

# Mario Zitelli

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

523  
citations

623574

14  
h-index

677027

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

192  
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	Single-channel transmission in dispersion management links in conditions of very strong pulse broadening: application to 40 Gb/s signals on step-index fibers. Journal of Lightwave Technology, 1999, 17, 2498-2505.	2.7	34
4	Multiphoton-Absorption-Excited Up-Conversion Luminescence in Optical Fibers. Physical Review Applied, 2020, 14, .	1.5	34
5	Thermalization of Orbital Angular Momentum Beams in Multimode Optical Fibers. Physical Review Letters, 2022, 128, .	2.9	29
6	High-energy soliton fission dynamics in multimode GRIN fiber. Optics Express, 2020, 28, 20473.	1.7	27
7	Optical Phase and Intensity Modulation Using Dark Pulses. IEEE Photonics Technology Letters, 2004, 16, 1972-1974.	1.3	26
8	Single-mode spatiotemporal soliton attractor in multimode GRIN fibers. Photonics Research, 2021, 9, 741.	3.4	26
9	Conditions for walk-off soliton generation in a multimode fiber. Communications Physics, 2021, 4, .	2.0	26
10	3D time-domain beam mapping for studying nonlinear dynamics in multimode optical fibers. Optics Letters, 2021, 46, 66.	1.7	24
11	Femtosecond nonlinear losses in multimode optical fibers. Photonics Research, 2021, 9, 2443.	3.4	22
12	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. Scientific Reports, 2021, 11, 18240.	1.6	19
13	Helical plasma filaments from the self-channeling of intense femtosecond laser pulses in optical fibers. Optics Letters, 2022, 47, 1.	1.7	17
14	Strong time jitter reduction using solitons in $\beta_2$ -dispersion managed fiber links. Optics Communications, 1998, 154, 273-276.	1.0	16
15	Spatial Beam Self-Cleaning in Tapered Yb-Doped GRIN Multimode Fiber With Decelerating Nonlinearity. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	15
16	Experimental observation of self-imaging in SMF-28 optical fibers. Optics Express, 2021, 29, 12625.	1.7	15
17	Multiphoton ionization of standard optical fibers. Photonics Research, 2022, 10, 1394.	3.4	14
18	Reduction of the four wave mixing in optically amplified links by reducing pulse overlapping. Optics Communications, 2000, 181, 407-411.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Multimode soliton collisions in graded-index optical fibers. Optics Express, 2022, 30, 21710.	1.7	12
20	Multimode solitons in step-index fibers. Optics Express, 2022, 30, 6300.	1.7	9
21	Solitonic waveguiding in planar glass structures. Optics Communications, 2000, 185, 331-336.	1.0	8
22	Experimental observation of spatial soliton dragging in a planar glass waveguide. Optics Communications, 1999, 168, 399-403.	1.0	7
23	Numerical and experimental investigation of power and wavelength margins for a 20-Gb/s dispersion-managed soliton transmission system on standard fiber. IEEE Photonics Technology Letters, 1999, 11, 904-906.	1.3	7
24	Phase-driven pulse breaking during perfectly-matched second harmonic generation. Optics Communications, 1998, 148, 427-435.	1.0	5
25	On the design of multipass dye laser amplifiers. IEEE Journal of Quantum Electronics, 1998, 34, 609-615.	1.0	5
26	Cross-phase modulation in polarization shift-keying lightwave systems. Applied Optics, 2004, 43, 149.	2.1	5
27	40-Gbit/s transmission in dispersion-management links with step-index fiber and linear compensation. Optics Letters, 1999, 24, 1169.	1.7	3
28	Managing Self-Phase Modulation in Pseudo-Linear Multimodal and Monomodal Systems. Journal of Lightwave Technology, 2021, 39, 1953-1960.	2.7	3
29	Improved optical transmitters for pulsed phase and intensity modulation. Optics Express, 2005, 13, 1215.	1.7	2
30	Femtosecond soliton spatio-temporal properties in multimode GRIN fibers. , 2021, , .		0
31	Spatio-Temporal Behaviour of Femtosecond Solitons in Graded-Index Multimode Fibers. , 2021, , .		0