

Vincenzo De Michele

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

319
citations

1307366

7
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of radiation induced point defects in silica-based optical fibers. <i>Reviews in Physics</i> , 2019, 4, 100032.	4.4	208
2	Origins of radiation-induced attenuation in pure-silica-core and Ge-doped optical fibers under pulsed x-ray irradiation. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	17
3	Extreme Radiation Sensitivity of Ultra-Low Loss Pure-Silica-Core Optical Fibers at Low Dose Levels and Infrared Wavelengths. <i>Sensors</i> , 2020, 20, 7254.	2.1	17
4	Near-IR- and UV-femtosecond laser waveguide inscription in silica glasses. <i>Optical Materials Express</i> , 2019, 9, 4624.	1.6	15
5	Radiation Effects on Pure-Silica Multimode Optical Fibers in the Visible and Near-Infrared Domains: Influence of OH Groups. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2991.	1.3	10
6	Steady-State X-Ray Radiation-Induced Attenuation in Canonical Optical Fibers. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 1650-1657.	1.2	9
7	Photobleaching Effect on Infrared Radiation-Induced Attenuation of Germanosilicate Optical Fibers at MGy Dose Levels. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 1688-1693.	1.2	9
8	Pulsed X-Ray Radiation Responses of Solarization-Resistant Optical Fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800487.	0.8	7
9	Transient and Steady-State Radiation Response of Phosphosilicate Optical Fibers: Influence of H_2 Loading. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 289-295.	1.2	7
10	Photobleaching Effect on the Radiation-Induced Attenuation of an Ultralow Loss Optical Fiber at Telecommunication Wavelengths. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100518.	0.8	6
11	Multiphoton process investigation in silica by UV femtosecond laser. <i>Journal of Non-Crystalline Solids</i> , 2022, 580, 121384.	1.5	4
12	Temperature Dependence of Radiation Induced Attenuation of Aluminosilicate Optical Fiber. <i>IEEE Transactions on Nuclear Science</i> , 2022, 69, 1515-1520.	1.2	4
13	Pulsed X-Ray Radiation Response of Ultralow Loss Pure-Silica-Core Optical Fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100519.	0.8	3
14	Photoluminescence of Point Defects in Silicon Dioxide by Femtosecond Laser Exposure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000802.	0.8	2
15	Photocycle of point defects in highly- and weakly-germanium doped silica revealed by transient absorption measurements with femtosecond tunable pump. <i>Scientific Reports</i> , 2022, 12, .	1.6	1