

Frédéric P A Vogt

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,104
citations

471509

17
h-index

395702

33
g-index

37
all docs

37
docs citations

37
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	NEW STRONG-LINE ABUNDANCE DIAGNOSTICS FOR H II REGIONS: EFFECTS OF $\hat{\nu}$ -DISTRIBUTED ELECTRON ENERGIES AND NEW ATOMIC DATA. <i>Astrophysical Journal, Supplement Series</i> , 2013, 208, 10.	7.7	238
2	IZI: INFERRING THE GAS PHASE METALLICITY (Z) AND IONIZATION PARAMETER (q) OF IONIZED NEBULAE USING BAYESIAN STATISTICS. <i>Astrophysical Journal</i> , 2015, 798, 99.	4.5	116
3	PyWiFeS: a rapid data reduction pipeline for the Wide Field Spectrograph (WiFeS). <i>Astrophysics and Space Science</i> , 2014, 349, 617-636.	1.4	111
4	SPECTROSCOPIC OBSERVATIONS OF SN 2012fr: A LUMINOUS, NORMAL TYPE Ia SUPERNOVA WITH EARLY HIGH-VELOCITY FEATURES AND A LATE VELOCITY PLATEAU. <i>Astrophysical Journal</i> , 2013, 770, 29.	4.5	66
5	Effects of the prewhitening method, the time granularity, and the time segmentation on the Mann-Kendall trend detection and the associated Sen's slope. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6945-6964.	3.1	42
6	Evidence for azimuthal variations of the oxygen-abundance gradient tracing the spiral structure of the galaxy HCG 91c. <i>Astronomy and Astrophysics</i> , 2017, 601, A61.	5.1	41
7	GALAXY INTERACTIONS IN COMPACT GROUPS. I. THE GALACTIC WINDS OF HCG16. <i>Astrophysical Journal</i> , 2013, 768, 151.	4.5	40
8	BL Lacertae identifications in a ROSAT-selected sample of Fermi unidentified objects. <i>Astronomy and Astrophysics</i> , 2013, 559, A58.	5.1	34
9	Optical Tomography of Chemical Elements Synthesized in Type Ia Supernovae. <i>Physical Review Letters</i> , 2019, 123, 041101.	7.8	31
10	Calibrating Interstellar Abundances Using Supernova Remnant Radiative Shocks. <i>Astronomical Journal</i> , 2019, 157, 50.	4.7	31
11	Galaxy interactions in compact groups – II. Abundance and kinematic anomalies in HCG 91c. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2593-2614.	4.4	26
12	Dissecting galactic bulges in space and time – I. The importance of early formation scenarios versus secular evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2837-2860.	4.4	26
13	GALAXY EMISSION LINE CLASSIFICATION USING THREE-DIMENSIONAL LINE RATIO DIAGRAMS. <i>Astrophysical Journal</i> , 2014, 793, 127.	4.5	25
14	Spaxel analysis: probing the physics of star formation in ultraluminous infrared galaxies. <i>Astrophysics and Space Science</i> , 2014, 350, 741-754.	1.4	25
15	FORBIDDEN IRON LINES AND DUST DESTRUCTION IN SUPERNOVA REMNANT SHOCKS: THE CASE OF N49 IN THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2016, 826, 150.	4.5	24
16	[Fe ^{IV}] and [Fe ^{XI}] reveal the forward shock in SNR 1E 0102.2-7219. <i>Astronomy and Astrophysics</i> , 2017, 602, L4.	5.1	20
17	Identification of the central compact object in the young supernova remnant 1E 0102.2-7219. <i>Nature Astronomy</i> , 2018, 2, 465-471.	10.1	19
18	ADVANCED DATA VISUALIZATION IN ASTROPHYSICS: THE X3D PATHWAY. <i>Astrophysical Journal</i> , 2016, 818, 115.	4.5	18

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19	Excluding supersoft X-ray sources as progenitors for four Type Ia supernovae in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1317-1324.	4.4	18
20	Augmented Reality in astrophysics. <i>Astrophysics and Space Science</i> , 2013, 347, 47-60.	1.4	17
21	Shocked Interstellar Clouds and Dust Grain Destruction in the LMC Supernova Remnant N132D. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 10.	7.7	17
22	Integral Field Spectroscopy of Balmer-dominated Shocks in the Magellanic Cloud Supernova Remnant N103B. <i>Astrophysical Journal</i> , 2017, 847, 122.	4.5	16
23	The physics and kinematics of the evolved, interacting planetary nebula PN G342.0-01.7. <i>Astronomy and Astrophysics</i> , 2015, 583, A83.	5.1	14
24	Linking the X3D Pathway to Integral Field Spectrographs: YSNR 1E 0102.2-7219 in the SMC as a Case Study. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 058012.	3.1	12
25	Integral Field Spectroscopy of Supernova Remnant 1E0102â€“7219 Reveals Fast-moving Hydrogen and Sulfur-rich Ejecta. <i>Astrophysical Journal Letters</i> , 2018, 853, L32.	8.3	12
26	Shapley Supercluster Survey: mapping the filamentary network connecting the clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1055-1074.	4.4	10
27	Evolution of compact groups from intermediate to final stages. <i>Astronomy and Astrophysics</i> , 2019, 632, A78.	5.1	10
28	Discovery of a Damped LyÎ± System in a Low-z Galaxy Group: Possible Evidence for Gas Inflow and Nuclear Star Formation. <i>Astrophysical Journal</i> , 2019, 871, 239.	4.5	9
29	The Black Holeâ€“Galaxy Connection: Interplay between Feedback, Obscuration, and Host Galaxy Substructure. <i>Astrophysical Journal</i> , 2022, 925, 203.	4.5	9
30	Rotational and Rotational-Vibrational Raman Spectroscopy of Air to Characterize Astronomical Spectrographs. <i>Physical Review Letters</i> , 2019, 123, 061101.	7.8	8
31	Detection and Implications of Laser-Induced Raman Scattering at Astronomical Observatories. <i>Physical Review X</i> , 2017, 7, .	8.9	6
32	fcmaker: Automating the creation of ESO-compliant finding charts for Observing Blocks on p2. <i>Astronomy and Computing</i> , 2018, 25, 81-88.	1.7	4
33	Raman-scattered laser guide-star photons to monitor the scatter of astronomical telescope mirrors. <i>Astronomy and Astrophysics</i> , 2018, 618, L7.	5.1	3
34	E0102-VR: Exploring the scientific potential of Virtual Reality for observational astrophysics. <i>Astronomy and Computing</i> , 2020, 30, 100352.	1.7	3
35	Searching for Surviving Companion in the Young SMC Supernova Remnant 1E 0102.2â€“7219. <i>Astrophysical Journal</i> , 2021, 915, 20.	4.5	2
36	MUSE Integral Field Observations of the Oxygen-rich SNR 1E 0102.2-7219. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 178-183.	0.0	1

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37	Galactic bulges: the importance of early formation scenarios vs. secular evolution. Proceedings of the International Astronomical Union, 2014, 10, 163-164.	0.0	0