Stefano Minardi

List of Publications by Year
in descending order

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68	1,136	331670 21	395702 33
papers	citations	h-index	g-index

69	69	69	808
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modal analysis using photonic lanterns coupled to arrays of waveguides. Optics Letters, 2019, 44, 1718.	3.3	7
2	Discrete beam combiners from astronomy to lasers. , 2019, , .		1
3	Effects of stress on neighboring laser written waveguides in gallium lanthanum sulfide. Applied Physics Letters, 2018, 112, 111908.	3.3	13
4	Progress towards instrument miniaturisation for mid-IR long-baseline interferometry. Experimental Astronomy, 2018, 46, 433-445.	3.7	4
5	Photonics-based mid-infrared interferometry: the challenges of polychromatic operation and comparative performances. , 2018, , .		1
6	NAIR: novel astronomical instrumentation through photonic reformatting. , 2018, , .		3
7	A six-apertures discrete beam combiners for J-band interferometry. , 2018, , .		5
8	Photonics-based mid-infrared interferometry: 4-year results of the ALSI project and future prospects. , 2018, , .		2
9	Beam combination schemes and technologies for the Planet Formation Imager. , 2018, , .		0
10	Hi-5: a potential high-contrast thermal near-infrared imager for the VLTI. , 2018, , .		0
11	Four-channel interferometry with a zig-zag array of mid-infrared integrated waveguides. Proceedings of SPIE, 2017, , .	0.8	0
12	Structural modification of gallium lanthanum sulfide glass induced by ultrafast laser inscription. , 2017, , .		0
13	Towards 3D-photonic, multi-telescope beam combiners for mid-infrared astrointerferometry. Optics Express, 2017, 25, 19262.	3.4	29
14	Ultrafast laser inscription in ZBLAN integrated optics chips for mid-IR beam combination in astronomical interferometry. Optics Express, 2017, 25, 20642.	3.4	17
15	Astronomical photonics in the context of infrared interferometry and high-resolution spectroscopy. Proceedings of SPIE, 2016, , .	0.8	10
16	Increasing the spectral coverage of interferometric integrated optics: K/L and N-laser-written beam combiners. Proceedings of SPIE, 2016, , .	0.8	2
17	Beam combination schemes and technologies for the Planet Formation Imager. , 2016, , .		7
18	Status of the Planet Formation Imager (PFI) concept. Proceedings of SPIE, 2016, , .	0.8	7

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19	All-in-one 4-telescope beam combination with a zig-zag array of waveguides. , 2016, , .		5
20	6- and 8-telescope discrete beam combiners. , 2016, , .		3
21	Nonlocality of coupling and the retrieval of field correlations with arrays of waveguides. Physical Review A, 2015, 92, .	2.5	15
22	Plasma absorption evidence via chirped pulse spectral transmission measurements. Applied Physics Letters, 2015, 106, 231101.	3.3	9
23	Interferometric nulling of four channels with integrated optics. Applied Optics, 2015, 54, 7449.	2.1	12
24	Integrated optics interferometric four telescopes nuller. Proceedings of SPIE, 2014, , .	0.8	0
25	3D-integrated beam combiner for optical spectro-interferometry. , 2014, , .		1
26	Energy deposition dynamics of femtosecond pulses in water. Applied Physics Letters, 2014, 105, .	3.3	26
27	Imaging Ultrafast Light-Matter Interaction with Inverse Raman Scattering. , 2014, , .		0
28	3D-integrated optics component for astronomical spectro-interferometry. Applied Optics, 2013, 52, 4556.	1.8	28
29	Imaging cross-correlation FROG: measuring ultrashort, complex, spatiotemporal fields. Optics Express, 2013, 21, 25968.	3.4	18
30	Observation of Discrete, Vortex Light Bullets. Physical Review X, 2013, 3, .	8.9	34
31	Discrete light bullet vortices. , 2013, , .		0
32	Higher-order Kerr effect and harmonic cascading in gases. , 2013, , .		0
33	Vortex Light Bullets in fibre arrays — Properties, decay and experimental schemes. , 2013, , .		0
34	Imaging cross-correlation FROG: retrieval of ultrashort, complex, spatiotemporal fields. , 2013, , .		0
35	Discrete beam combiners: exploring the potential of 3D photonics for interferometry. Proceedings of SPIE, 2012, , .	0.8	3
36	Temporal switching induced by cascaded third order nonlinearity. Optics Letters, 2012, 37, 5109.	3.3	3

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37	Three-dimensional photonic component for multichannel coherence measurements. Optics Letters, 2012, 37, 3030.	3.3	27
38	Higher-order Kerr effect and harmonic cascading in gases. Optics Letters, 2012, 37, 4612.	3.3	24
39	Digital holography from shadowgraphic phase estimates. Optics Letters, 2012, 37, 509.	3.3	9
40	Nonlinear Spectral Symmetry Breaking of Light Bullets in Waveguide Arrays. , 2012, , .		0
41	Discrete optical multi-aperture combiner: instrumental concept. Proceedings of SPIE, 2012, , .	0.8	2
42	High precision astrometry mission for the detection and characterization of nearby habitable planetary systems with the Nearby Earth Astrometric Telescope (NEAT). Experimental Astronomy, 2012, 34, 385-413.	3.7	73
43	Light bullets in waveguide arrays: spacetime-coupling, spectral symmetry breaking and superluminal decay [Invited]. Optics Express, 2011, 19, 23171.	3.4	45
44	Evolution dynamics of discrete-continuous light bullets. Physical Review A, 2011, 84, .	2.5	39
45	Superluminally Decaying Light Bullets in Periodic Media. , 2011, , .		0
46	Defining requirements and identifying relevant technologies in astrophotonics. Proceedings of SPIE, 2010, , .	0.8	2
47	Digital holography from shadowgraphic phase estimates. , 2010, , .		0
48	Three-dimensional photonic combiner for optical astro interferometry. Proceedings of SPIE, 2010, , .	0.8	1
49	MAMMUT: mirror vibration metrology for VLTI. , 2010, , .		1
50	Interferometric beam combination with discrete optics. Optics Letters, 2010, 35, 3009.	3.3	39
51	Digital In-line Holography with the Iterative Shadowgraphic Method. , 2010, , .		0
52	Iterative improvement of shadowgraphic phase maps. , 2009, , .		0
53	Accurate retrieval of pulse-splitting dynamics of a femtosecond filament in water by time-resolved shadowgraphy. Optics Letters, 2009, 34, 3020.	3.3	42
54	Phase front retrieval by means of an iterative shadowgraphic method. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 99.	1.5	6

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55	Time-resolved refractive index and absorption mapping of light-plasma filaments in water. Optics Letters, 2008, 33, 86.	3.3	89
56	Quantitative two-dimensional shadowgraphic method for high-sensitivity density measurement of under-critical laser plasmas. Optics Letters, 2007, 32, 1238.	3.3	47
57	Far-field spectral characterization of conical emission and filamentation in Kerr media. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 862.	2.1	92
58	Control of the shape of the spatial mode function of photons generated in noncollinear spontaneous parametric down-conversion. Physical Review A, 2005, 72, .	2.5	51
59	Three dimensional imaging of short pulses. Optics Communications, 2004, 229, 381-390.	2.1	37
60	A compact multi-pixel parametric light source. Optics Communications, 2003, 224, 301-307.	2.1	9
61	Red Solitons: Evidence of Spatiotemporal Instability inÏ‡(2)Spatial Soliton Dynamics. Physical Review Letters, 2003, 91, 123901.	7.8	17
62	Solitonic all-optical switch based on the fractional Talbot effect. Optics Letters, 2002, 27, 2097.	3.3	18
63	A solitonic all-optical switch based on the fractional Talbot effect. , 2002, , .		1
64	Soliton algebra by vortex-beam splitting. Optics Letters, 2001, 26, 1004.	3.3	29
65	Reconstruction of blurred images by controlled formation of spatial solitons. Optics Letters, 2001, 26, 1409.	3.3	27
66	Observation of Quadratic Optical Vortex Solitons. Physical Review Letters, 2000, 84, 3843-3846.	7.8	61
67	Pixellike parametric generator based on controlled spatial-soliton formation. Optics Letters, 2000, 25, 326.	3.3	27
68	Observation of Optical Vortices andJ0Bessel-Like Beams in Quantum-Noise Parametric Amplification. Physical Review Letters, 1998, 81, 5133-5136.	7.8	53