

# Pascal Petit

## List of Publications by Year in descending order

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71  
papers

4,542  
citations

201658

27  
h-index

144002

57  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronal Mass Ejections and Type II Radio Emission Variability during a Magnetic Cycle on the Solar-type Star $\mu$ Eridani. <i>Astrophysical Journal</i> , 2022, 924, 115.	4.5	6
2	The Origin of Weakened Magnetic Braking in Old Solar Analogs. <i>Astrophysical Journal Letters</i> , 2022, 933, L17.	8.3	21
3	Field linkage and magnetic helicity density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4903-4910.	4.4	3
4	Multi-instrumental view of magnetic fields and activity of $\mu$ Eridani with SPIRou, NARVAL, and TESS. <i>Astronomy and Astrophysics</i> , 2021, 648, A55.	5.1	23
5	Short-term variations of surface magnetism and prominences of the young Sun-like star V530 Per. <i>Astronomy and Astrophysics</i> , 2021, 654, A42.	5.1	5
6	The Obliquity of HIP 67522 b: A 17 Myr Old Transiting Hot, Jupiter-sized Planet. <i>Astrophysical Journal Letters</i> , 2021, 922, L1.	8.3	8
7	Magnetic geometry and surface differential rotation of the bright Am star Alhena A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5794-5810.	4.4	19
8	Measuring stellar magnetic helicity density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1003-1012.	4.4	8
9	Magnetic field and prominences of the young, solar-like, ultra-rapid rotator V530 Persei. <i>Astronomy and Astrophysics</i> , 2020, 643, A39.	5.1	17
10	The MARSU CubeSat: monitoring the activity and planetary transits of low-mass stars and young solar analogues. , 2020, , .		0
11	Estimating Magnetic Filling Factors from Zeemanâ€Doppler Magnetograms. <i>Astrophysical Journal</i> , 2019, 876, 118.	4.5	59
12	Magnetic field and prominences of the young, solar-like, ultra-rapid rotator AP 149. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 181-184.	0.0	0
13	Do Non-dipolar Magnetic Fields Contribute to Spin-down Torques?. <i>Astrophysical Journal</i> , 2019, 886, 120.	4.5	45
14	The rotationally modulated polarization of $\frac{1}{4}$ Boo A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1574-1581.	4.4	13
15	The evolution of surface magnetic fields in young solar-type stars II: the early main sequence (250â€650â€Myr)â~.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4956-4987.	4.4	86
16	The open flux evolution of a solar-mass star on the main sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 536-546.	4.4	25
17	Studying stellar spin-down with Zeemanâ€Doppler magnetograms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1542-1554.	4.4	46
18	The connection between stellar activity cycles and magnetic field topology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4442-4450.	4.4	67

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19	The evolving magnetic topology of $\beta$ Picoris. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4325-4342.	4.4	76
20	A hot Jupiter orbiting a 2-million-year-old solar-mass T Tauri star. Nature, 2016, 534, 662-666.	27.8	108
21	The evolution of surface magnetic fields in young solar-type stars – I. The first 250 Myr. Monthly Notices of the Royal Astronomical Society, 2016, 457, 580-607.	4.4	133
22	Full-Stokes polychromatic polarimeter design for Arago. , 2016, , .		2
23	The Evolution of Surface Magnetic Fields in Young Solar-type Stars. Proceedings of the International Astronomical Union, 2015, 10, 113-116.	0.0	0
24	The role of complex magnetic topologies on stellar spin-down. Proceedings of the International Astronomical Union, 2015, 11, 297-302.	0.0	0
25	Magnetic fields on young, moderately rotating Sun-like stars – I. HD 35296 and HD 29615. Monthly Notices of the Royal Astronomical Society, 2015, 449, 8-24.	4.4	37
26	FROM SOLAR TO STELLAR CORONA: THE ROLE OF WIND, ROTATION, AND MAGNETISM. Astrophysical Journal, 2015, 814, 99.	4.5	57
27	Innovative static spectropolarimeter concept for wide spectral ranges: tolerancing study. , 2015, , .		1
28	Static spectropolarimeter concept adapted to space conditions and wide spectrum constraints. Applied Optics, 2015, 54, 7377.	2.1	9
29	UVMag: Space UV and visible spectropolarimetry. , 2014, , .		3
30	Stellar magnetism: empirical trends with age and rotation. Monthly Notices of the Royal Astronomical Society, 2014, 441, 2361-2374.	4.4	311
31	A BCool magnetic snapshot survey of solar-type stars. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3517-3536.	4.4	148
32	Full Stokes $Q$ and $U$ spectropolarimetry of AGB and post-AGB stars: probing surface magnetism and atmospheric dynamics. Proceedings of the International Astronomical Union, 2014, 10, 47-52.	0.0	1
33	Preliminary design of the full-Stokes UV and visible spectropolarimeter for UVMag/Arago. Proceedings of the International Astronomical Union, 2014, 10, 168-174.	0.0	1
34	Search for surface magnetic fields in Mira stars: first results on $\beta$ Cyg. Proceedings of the International Astronomical Union, 2013, 9, 385-388.	0.0	1
35	Long-term spectropolarimetric monitoring of the cool supergiant betelgeuse. EAS Publications Series, 2013, 60, 161-165.	0.3	5
36	A BCool spectropolarimetric survey of over 150 solar-type stars. Proceedings of the International Astronomical Union, 2013, 9, 138-141.	0.0	0

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37	The dichotomy between strong and ultra-weak magnetic fields among intermediate-mass stars. Proceedings of the International Astronomical Union, 2013, 9, 338-347.	0.0	14
38	The Hertzsprung-gap giant 31 Comae in 2013: Magnetic field and activity indicators. Proceedings of the International Astronomical Union, 2013, 9, 365-366.	0.0	1
39	Magnetic fields in single late-type giants in the Solar vicinity: How common is magnetic activity on the giant branches?. Proceedings of the International Astronomical Union, 2013, 9, 373-376.	0.0	7
40	The large scale magnetic field of the G0 dwarf HD 206860 (HN Peg). Proceedings of the International Astronomical Union, 2013, 9, 146-147.	0.0	0
41	The evolution of surface magnetic fields in young solar-type stars. Proceedings of the International Astronomical Union, 2013, 9, 110-111.	0.0	2
42	UVMag: a UV and optical spectropolarimeter for stellar physics. Proceedings of the International Astronomical Union, 2013, 9, 348-349.	0.0	0
43	Pollux: a stable weak dipolar magnetic field but no planet?. Proceedings of the International Astronomical Union, 2013, 9, 359-362.	0.0	4
44	Magnetism in Herbig Ae/Be stars and the link to the Ap/Bp stars. EAS Publications Series, 2009, 39, 121-132.	0.3	5
45	The stable magnetic field of the fully convective star V374 Peg. Monthly Notices of the Royal Astronomical Society, 2008, 384, 77-86.	4.4	136
46	Magnetospheric accretion on the T Tauri star BP Tauri. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1234-1251.	4.4	173
47	Toroidal versus poloidal magnetic fields in Sun-like stars: a rotation threshold. Monthly Notices of the Royal Astronomical Society, 2008, 388, 80-88.	4.4	225
48	Large-scale magnetic topologies of early M dwarfs $\hat{\sim}$ . Monthly Notices of the Royal Astronomical Society, 2008, 390, 545-560.	4.4	242
49	Large-scale magnetic topologies of mid M dwarfs $\hat{\sim}$ . Monthly Notices of the Royal Astronomical Society, 2008, 390, 567-581.	4.4	351
50	Dynamo-generated magnetic fields in fast rotating single giants. Proceedings of the International Astronomical Union, 2008, 4, 433-434.	0.0	6
51	Magnetic geometries of Sun-like stars: exploring the mass-rotation plane. Proceedings of the International Astronomical Union, 2008, 4, 441-442.	0.0	0
52	Magnetic field study in single late giants. AIP Conference Proceedings, 2008, , .	0.4	2
53	Magnetism, rotation and accretion in Herbig Ae-Be stars. Proceedings of the International Astronomical Union, 2007, 3, 43-50.	0.0	2
54	Magnetic fields and accretion flows on the classical T Tauri star V2129 Oph*. Monthly Notices of the Royal Astronomical Society, 2007, 380, 1297-1312.	4.4	167

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55	Cyclic fluctuations in the differential rotation of active stars. Proceedings of the International Astronomical Union, 2006, 2, 280-281.	0.0	0
56	Surface differential rotation and photospheric magnetic field of the young solar-type star HD 171488 (V889 Her). Monthly Notices of the Royal Astronomical Society, 2006, 370, 468-476.	4.4	83
57	The surprising magnetic topology of $\hat{A}$ Sco: fossil remnant or dynamo output?. Monthly Notices of the Royal Astronomical Society, 2006, 370, 629-644.	4.4	415
58	Near Infrared Spectropolarimetry from Dome C. EAS Publications Series, 2005, 14, 115-120.	0.3	1
59	A Sun in the Spectroscopic Binary IM Pegasi, the Guide Star for the Gravity Probe B Mission. Astrophysical Journal, 2005, 634, L173-L176.	4.5	15
60	Large-scale magnetic field of the G8 dwarf $\hat{I}3/4$ Bootis A. Monthly Notices of the Royal Astronomical Society, 2005, 361, 837-849.	4.4	52
61	Magnetic topology and surface differential rotation on the K1 subgiant of the RS CVn system HR 1099. Monthly Notices of the Royal Astronomical Society, 2004, 348, 1175-1190.	4.4	61
62	Photospheric magnetic field and surface differential rotation of the FK Com star HD 199178. Monthly Notices of the Royal Astronomical Society, 2004, 351, 826-844.	4.4	42
63	A spectropolarimetric survey of the coolest magnetic Ap stars. Proceedings of the International Astronomical Union, 2004, 2004, 599-601.	0.0	1
64	A survey of the weakest-field magnetic Ap stars: discovery of a threshold magnetic field strength?. Proceedings of the International Astronomical Union, 2004, 2004, 633-636.	0.0	11
65	Dynamo processes and activity cycles of the active stars AB Doradus, LQ Hydrae and HR 1099. Monthly Notices of the Royal Astronomical Society, 2003, 345, 1145-1186.	4.4	247
66	Temporal fluctuations in the differential rotation of cool active stars. Monthly Notices of the Royal Astronomical Society, 2003, 345, 1187-1199.	4.4	115
67	Stellar polarimetry with ESPaDOnS. EAS Publications Series, 2003, 9, 97-97.	0.3	6
68	The magnetic field and wind confinement of $\hat{I}1$ Orionis C. Monthly Notices of the Royal Astronomical Society, 2002, 333, 55-70.	4.4	225
69	Differential rotation of cool active stars: the case of intermediate rotators. Monthly Notices of the Royal Astronomical Society, 2002, 334, 374-382.	4.4	119
70	Characterization of the magnetic field of the Herbig Be star HD 200775. Monthly Notices of the Royal Astronomical Society, 0, 385, 391-403.	4.4	100
71	Large-scale magnetic topologies of late M dwarfs. Monthly Notices of the Royal Astronomical Society, 0, 407, 2269-2286.	4.4	368