

Itandehui Gris SÃ¡nchez

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

631
citations

840776

11
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	The photonic lantern. <i>Advances in Optics and Photonics</i> , 2015, 7, 107.	25.5	257
2	Adiabatically-tapered fiber mode multiplexers. <i>Optics Express</i> , 2014, 22, 608.	3.4	131
3	Highly-efficient, octave spanning soliton self-frequency shift using a specialized photonic crystal fiber with low OH loss. <i>Optics Express</i> , 2011, 19, 17766.	3.4	46
4	Computational optical imaging with a photonic lantern. <i>Nature Communications</i> , 2020, 11, 5217.	12.8	23
5	Efficient photonic reformatting of celestial light for diffraction-limited spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4950-4957.	4.4	19
6	Reducing spectral attenuation in small-core photonic crystal fibers. <i>Optical Materials Express</i> , 2011, 1, 179.	3.0	18
7	The Airy fiber: an optical fiber that guides light diffracted by a circular aperture. <i>Optica</i> , 2016, 3, 270.	9.3	18
8	Time-Dependent Degradation of Photonic Crystal Fiber Attenuation Around OH Absorption Wavelengths. <i>Journal of Lightwave Technology</i> , 2012, 30, 3597-3602.	4.6	17
9	Divide and conquer: an efficient solution to highly multimoded photonic lanterns from multicore fibres. <i>Optics Express</i> , 2017, 25, 17530.	3.4	17
10	Multiplexed single-mode wavelength-to-time mapping of multimode light. <i>Nature Communications</i> , 2017, 8, 14080.	12.8	16
11	Characterizing the variation of propagation constants in multicore fiber. <i>Optics Express</i> , 2014, 22, 25689.	3.4	11
12	Diffraction-limited integral-field spectroscopy for extreme adaptive optics systems with the multicore fiber-fed integral-field unit. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, .	1.8	9
13	True-Time Delay Line Based on Dispersion-Flattened 19-Core Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2020, 38, 6237-6246.	4.6	8
14	Multicore fibre photonic lanterns for precision radial velocity science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, , .	4.4	6
15	A Multi-Core Fibre Photonic Lantern-Based Spectrograph for Raman Spectroscopy. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 395-398.	2.5	6
16	New multicore low mode noise scrambling fiber for applications in high-resolution spectroscopy. , 2014, , .		5
17	PIMMS Åchelle: the next generation of compact diffraction limited spectrographs for arbitrary input beams. , 2014, , .		4
18	Modal noise mitigation for high-precision spectroscopy using a photonic reformatter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3713-3725.	4.4	4

#	ARTICLE	IF	CITATIONS
19	3D-M3: high-spatial-resolution spectroscopy with extreme AO and 3D-printed micro-lenslets. Applied Optics, 2021, 60, D108.	1.8	4
20	Optical fiber modal noise suppression in the NIR region using multicore fiber and photonic lanterns. , 2018, , .		3
21	Core-to-core uniformity improvement in multi-core fiber Bragg gratings. Proceedings of SPIE, 2014, , .	0.8	2
22	Modal noise characterisation of a hybrid reformatter. , 2016, , .		2
23	An innovative integral field unit upgrade with 3D-printed micro-lenses for the RHEA at Subaru. , 2020, , .		2
24	Tapered Mode Multiplexers for Single Mode to Multi Mode Fibre Mode Transitions. , 2015, , .		1
25	Multi-core fibre-â€fed integral field spectrograph (MCIFU) â€ III: an ultrafast laser inscribed photonic reformatter and mask. , 2020, , .		1
26	Fibre-based mode multiplexers. , 2014, , .		1
27	Reducing spectral attenuation in solid-core photonic crystal fibers. , 2010, , .		0
28	2.04 μm light generation from a Ti:Sapphire laser using a Photonic Crystal Fiber with low OH loss. , 2011, , .		0
29	All-fibre mode multiplexers. Proceedings of SPIE, 2013, , .	0.8	0
30	The Photonic Lantern. , 2014, , .		0
31	Reconstructing Core-to-Core Variations of Propagation Constant in Coupled Multicore Fiber for Quantum Walks. , 2015, , .		0
32	Development of an efficient photonic device for the reformatting of celestial light. Proceedings of SPIE, 2016, , .	0.8	0
33	The Airy fibre: designing fibres backwards. , 2016, , .		0
34	Highly-Efficient, Octave Spanning Soliton Self-Frequency Shift Using a Photonic Crystal Fiber with Low OH Loss. , 2010, , .		0
35	Efficient photonic reformatting of stellar light for high precision spectroscopy. , 2016, , .		0
36	Modal noise mitigation in a photonic lantern fed near-IR spectrograph. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Multi-core fibre-fed integral field spectrograph (MCIFU) IV: the fiber link. , 2020, , .		0