation of intense parallel electric fields in the lower ionosphere. <i>Journal of Geophysical Research</i> , 1996, 101, 335-356.	3.3	27
137	Neutral dynamics of the high latitude E region from EISCAT measurements: a new approach. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 121-138.	0.9	15
138	Non-thermal ionospheric plasma studies using the incoherent scatter technique. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 965-978.	0.9	4
139	Alternating-code experiment for plasma-line studies. <i>Annales Geophysicae</i> , 1996, 14, 1473-1479.	0.6	2
140	Ionospheric composition measurement by EISCAT using a global fit procedure. <i>Annales Geophysicae</i> , 1996, 14, 1496-1505.	0.6	19
141	Auroral ionospheric conductivities: a comparison between experiment and modeling, and theoretical f. <i>Annales Geophysicae</i> , 1996, 14, 1297.	0.6	2
142	Alternating-code experiment for plasma-line studies. <i>Annales Geophysicae</i> , 1996, 14, 1473.	0.6	3
143	Ionospheric composition measurement by EISCAT using a global fit procedure. <i>Annales Geophysicae</i> , 1996, 14, 1496.	0.6	1
144	Mars 96 GPR program. <i>Journal of Applied Geophysics</i> , 1995, 33, 27-37.	0.9	13

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145	Mars 96 GPR program. , 1995, 33, 27-27.		6
146	Ground penetrating radar sounding of a temperate glacier; modelling of a multilayered medium1. Geophysical Prospecting, 1994, 42, 715-734.	1.0	10
147	Heat flow effect on the plasma line frequency. Journal of Geophysical Research, 1993, 98, 6079-6085.	3.3	15
148	A new scenario for the measurement of the auroral plasma parameters in the non-Maxwellian state. Geophysical Research Letters, 1993, 20, 2691-2694.	1.5	6
149	An HF bi-phase shift keying radar: application to ice sounding in Western Alps and Spitsbergen glaciers. IEEE Transactions on Geoscience and Remote Sensing, 1992, 30, 1025-1033.	2.7	7
150	Energy deposition in the E and F regions of the high-latitude ionosphere. Advances in Space Research, 1992, 12, 137-146.	1.2	0
151	Source separation using higher order statistics. Journal of Atmospheric and Solar-Terrestrial Physics, 1992, 54, 1217-1226.	0.9	7
152	Auroral ionospheric and thermospheric measurements using the incoherent scatter technique. Surveys in Geophysics, 1992, 13, 551-571.	2.1	7
153	Evidence of anisotropic temperatures of molecular ions in the auroral ionosphere. Geophysical Research Letters, 1991, 18, 163-166.	1.5	13
154	Mapping of overspread targets in radar astronomy. Radio Science, 1991, 26, 403-416.	0.8	15
155	Co-ordinated EISCAT-MICADO interferometer measurements of neutral winds and temperatures in E- and F-regions. Journal of Atmospheric and Solar-Terrestrial Physics, 1990, 52, 625-636.	0.9	15
156	Electron heating by plasma waves in the high latitude E-region and related effects: Observations. Advances in Space Research, 1990, 10, 225-237.	1.2	27
157	New phenomena observed by EISCAT during an RF ionospheric modification experiment. Radio Science, 1990, 25, 251-262.	0.8	44
158	Electron energy budget in the high-latitude ionosphere during Viking/Eiscat coordinated measurements. Journal of Geophysical Research, 1990, 95, 6081-6092.	3.3	13
159	STARE and EISCAT measurements: Evidence for the limitation of STARE Doppler velocity observations by the ion acoustic velocity. Journal of Geophysical Research, 1990, 95, 19131-19135.	3.3	21
160	The F- and E-region studies by incoherent scatter radar. Advances in Space Research, 1989, 9, 7-17.	1.2	4
161	Comment on "The effect of strong velocity shears on incoherent scatter spectra: A new interpretation of unusual high latitude spectra". Geophysical Research Letters, 1989, 16, 337-338.	1.5	1
162	Observation by the incoherent scatter technique of the hot spots in the auroral zone ionosphere. Geophysical Research Letters, 1987, 14, 1158-1161.	1.5	12

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163	Observations of small-scale plasma density depletions in Arecibo HF Heating Experiments. <i>Journal of Geophysical Research</i> , 1987, 92, 4629-4637.	3.3	28
164	Neutral atmosphere studies in the altitude range 90–110 km using EISCAT. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1986, 48, 837-847.	0.9	25
165	Incoherent scatter measurements in the F1-region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1986, 48, 857-866.	0.9	5
166	Small-Scale Plasma-Density Depletions in Arecibo High-Frequency Modification Experiments. <i>Physical Review Letters</i> , 1986, 57, 1008-1011.	2.9	68
167	Adaptive Estimator of a Filter and Its Inverse. <i>IEEE Transactions on Communications</i> , 1985, 33, 1281-1284.	4.9	0
168	Eiscat multipulse technique and its contribution to auroral ionosphere and thermosphere description. <i>Journal of Geophysical Research</i> , 1985, 90, 3520-3524.	3.3	24
169	The EISCAT mesospheric measurements during the CAMP campaign. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1984, 46, 565-575.	0.9	23
170	Experimental evidence of non-isotropic temperature distributions of ions observed by EISCAT in the auroral F-region. <i>Geophysical Research Letters</i> , 1984, 11, 519-522.	1.5	16
171	Very high electron temperatures in the daytime F region at Sondrestrom. <i>Geophysical Research Letters</i> , 1984, 11, 919-922.	1.5	47
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