

P R T Coelho

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

5,468
citations

201674

27
h-index

79698

73
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86
all docs

86
docs citations

86
times ranked

9848
citing authors

#	ARTICLE	IF	CITATIONS
1	The X-shooter Spectral Library (XSL): Data Release 3. <i>Astronomy and Astrophysics</i> , 2022, 660, A34.	5.1	17
2	Black Mirror: The impact of rotational broadening on the search for reflected light from 51 Pegasi b with high resolution spectroscopy. <i>Astronomy and Astrophysics</i> , 2022, 659, A121.	5.1	10
3	The DIVING3D survey â€“ Deep Integral Field Spectrograph View of Nuclei of Galaxies â€“ I. Definition and sample presentation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5780-5795.	4.4	5
4	Data Release 2 of S-PLUS: Accurate template-fitting based photometry covering $\sim 1/4 \times 1000 \text{ deg}^2$ in 12 optical filters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4590-4618.	4.4	16
5	Modelling simple stellar populations in the near-ultraviolet to near-infrared with the X-shooter Spectral Library (XSL). <i>Astronomy and Astrophysics</i> , 2022, 661, A50.	5.1	13
6	S-PLUS: exploring wide field properties of multiple populations in galactic globular clusters at different metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 4191-4200.	4.4	5
7	Galaxies within galaxies in the TIMER survey: stellar populations of inner bars are scaled replicas of main bars. <i>Astronomy and Astrophysics</i> , 2021, 646, A42.	5.1	8
8	A comparison between X-shooter spectra and PHOENIX models across the HR-diagram. <i>Astronomy and Astrophysics</i> , 2021, 649, A97.	5.1	8
9	The miniJPAS survey. <i>Astronomy and Astrophysics</i> , 2021, 649, A79.	5.1	22
10	<scp>HR-pyopstar</scp>: high-wavelength-resolution stellar populations evolutionary synthesis model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4781-4799.	4.4	10
11	The GALANTE photometric survey of the northern Galactic plane: project description and pipeline. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3138-3154.	4.4	5
12	The miniJPAS survey: A preview of the Universe in 56 colors. <i>Astronomy and Astrophysics</i> , 2021, 653, A31.	5.1	54
13	A Grid of Synthetic Spectra for Subdwarfs: Non-LTE Line-blanketed Atmosphere Models. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 41.	7.7	1
14	Clocking the formation of todayâ€™s largest galaxies: wide field integral spectroscopy of brightest cluster galaxies and their surroundings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2617-2638.	4.4	24
15	To use or not to use synthetic stellar spectra in population synthesis models?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2025-2042.	4.4	26
16	How well can we determine ages and chemical abundances from spectral fitting of integrated light spectra?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2327-2339.	4.4	8
17	Clues on the history of early-type galaxies from SDSS spectra and <i>GALEX</i> photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3251-3263.	4.4	15
18	One Hundred SMUDGes in S-PLUS: Ultra-diffuse Galaxies Flourish in the Field. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 46.	7.7	31

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19	The X-shooter Spectral Library (XSL): Data release 2. <i>Astronomy and Astrophysics</i> , 2020, 634, A133.	5.1	55
20	Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3884-3908.	4.4	12
21	High-resolution Spectral Line Indices Useful for the Analysis of Stellar Populations. <i>Astrophysical Journal Letters</i> , 2020, 889, L31.	8.3	4
22	UV bright red-sequence galaxies: how do UV upturn systems evolve in redshift and stellar mass?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2996-3011.	4.4	7
23	Inside-out formation of nuclear discs and the absence of old central spheroids in barred galaxies of the TIMER survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A65.	5.1	44
24	The kinematics of young and old stellar populations in nuclear rings of MUSE TIMER galaxies. <i>Astronomy and Astrophysics</i> , 2020, 644, A116.	5.1	5
25	Spatially Resolved Analysis of Neutral Winds, Stars, and Ionized Gas Kinematics with MEGARA/GTC: New Insights on the Nearby Galaxy UGC 10205. <i>Astrophysical Journal</i> , 2020, 890, 5.	4.5	6
26	UV upturn versus UV weak galaxies: differences and similarities of their stellar populations unveiled by a de-biased sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1870-1883.	4.4	4
27	The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 241-267.	4.4	92
28	Survival of molecular gas in a stellar feedback-driven outflow witnessed with the MUSE TIMER project and ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3904-3928.	4.4	15
29	Clocking the assembly of double-barred galaxies with the MUSE TIMER project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5296-5314.	4.4	21
30	J-PLUS: Impact of bars on quenching timescales in nearby green valley disc galaxies. <i>Astronomy and Astrophysics</i> , 2019, 630, A88.	5.1	5
31	Stellar spectral models compared with empirical data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1814-1832.	4.4	8
32	J-PLUS: A wide-field multi-band study of the M 15 globular cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A179.	5.1	18
33	J-PLUS: Morphological star/galaxy classification by PDF analysis. <i>Astronomy and Astrophysics</i> , 2019, 622, A177.	5.1	28
34	J-PLUS: On the identification of new cluster members in the double galaxy cluster A2589 and A2593 using PDFs. <i>Astronomy and Astrophysics</i> , 2019, 622, A178.	5.1	20
35	J-PLUS: Measuring $H\alpha$ emission line fluxes in the nearby universe. <i>Astronomy and Astrophysics</i> , 2019, 622, A180.	5.1	17
36	J-PLUS: Two-dimensional analysis of the stellar population in NGC 5473 and NGC 5485. <i>Astronomy and Astrophysics</i> , 2019, 622, A181.	5.1	17

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37	J-PLUS: The Javalambre Photometric Local Universe Survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A176.	5.1	124
38	J-PLUS: Identification of low-metallicity stars with artificial neural networks using SPHINX. <i>Astronomy and Astrophysics</i> , 2019, 622, A182.	5.1	38
39	J-PLUS: Analysis of the intracluster light in the Coma cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A183.	5.1	31
40	Spatial field reconstruction with INLA: application to IFU galaxy data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3880-3891.	4.4	14
41	Time Inference with MUSE in Extragalactic Rings (TIMER): properties of the survey and high-level data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 506-529.	4.4	72
42	Testing stellar population fitting ingredients with Globular Clusters I: Stellar libraries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2388-2402.	4.4	11
43	J-PLUS: photometric calibration of large-area multi-filter surveys with stellar and white dwarf loci. <i>Astronomy and Astrophysics</i> , 2019, 631, A119.	5.1	36
44	Surface brightness fluctuation spectrum: a new probe of evolved stars in unresolved stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 629-651.	4.4	8
45	Grids of synthetic stellar spectra. <i>Canadian Journal of Physics</i> , 2017, 95, 840-842.	1.1	2
46	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
47	Observations of the First Electromagnetic Counterpart to a Gravitational-wave Source by the TOROS Collaboration. <i>Astrophysical Journal Letters</i> , 2017, 848, L29.	8.3	96
48	A Grid of Synthetic Spectra for Hot DA White Dwarfs and Its Application in Stellar Population Synthesis. <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 1.	7.7	18
49	A study on missing lines in the synthetic solar spectrum near the Ca triplet. <i>Astronomy and Astrophysics</i> , 2017, 600, A58.	5.1	2
50	Is the cluster environment quenching the Seyfert activity in elliptical and spiral galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2115-2125.	4.4	17
51	Self-similarity in the chemical evolution of galaxies and the delay-time distribution of SNe Ia. <i>Astronomy and Astrophysics</i> , 2016, 594, A61.	5.1	13
52	Abundance patterns in early-type galaxies: is there a 'knee' in the [Fe/H] vs. $\langle [M/H] \rangle$ relation?. <i>Astronomy and Astrophysics</i> , 2015, 582, A46.	5.1	42
53	Evolutionary stellar population synthesis with MILES II. Scaled-solar and α -enhanced models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1177-1214.	4.4	244
54	Central enhancement of the nitrogen-to-oxygen abundance ratio in barred galaxies. <i>Astronomy and Astrophysics</i> , 2015, 584, A88.	5.1	19

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55	MUSE tells the story of NGC 4371: The dawning of secular evolution. <i>Astronomy and Astrophysics</i> , 2015, 584, A90.	5.1	48
56	A new library of theoretical stellar spectra with scaled-solar and α -enhanced mixtures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1027-1043.	4.4	126
57	alice: Atomic Lines Calibration using the Cross-Entropy Algorithm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1294-1302.	4.4	9
58	Bar effects on ionized gas properties and dust content in galaxy centers. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 356-356.	0.0	0
59	High precision differential abundance measurements in globular clusters: chemical inhomogeneities in NGC 6752. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 3542-3565.	4.4	70
60	Full spectral fitting of Milky Way and ≈ 31 globular clusters: ages and metallicities. <i>Astronomy and Astrophysics</i> , 2013, 549, A60.	5.1	25
61	Rejuvenation of bulges by bars: evidence from stellar population analysis. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 339-339.	0.0	1
62	BARS REJUVENATING BULGES? EVIDENCE FROM STELLAR POPULATION ANALYSIS. <i>Astrophysical Journal Letters</i> , 2011, 743, L13.	8.3	80
63	Spectral fitting of SDSS passive galaxies with α -enhanced single stellar populations. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 66-68.	0.0	0
64	CHEMICAL ABUNDANCE ANTICORRELATIONS IN GLOBULAR CLUSTER STARS: THE EFFECT ON CLUSTER INTEGRATED SPECTRA. <i>Astrophysical Journal</i> , 2011, 734, 72.	4.5	11
65	The Mixture of Stellar Populations in M 32. <i>EAS Publications Series</i> , 2011, 48, 269-270.	0.3	0
66	Age and metallicity of star clusters in the Small Magellanic Cloud from integrated spectroscopy. <i>Astronomy and Astrophysics</i> , 2010, 520, A85.	5.1	30
67	$\langle i \rangle_{uvby}$ photometry of solar twins. <i>Astronomy and Astrophysics</i> , 2010, 522, A98.	5.1	26
68	Spectral libraries and their uncertainties. , 2009, , .		4
69	An analysis of the composite stellar population in M32. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 624-634.	4.4	38
70	Differential stellar population models: how to reliably measure $[Fe/H]$ and $[\alpha/Fe]$ in galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 398, L44-L48.	3.3	61
71	An analysis of the composite stellar population in M32. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 143-146.	0.0	0
72	Age and metallicity of star clusters in the Small Magellanic Cloud from integrated spectroscopy. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 329-330.	0.0	0

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73	STELLAR POPULATION MODELS AND INDIVIDUAL ELEMENT ABUNDANCES. II. STELLAR SPECTRA AND INTEGRATED LIGHT MODELS. <i>Astrophysical Journal</i> , 2009, 694, 902-923.	4.5	63
74	Testing the accuracy of synthetic stellar libraries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 1329-1346.	4.4	55
75	Spectral models for solar-scaled and $\hat{\alpha}$ -enhanced stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 498-514.	4.4	141
76	Spectra of bulge stars with known abundance ratios for population synthesis. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, .	0.0	0
77	High resolution spectral models for solar scaled and $\hat{\alpha}$ -enhanced compositions. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, .	0.0	0
78	A new approach to derive $[\hat{\alpha}/\text{Fe}]$ for integrated stellar populations. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, .	0.0	2
79	Theories of convection and the spectrum of turbulence in the solar photosphere. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 58-63.	0.0	2
80	A High Resolution $\hat{\alpha}$ -enhanced stellar Library for Evolutionary Population Synthesis. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, .	0.0	0
81	Ages, Metallicities, and $\hat{\alpha}$ -Element Enhancement for Galaxies in Hickson Compact Groups. <i>Astronomical Journal</i> , 2005, 130, 55-64.	4.7	35
82	A library of high resolution synthetic stellar spectra from 300Ånm to 1.8Å $\{\mu\}$ m with solar and $\hat{\alpha}$ -enhanced composition. <i>Astronomy and Astrophysics</i> , 2005, 443, 735-746.	5.1	305
83	A grid of synthetic spectra and indices Fe5270, Fe5335, Mgb and Mg_{α} as a function of stellar parameters and $[\alpha/\text{Fe}]$. <i>Astronomy and Astrophysics</i> , 2003, 404, 661-668.	5.1	63
84	Membership of 23 stars towards the bulge globular clusters NGC 6528 and NGC 6553. <i>Astronomy and Astrophysics</i> , 2001, 376, 136-143.	5.1	22