

Mario Ferraro

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

331
citations

840585

11
h-index

996849

15
g-index

23
all docs

23
docs citations

23
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear beam self-imaging and self-focusing dynamics in a GRIN multimode optical fiber: theory and experiments. Optics Express, 2020, 28, 24005.	1.7	52
2	Statistical mechanics of beam self-cleaning in GRIN multimode optical fibers. Optics Express, 2022, 30, 10850.	1.7	49
3	Multiphoton-Absorption-Excited Up-Conversion Luminescence in Optical Fibers. Physical Review Applied, 2020, 14, .	1.5	34
4	Thermalization of Orbital Angular Momentum Beams in Multimode Optical Fibers. Physical Review Letters, 2022, 128, .	2.9	29
5	High-energy soliton fission dynamics in multimode GRIN fiber. Optics Express, 2020, 28, 20473.	1.7	27
6	Conditions for walk-off soliton generation in a multimode fiber. Communications Physics, 2021, 4, .	2.0	26
7	Femtosecond nonlinear losses in multimode optical fibers. Photonics Research, 2021, 9, 2443.	3.4	22
8	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. Scientific Reports, 2021, 11, 18240.	1.6	19
9	Helical plasma filaments from the self-channeling of intense femtosecond laser pulses in optical fibers. Optics Letters, 2022, 47, 1.	1.7	17
10	Optical Phase Transition in Semiconductor Quantum Metamaterials. Physical Review Letters, 2019, 123, 117401.	2.9	15
11	Multiphoton ionization of standard optical fibers. Photonics Research, 2022, 10, 1394.	3.4	14
12	Multimode soliton collisions in graded-index optical fibers. Optics Express, 2022, 30, 21710.	1.7	12
13	Multimode solitons in step-index fibers. Optics Express, 2022, 30, 6300.	1.7	9
14	Managing Self-Phase Modulation in Pseudo-Linear Multimodal and Monomodal Systems. Journal of Lightwave Technology, 2021, 39, 1953-1960.	2.7	3
15	TENORM employed as inert material for house building: a model for evaluating the radon activity enhancement. Environmental Science and Pollution Research, 2022, 29, 25020-25028.	2.7	3
16	Intersubband plasmons induced negative refraction at mid-IR frequency in heterostructured semiconductor metamaterials. Journal of Physics: Conference Series, 2018, 1092, 012034.	0.3	0
17	Spatiotemporal guided bullets in multimode fiber. , 2021, , .		0
18	Spatiotemporal Soliton Attractor in Multimode Graded-index Fibers. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Femtosecond soliton spatio-temporal properties in multimode GRIN fibers. , 2021, , .		0
20	Mode-scrambling security using short pulses in multimode graded-index fiber. , 2021, , .		0
21	Spatio-Temporal Behaviour of Femtosecond Solitons in Graded-Index Multimode Fibers. , 2021, , .		0