

# Simon Prunet

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,332  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1433  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Machine-learning Approach to Integral Field Unit Spectroscopy Observations. II. H ii Region Line Ratios. <i>Astrophysical Journal</i> , 2021, 910, 129.	4.5	6
2	A Low-rank Approach to Image Defringing. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 114502.	3.1	1
3	A Machine-learning Approach to Integral Field Unit Spectroscopy Observations. III. Disentangling Multiple Components in H ii Regions. <i>Astrophysical Journal</i> , 2021, 923, 169.	4.5	1
4	Updates to LUCI: A New Fitting Paradigm Using Mixture Density Networks. <i>Research Notes of the AAS</i> , 2021, 5, 276.	0.7	1
5	Wide field-of-view study of the Eagle Nebula with the Fourier transform imaging spectrograph SITELLE at CFHT. <i>Astronomy and Astrophysics</i> , 2020, 635, A111.	5.1	5
6	A Machine-learning Approach to Integral Field Unit Spectroscopy Observations. I. H ii Region Kinematics. <i>Astrophysical Journal</i> , 2020, 901, 152.	4.5	6
7	SITELLE: an Imaging Fourier Transform Spectrometer for the Canada-France-Hawaii Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3930-3946.	4.4	33
8	Cylinders out of a top hat: counts-in-cells for projected densities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2772-2785.	4.4	16
9	Optimal fitting of Gaussian-apodized or under-resolved emission lines in Fourier transform spectra providing new insights on the velocity structure of NGC 6720. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4223-4238.	4.4	27
10	Commissioning SITELLE: an imaging Fourier transform spectrometer for the Canada France Hawaii Telescope. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
11	Secular resonant dressed orbital diffusion – I. Method and WKB limit for tepid discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1967-1981.	4.4	17
12	Detectability of Torus Topology. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 139-143.	0.0	0
13	Polarization transfer in relativistic magnetized plasmas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 3320-3349.	4.4	4
14	Extreme value statistics of smooth Gaussian random fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2436-2445.	4.4	19
15	COSMIC MICROWAVE BACKGROUND POLARIZATION AND TEMPERATURE POWER SPECTRA ESTIMATION USING LINEAR COMBINATION OF WMAP 5 YEAR MAPS. <i>Astrophysical Journal</i> , 2010, 714, 840-851.	4.5	14
16	Fast Edge-corrected Measurement of the Two-Point Correlation Function and the Power Spectrum. <i>Astrophysical Journal</i> , 2005, 631, L1-L4.	4.5	28
17	Fast estimation of polarization power spectra using correlation functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 914-926.	4.4	185
18	MASTER of the Cosmic Microwave Background Anisotropy Power Spectrum: A Fast Method for Statistical Analysis of Large and Complex Cosmic Microwave Background Data Sets. <i>Astrophysical Journal</i> , 2002, 567, 2-17.	4.5	636

#	ARTICLE	IF	CITATIONS
19	Statistical Properties of Galactic Starlight Polarization. <i>Astrophysical Journal</i> , 2002, 564, 762-772.	4.5	135
20	Fast Cosmic Microwave Background Analyses via Correlation Functions. <i>Astrophysical Journal</i> , 2001, 548, L115-L118.	4.5	122
21	Fast Analysis of Inhomogenous Megapixel Cosmic Microwave Background Maps. <i>Astrophysical Journal</i> , 2001, 561, L11-L14.	4.5	72