

Matias Koivurova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/526648/publications.pdf>

Version: 2024-02-01

26
papers

256
citations

933447

10
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-focusing of a partially coherent beam with circular coherence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1441.	1.5	29
2	Temporal self-splitting of optical pulses. Physical Review A, 2018, 97, .	2.5	19
3	Coherence control of pulse trains by spectral phase modulation. Journal of Optics (United Kingdom), 2017, 19, 095501.	2.2	18
4	Transfer factors and effective half-lives of ¹³⁴ Cs and ¹³⁷ Cs in different environmental sample types obtained from Northern Finland: case Fukushima accident. Journal of Environmental Radioactivity, 2015, 146, 73-79.	1.7	17
5	Mirror-based scanning wavefront-folding interferometer for coherence measurements. Optics Letters, 2020, 45, 4260.	3.3	17
6	Grating interferometer for light-efficient spatial coherence measurement of arbitrary sources. Applied Optics, 2017, 56, 5216.	2.1	16
7	Metamaterials designed for enhanced ENZ properties. New Journal of Physics, 2020, 22, 093054.	2.9	16
8	Scanning wavefront folding interferometers. Optics Express, 2019, 27, 7738.	3.4	16
9	Geometric phase in beating of light waves. New Journal of Physics, 2019, 21, 083030.	2.9	15
10	Complete spatial coherence characterization of quasi-random laser emission from dye doped transparent wood. Optics Express, 2018, 26, 13474.	3.4	14
11	Partially coherent isodiffracting pulsed beams. Physical Review A, 2018, 97, .	2.5	9
12	Coherence of bulk-generated supercontinuum. Photonics Research, 2019, 7, 1345.	7.0	9
13	Cross-spectral purity of nonstationary light. Physical Review A, 2019, 99, .	2.5	8
14	Coherence Switching with Metamaterials. Physical Review Letters, 2021, 127, 153902.	7.8	8
15	Paraxial propagation of a class of Bessel-correlated fields. Optics Express, 2018, 26, 11055.	3.4	7
16	Spectral invariance and scaling law for nonstationary optical fields. Physical Review A, 2020, 101, .	2.5	6
17	Interferometry and coherence of nonstationary light. Optics Letters, 2019, 44, 522.	3.3	6
18	Polarization dependent beaming properties of a plasmonic lattice laser. New Journal of Physics, 2021, 23, 063037.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Temporal coherence modulation of pulsed, scalar light with a Fabry-Pérot interferometer. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1137.	1.5	5
20	Propagation of Bessel-correlated specular and antispecular beams. Optics Express, 2022, 30, 5709.	3.4	5
21	Bessel-correlated supercontinuum fields. Optics Express, 2017, 25, 23974.	3.4	4
22	Generation of pulse trains with nonconventional temporal correlation properties. Journal of Optics (United Kingdom), 2022, 24, 055502.	2.2	4
23	Azimuthally periodic and radially quasi-periodic Bessel-correlated fields. Optics Express, 2022, 30, 11754.	3.4	2
24	Pulse shaping by spectral-domain polarization gratings. Optics Letters, 2022, 47, 2012.	3.3	1
25	Derivation and validation of a novel Semi Empirical Deposition Estimation Model (SEDEM). Journal of Environmental Radioactivity, 2016, 165, 206-218.	1.7	0
26	Single-shot measurement of overall degree of spectral coherence: Bulk-generated supercontinuum case. Physical Review B, 2022, 105, .	3.2	0