

# 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	Helical plasma filaments from the self-channeling of intense femtosecond laser pulses in optical fibers. <i>Optics Letters</i> , 2022, 47, 1.	1.7	17
2	TENORM employed as inert material for house building: a model for evaluating the radon activity enhancement. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25020-25028.	2.7	3
3	Multimode solitons in step-index fibers. <i>Optics Express</i> , 2022, 30, 6300.	1.7	9
4	Statistical mechanics of beam self-cleaning in GRIN multimode optical fibers. <i>Optics Express</i> , 2022, 30, 10850.	1.7	49
5	Multiphoton ionization of standard optical fibers. <i>Photonics Research</i> , 2022, 10, 1394.	3.4	14
6	Multimode soliton collisions in graded-index optical fibers. <i>Optics Express</i> , 2022, 30, 21710.	1.7	12
7	Thermalization of Orbital Angular Momentum Beams in Multimode Optical Fibers. <i>Physical Review Letters</i> , 2022, 128, .	2.9	29
8	Spatiotemporal guided bullets in multimode fiber. , 2021, , .		0
9	Managing Self-Phase Modulation in Pseudo-Linear Multimodal and Monomodal Systems. <i>Journal of Lightwave Technology</i> , 2021, 39, 1953-1960.	2.7	3
10	Spatiotemporal Soliton Attractor in Multimode Graded-index Fibers. , 2021, , .		0
11	Conditions for walk-off soliton generation in a multimode fiber. <i>Communications Physics</i> , 2021, 4, .	2.0	26
12	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. <i>Scientific Reports</i> , 2021, 11, 18240.	1.6	19
13	Femtosecond nonlinear losses in multimode optical fibers. <i>Photonics Research</i> , 2021, 9, 2443.	3.4	22
14	Femtosecond soliton spatio-temporal properties in multimode GRIN fibers. , 2021, , .		0
15	Mode-scrambling security using short pulses in multimode graded-index fiber. , 2021, , .		0
16	Spatio-Temporal Behaviour of Femtosecond Solitons in Graded-Index Multimode Fibers. , 2021, , .		0
17	Multiphoton-Absorption-Excited Up-Conversion Luminescence in Optical Fibers. <i>Physical Review Applied</i> , 2020, 14, .	1.5	34
18	High-energy soliton fission dynamics in multimode GRIN fiber. <i>Optics Express</i> , 2020, 28, 20473.	1.7	27

#	ARTICLE	IF	CITATIONS
19	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
20	Optical Phase Transition in Semiconductor Quantum Metamaterials. Physical Review Letters, 2019, 123, 117401.	2.9	15
21	Intersubband plasmons induced negative refraction at mid-IR frequency in heterostructured semiconductor metamaterials. Journal of Physics: Conference Series, 2018, 1092, 012034.	0.3	0