

# Pierre Kaufmann

## List of Publications by Year in descending order

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54  
papers

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citations

567281

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g-index

55  
all docs

55  
docs citations

55  
times ranked

426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarized solar activity at mm-waves. , 2017, , .		0
2	SPECTRAL AND IMAGING OBSERVATIONS OF A WHITE-LIGHT SOLAR FLARE IN THE MID-INFRARED. Astrophysical Journal Letters, 2016, 819, L30.	8.3	26
3	Coherent Synchrotron Radiation in Laboratory Accelerators and the Double-Spectral Feature in Solar Flares. Proceedings of the International Astronomical Union, 2016, 12, 134-136.	0.0	0
4	THE CONTRIBUTION OF MICROBLUNCHING INSTABILITY TO SOLAR FLARE EMISSION IN THE GHz TO THz RANGE OF FREQUENCIES. Astrophysical Journal, 2014, 791, 31.	4.5	8
5	THz photometers for solar flare observations from space. Experimental Astronomy, 2014, 37, 579-598.	3.7	7
6	Lower ionosphere monitoring by the South America VLF Network (SAVNET): <i>C</i> region occurrence and atmospheric temperature variability. Journal of Geophysical Research: Space Physics, 2013, 118, 6686-6693.	2.4	6
7	Unusual Emissions at Various Energies Prior to the Impulsive Phase of the Large Solar Flare and Coronal Mass Ejection of 4 November 2003. Solar Physics, 2012, 279, 465-475.	2.5	2
8	Terahertz Photometer to Observe Solar Flares in Continuum. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 192-205.	2.2	7
9	SUB-THz AND H $\pm$ ACTIVITY DURING THE PREFLARE AND MAIN PHASES OF A<i>GOES</i>-CLASS M2 EVENT. Astrophysical Journal, 2011, 742, 106.	4.5	6
10	Solar“terrestrial, ionospheric and natural phenomena studies using the South America VLF network (SAVNET). Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1581-1586.	1.6	5
11	THz solar telescope for detection flare synchrotron radiation. , 2011, , .		1
12	Fast Mid-IR Flashes Detected During Small Solar X-Ray Bursts. Solar Physics, 2010, 264, 71-79.	2.5	3
13	Precision Clock and Time Transfer on a Wireless Telecommunication Link. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 512-518.	4.7	7
14	Solar flare detection sensitivity using the South America VLF Network (SAVNET). Journal of Geophysical Research, 2010, 115, .	3.3	35
15	RAPID PULSATIONS IN SUB-THz SOLAR BURSTS. Astrophysical Journal, 2009, 697, 420-427.	4.5	22
16	The South America VLF NETWORK (SAVNET). Earth, Moon and Planets, 2009, 104, 247-261.	0.6	37
17	Sub-terahertz, Microwaves and High Energy Emissions During the 6 December 2006 Flare, at18:40UT. Solar Physics, 2009, 255, 131-142.	2.5	31
18	“A New Setup for Ground-based Measurements of Solar Activity at 10 $\frac{1}{4}$ m“ (PASP, 118, 1558 [2006]). Publications of the Astronomical Society of the Pacific, 2009, 121, 1296-1296.	3.1	3

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19	Metal mesh resonant filters for terahertz frequencies. <i>Applied Optics</i> , 2008, 47, 6064.	2.1	82
20	New telescopes for ground-based solar observations at submillimeter and mid-infrared. <i>Proceedings of SPIE</i> , 2008, , .	0.8	29
21	On the detectability of solar X-ray flares using very low frequency sudden phase anomalies. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1029-1035.	1.6	35
22	Can microbunch instability on solar flare accelerated electron beams account for bright broadband coherent synchrotron microwaves?. <i>Physics of Plasmas</i> , 2006, 13, 070701.	1.9	29
23	Diffuse Component Spectra of Solar Active Regions at Submillimeter Wavelengths. <i>Solar Physics</i> , 2005, 227, 265-281.	2.5	16
24	Analysis of the impulsive phase of a solar flare at submillimeter wavelengths. <i>Solar Physics</i> , 2004, 223, 181-199.	2.5	31
25	A New Solar Burst Spectral Component Emitting Only in the Terahertz Range. <i>Astrophysical Journal</i> , 2004, 603, L121-L124.	4.5	103
26	Properties of Fast Submillimeter Time Structures during a Large Solar Flare. <i>Astrophysical Journal</i> , 2003, 592, 580-589.	4.5	22
27	Solar Observations at Submillimeter Wavelengths. <i>Lecture Notes in Physics</i> , 2003, , 294-313.	0.7	3
28	Solar flares not producing sudden phase advances. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 30-1-SIA 30-4.	3.3	10
29	Interpretation of fast ripple structure in solar impulsive bursts. <i>Solar Physics</i> , 1985, 97, 363-373.	2.5	17
30	The fast explosive evaporation of mini black holes and flares at magnetospheres: An attractive speculative analogy. <i>Astrophysics and Space Science</i> , 1978, 57, 249-252.	1.4	1
31	Fast time structures superimposed to impulsive solar microwave bursts with slowly varying or stationary polarization degree. <i>Solar Physics</i> , 1978, 60, 367-381.	2.5	8
32	On the relation of SPA measured at VLF to solar microwave burst energies. <i>Solar Physics</i> , 1978, 57, 479-481.	2.5	1
33	4.7s nearly periodic oscillations superimposed on the solar microwave great burst of 28 March 1976. <i>Solar Physics</i> , 1977, 54, 179-182.	2.5	15
34	Comments on pulses of characteristic energy produced in solar flare detonations and its possible application to other astrophysical plasmas. <i>Astrophysics and Space Science</i> , 1977, 49, 123-131.	1.4	2
35	A qualitative discussion on the possibility of gravitational instabilities at the origin of explosions in magnetospheres. <i>Astrophysics and Space Science</i> , 1977, 52, 429-434.	1.4	2
36	Polarization of a periodic solar microwave burst. <i>Solar Physics</i> , 1976, 50, 197.	2.5	2

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37	Coupling of microwaves at a selected solar active centre. Solar Physics, 1974, 34, 189-191.	2.5	1
38	Possible low ionosphere response to very hard X-rays from Cygnus X-3 bursts in september 1972. Astrophysics and Space Science, 1973, 22, 67-70.	1.4	5
39	The New Itapetinga Radio Observatory, from Mackenzie University, São Paulo, Brasil. Solar Physics, 1971, 18, 336-339.	2.5	6
40	VLF Propagation Effects produced by the Eclipse. Nature, 1970, 226, 1127-1129.	27.8	11
41	Observations with a 7 GHz Polarimeter. Nature, 1970, 226, 1153-1154.	27.8	3
42	Night-time Anomalies in Very Low Frequency Propagation produced by a Galactic X-ray Source at Centaurus. Nature, 1970, 228, 1080-1081.	27.8	11
43	Changes in coronal condensations emission after solar bursts at microwaves. Solar Physics, 1970, 15, 195-201.	2.5	1
44	Some relationships between solar X-ray bursts and SPA's produced on VLF propagation in the lower ionosphere. Solar Physics, 1969, 9, 478-486.	2.5	21
45	Unpolarized impulsive solar bursts observed at 7 GHz. Solar Physics, 1969, 9, 166-172.	2.5	1
46	On the Possible Emission of Polarized Microwave Radiation from the Solar Hemispheres. Astrophysical Journal, 1969, 156, 43.	4.5	6
47	Some characteristics of an S-component of solar radiation identified on November 1966 eclipse at 4.28-cm wavelength. Solar Physics, 1968, 4, 58-66.	2.5	10
48	Solar physics at Mackenzie University, São Paulo, Brazil. Solar Physics, 1968, 3, 360-363.	2.5	4
49	Solar Corona at Centimetre Wavelengths. Nature, 1968, 219, 921-922.	27.8	2
50	Polarization Bursts in the Sun observed at Microwave Frequencies. Nature, 1968, 220, 1298-1300.	27.8	4
51	Relative changes on lower ionosphere conductivity gradients during SID events. Journal of Geophysical Research, 1968, 73, 2487-2493.	3.3	9
52	A note on lower ionosphere equivalent height diurnal variation. Tellus, 1968, 20, 687-691.	0.8	1
53	V.L.F. propagation across the geomagnetic anomaly during S.I.D.s. Journal of Atmospheric and Solar-Terrestrial Physics, 1967, 29, 1443-1451.	0.9	9
54	Experimental results from measurements performed during the 12 November 1966 total solar eclipse with a 4.28-cm radio polarimeter. Icarus, 1967, 7, 380-386.	2.5	6