Youcef Ouerdane

List of Publications by Year in descending order

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328	4,820	147726 31	168321 53
papers	citations	h-index	g-index

332	332	332	2033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photobleaching Effect on the Radiationâ€Induced Attenuation of an Ultralow Loss Optical Fiber at Telecommunication Wavelengths. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, 2100518.	0.8	6
2	Pulsed Xâ€Ray Radiation Response of Ultralow Loss Pureâ€Silicaâ€Core Optical Fibers. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, 2100519.	0.8	3
3	Temperature Dependence of Low-Dose Radiation-Induced Attenuation of Germanium-Doped Optical Fiber at Infrared Wavelengths. IEEE Transactions on Nuclear Science, 2022, 69, 512-517.	1.2	9
4	Multiphoton process investigation in silica by UV femtosecond laser. Journal of Non-Crystalline Solids, 2022, 580, 121384.	1.5	4
5	Optimization of the Radiation Response of Backup Optical Fiber Amplifiers for Space Missions. IEEE Transactions on Nuclear Science, 2022, 69, 1500-1505.	1.2	0
6	X-Ray Radioluminescence in Diversely Doped Multimode Silica-Based Optical Fibers. IEEE Transactions on Nuclear Science, 2022, 69, 1625-1632.	1.2	3
7	Temperature Dependence of Radiation Induced Attenuation of Aluminosilicate Optical Fiber. IEEE Transactions on Nuclear Science, 2022, 69, 1515-1520.	1.2	4
8	In Situ Optical Characterization of Bulk Optical Glasses Under Protons and X-Rays. IEEE Transactions on Nuclear Science, 2022, 69, 1492-1499.	1.2	0
9	Femtosecond Direct Laser Writing of Silver Clusters in Phosphate Glasses for X-ray Spatially-Resolved Dosimetry. Chemosensors, 2022, 10, 110.	1.8	3
10	Radiation vulnerability of standard and radiation-hardened optical glasses at MGy dose: Towards the design of tolerant optical systems. Journal of Non-Crystalline Solids, 2022, 585, 121531.	1.5	3
11	Optical Fiber-Based Monitoring of X-ray Pulse Series from a Linear Accelerator. Radiation, 2022, 2, 17-32.	0.6	6
12	O2 Loaded Germanosilicate Optical Fibers: Experimental In Situ Investigation and Ab Initio Simulation Study of GLPC Evolution under Irradiation. Applied Sciences (Switzerland), 2022, 12, 3916.	1.3	0
13	Monitoring of Ultra-High Dose Rate Pulsed X-ray Facilities with Radioluminescent Nitrogen-Doped Optical Fiber. Sensors, 2022, 22, 3192.	2.1	6
14	Photocycle of point defects in highly- and weakly-germanium doped silica revealed by transient absorption measurements with femtosecond tunable pump. Scientific Reports, 2022, 12, .	1.6	1
15	Ultraviolet-visible light-induced solarisation in silica-based optical fibres for indoor solar applications. Journal of Non-Crystalline Solids, 2021, 552, 120458.	1.5	3
16	Large and Versatile Plasmonic Enhancement of Photoluminescence Using Colloidal Metallic Nanocubes. Journal of Physical Chemistry C, 2021, 125, 7780-7790.	1.5	4
17	Transient absorption with a femtosecond tunable excitation pump reveals the emission kinetics of color centers in amorphous silica. Optics Letters, 2021, 46, 1736.	1.7	1
18	Photoluminescence of Point Defects in Silicon Dioxide by Femtosecond Laser Exposure. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000802.	0.8	2

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19	Nearâ€IR Radiationâ€Induced Attenuation of Aluminosilicate Optical Fibers. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000807.	0.8	8
20	Radiation Effects on Pure-Silica Multimode Optical Fibers in the Visible and Near-Infrared Domains: Influence of OH Groups. Applied Sciences (Switzerland), 2021, 11, 2991.	1.3	10
21	Solâ€“Gel Waveguide-Based Sensor for Structural Health Monitoring on Large Surfaces in Aerospace Domain. Aerospace, 2021, 8, 109.	1.1	8
22	Investigation of the Incorporation of Cerium Ions in MCVD-Silica Glass Preforms for Remote Optical Fiber Radiation Dosimetry. Sensors, 2021, 21, 3362.	2.1	10
23	Temperature Influence on the Radiation Responses of Erbiumâ€Doped Fiber Amplifiers. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100002.	0.8	8
24	Operating Temperature Range of Phosphorous-Doped Optical Fiber Dosimeters Exploiting Infrared Radiation-Induced Attenuation. IEEE Transactions on Nuclear Science, 2021, 68, 906-912.	1.2	12
25	Combined Temperature and Radiation Effects on the Gain of Er- and Erâ€“Yb-Doped Fiber Amplifiers. IEEE Transactions on Nuclear Science, 2021, 68, 793-800.	1.2	8
26	Regeneration of Fiber Bragg Gratings and Their Responses Under X-Rays. IEEE Transactions on Nuclear Science, 2021, 68, 1681-1687.	1.2	4
27	Distributed Temperature and Strain Fiber-Based Sensing in Radiation Environment. IEEE Transactions on Nuclear Science, 2021, 68, 1675-1680.	1.2	2
28	Photobleaching Effect on Infrared Radiation-Induced Attenuation of Germanosilicate Optical Fibers at MGy Dose Levels. IEEE Transactions on Nuclear Science, 2021, 68, 1688-1693.	1.2	9
29	Temperature Effect on the Radioluminescence of Cu-, Ce-, and CuCe-Doped Silica-Based Fiber Materials. IEEE Transactions on Nuclear Science, 2021, 68, 1782-1787.	1.2	5
30	Investigation by Thermoluminescence of the Ionization and Annealing Processes in Irradiated Ge-Doped Silica Fiber Preform. IEEE Transactions on Nuclear Science, 2021, 68, 1556-1564.	1.2	1
31	Structural and optical changes in silica-based optical fibers exposed to high neutron and gamma fluences. Journal of Non-Crystalline Solids, 2021, 574, 121150.	1.5	1
32	Impact of Î³-rays Irradiation on Hybrid TiO2-SiO2 Sol-Gel Films Doped with RHODAMINE 6G. Materials, 2021, 14, 5754.	1.3	3
33	Recent Advances in Radiation-Hardened Fiber-Optic Amplifiers for Space-based Laser Communications. , 2021, , .		0
34	Optimization of single-mode optical fibers for strain and temperature discrimination through Brillouin sensing. , 2021, , .		0
35	Radioluminescence Response of Ce-, Cu-, and Gd-Doped Silica Glasses for Dosimetry of Pulsed Electron Beams. Sensors, 2021, 21, 7523.	2.1	5
36	Multi-Mode Interferometry: Application to TiO2â€“SiO2 Sol-Gel Waveguide-Based Sensing in the Aerospace Domain. Aerospace, 2021, 8, 401.	1.1	1

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37	Transient and Steady-State Radiation Response of Phosphosilicate Optical Fibers: Influence of H₂ Loading. IEEE Transactions on Nuclear Science, 2020, 67, 289-295.	1.2	7
38	Performances of Radiation-Hardened Single-Ended Raman Distributed Temperature Sensors Using Commercially Available Fibers. IEEE Transactions on Nuclear Science, 2020, 67, 305-311.	1.2	10
39	Radiation Effects on WDM and DWDM Architectures of Preamplifier and Boost-Amplifier. IEEE Transactions on Nuclear Science, 2020, 67, 278-283.	1.2	2
40	Origins of radiation-induced attenuation in pure-silica-core and Ge-doped optical fibers under pulsed x-ray irradiation. Journal of Applied Physics, 2020, 128, .	1.1	17
41	Atmospheric Neutron Monitoring through Optical Fiber-Based Sensing. Sensors, 2020, 20, 4510.	2.1	9
42	Comparison between the UV and X-ray Photosensitivities of Hybrid TiO2-SiO2 Thin Layers. Materials, 2020, 13, 3730.	1.3	3
43	Extreme Radiation Sensitivity of Ultra-Low Loss Pure-Silica-Core Optical Fibers at Low Dose Levels and Infrared Wavelengths. Sensors, 2020, 20, 7254.	2.1	17
44	Remote monitoring of Molten Core-Concrete Interaction experiment with Optical Fibre Sensors & perspectives to improve nuclear safety â€“ DISCOMS project. EPJ Web of Conferences, 2020, 225, 08004.	0.1	1
45	Tests under irradiation of optical fibers and cables devoted to corium monitoring in case of severe accident in a Nuclear Power Plant. EPJ Web of Conferences, 2020, 225, 08006.	0.1	1
46	Irradiation Tests of Optical Fibers and Cables Devoted to Corium Monitoring in Case of a Severe Accident in a Nuclear Power Plant. IEEE Transactions on Nuclear Science, 2020, 67, 669-678.	1.2	5
47	Cu/Ce-co-Doped Silica Glass as Radioluminescent Material for Ionizing Radiation Dosimetry. Materials, 2020, 13, 2611.	1.3	8
48	Radiation-Response of Fiber Bragg Gratings at Low Temperatures. IEEE Transactions on Nuclear Science, 2020, 67, 1637-1642.	1.2	5
49	Combined Temperature and Radiation Effects on Radiation-Sensitive Single-Mode Optical Fibers. IEEE Transactions on Nuclear Science, 2020, 67, 1643-1649.	1.2	16
50	Remote Measurements of X-Rays Dose Rate Using a Cerium-Doped Air-Clad Optical Fiber. IEEE Transactions on Nuclear Science, 2020, 67, 1658-1662.	1.2	8
51	Radiation Response of Distributed Feedback Bragg Gratings for Space Applications. IEEE Transactions on Nuclear Science, 2020, 67, 284-288.	1.2	2
52	Distributed and discrete hydrogen monitoring through optical fiber sensors based on optical frequency domain reflectometry. JPhys Photonics, 2020, 2, 014009.	2.2	2
53	Steady-State X-Ray Radiation-Induced Attenuation in Canonical Optical Fibers. IEEE Transactions on Nuclear Science, 2020, 67, 1650-1657.	1.2	9
54	Corrections to â€œIrradiation Tests of Optical Fibers and Cables Devoted to Corium Monitoring in Case of a Severe Accident in a Nuclear Power Plantâ€• IEEE Transactions on Nuclear Science, 2020, 67, 1195-1195.	1.2	0

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55	Recent Advances on Radiation-Hardened Optical Fiber Technologies. , 2020, , .		1
56	Coupled radiation and temperature effects on Erbium-doped fiber amplifiers. , 2020, , .		1
57	Optical fibers under irradiation: quantitative assessment of the energy distribution of radiation-induced trapped states. , 2020, , .		3
58	In-situ regeneration of P-doped optical fiber dosimeter. Optics Letters, 2020, 45, 5201.	1.7	4
59	Combined Experimental and Simulation Study of the Fiber Composition Effects on Its Brillouin Scattering Signature. Journal of Lightwave Technology, 2019, 37, 4619-4624.	2.7	4
60	Study of silica-based intrinsically emitting nanoparticles produced by an excimer laser. Beilstein Journal of Nanotechnology, 2019, 10, 211-221.	1.5	1
61	Radiation and High Temperature Effects on Regenerated Fiber Bragg Grating. Journal of Lightwave Technology, 2019, 37, 4763-4769.	2.7	8
62	v-P2O5 micro-clustering in P-doped silica studied by a first-principles Raman investigation. Scientific Reports, 2019, 9, 7126.	1.6	7
63	Overview of radiation induced point defects in silica-based optical fibers. Reviews in Physics, 2019, 4, 100032.	4.4	208
64	Distributed Optical Fiber Sensor Allowing Temperature and Strain Discrimination in Radiation Environments. IEEE Transactions on Nuclear Science, 2019, 66, 1651-1656.	1.2	6
65	Crystal Growth in Mesoporous TiO₂ Optical Thin Films. Journal of Physical Chemistry C, 2019, 123, 6070-6079.	1.5	7
66	Novel Gd3+-doped silica-based optical fiber material for dosimetry in proton therapy. Scientific Reports, 2019, 9, 16376.	1.6	25
67	Radiation Effects on Aluminosilicate Optical Fibers: Spectral Investigations From the Ultraviolet to Nearâ€Infrared Domains. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800485.	0.8	11
68	Combined Temperature Radiation Effects and Influence of Drawing Conditions on Phosphorousâ€Doped Optical Fibers. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800553.	0.8	13
69	Radiation-Induced Effects on Fiber Bragg Gratings Inscribed in Highly Birefringent Photonic Crystal Fiber. IEEE Transactions on Nuclear Science, 2019, 66, 120-124.	1.2	3
70	Theoretical Investigation of Thermal Effects in High Power Er 3+ /Yb 3+ â€•Codoped Doubleâ€Clad Fiber Amplifiers for Space Applications. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800582.	0.8	5
71	X-Rays, <inline-formula> <tex-math notation="LaTeX">$gamma$ </tex-math> </inline-formula>-Rays, and Proton Beam Monitoring With Multimode Nitrogen-Doped Optical Fiber. IEEE Transactions on Nuclear Science, 2019, 66, 306-311.	1.2	11
72	How transparent film applied on dermatologic imaging devices in order to prevent infections affects image quality?. Skin Research and Technology, 2019, 25, 229-233.	0.8	3

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73	Pulsed Xâ€Ray Radiation Responses of Solarizationâ€Resistant Optical Fibers. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800487.	0.8	7
74	Influence of Selfâ€Trapped Holes on the Responses of Fluorineâ€Doped Multimode Optical Fibers Exposed to Low Fluences of Protons. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800547.	0.8	2
75	Coupled temperature and Î³-radiation effect on silica-based optical fiber strain sensors based on Rayleigh and Brillouin scatterings. Optics Express, 2019, 27, 21608.	1.7	9
76	X-ray preconditioning for enhancing refractive index contrast in femtosecond laser photoinscription of embedded waveguides in pure silica. Optical Materials Express, 2019, 9, 65.	1.6	13
77	Near-IR- and UV-femtosecond laser waveguide inscription in silica glasses. Optical Materials Express, 2019, 9, 4624.	1.6	15
78	Optical responses of a copper-activated sol-gel silica glass under low-dose and low-dose rate X-ray exposures. OSA Continuum, 2019, 2, 563.	1.8	7
79	Gd³⁺-doped sol-gel silica glass for remote ionizing radiation dosimetry. OSA Continuum, 2019, 2, 715.	1.8	9
80	Investigations of the MGy dose level radiation effects on the photometric budget of a radiation-hardened CMOS-based camera. Applied Optics, 2019, 58, 6165.	0.9	2
81	Hydrogen and deuterium distributed sensing using chirped pulse Ï†OTDR. , 2019, , .		0
82	Distributed detection of hydrogen and deuterium diffusion into a single-mode optical fiber with chirped-pulse phase-sensitive optical time-domain reflectometry. Optics Letters, 2019, 44, 5286.	1.7	6
83	X-ray irradiation response of antireflection coatings. , 2019, , .		0
84	Radioluminescence and Optically Stimulated Luminescence Responses of a Cerium-Doped Sol-Gel Silica Glass Under X-Ray Beam Irradiation. IEEE Transactions on Nuclear Science, 2018, 65, 1591-1597.	1.2	20
85	Radiation-Induced Attenuation in Single-Mode Phosphosilicate Optical Fibers for Radiation Detection. IEEE Transactions on Nuclear Science, 2018, 65, 126-131.	1.2	16
86	Confocal-micro-luminescence characterization of femtosecond laser irradiated silica and borosilicate glasses. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 251-257.	0.6	2
87	Vulnerability and Hardening Studies of Optical and Illumination Systems at MGy Dose Levels. IEEE Transactions on Nuclear Science, 2018, 65, 132-140.	1.2	11
88	Steady-State Radiation-Induced Effects on the Performances of BOTDA and BOTDR Optical Fiber Sensors. IEEE Transactions on Nuclear Science, 2018, 65, 111-118.	1.2	14
89	Radiation Effects on Type I Fiber Bragg Gratings: Influence of Recoating and Irradiation Conditions. Journal of Lightwave Technology, 2018, 36, 998-1004.	2.7	11
90	X-rays, Î³-rays, electrons and protons radiation-induced changes on the lifetimes of Er 3+ and Yb 3+ ions in silica-based optical fibers. Journal of Luminescence, 2018, 195, 402-407.	1.5	18

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91	Spectral properties and lifetime of green emission in Î³-ray irradiated bismuth-doped silica photonic crystal fibers. Journal of Non-Crystalline Solids, 2018, 482, 100-104.	1.5	1
92	X-Ray, Proton, and Electron Radiation Effects on Type I Fiber Bragg Gratings. IEEE Transactions on Nuclear Science, 2018, 65, 1632-1638.	1.2	12
93	6-MeV Electron Exposure Effects on OFDR-Based Distributed Fiber-Based Sensors. IEEE Transactions on Nuclear Science, 2018, 65, 1598-1603.	1.2	8
94	Dependence of the Voids-Fiber Bragg Grating Radiation Response on Temperature, Dose, and Dose Rate. IEEE Transactions on Nuclear Science, 2018, 65, 1619-1623.	1.2	9
95	Ni-Ion and $gamma$ -Ray Irradiated Silica-Based Glasses Characterized by Luminescence and Raman Spectroscopies. IEEE Transactions on Nuclear Science, 2018, 65, 1604-1611.	1.2	0
96	Effects of ionizing radiations on the optical properties of ionic copper-activated sol-gel silica glasses. Optical Materials, 2018, 75, 116-121.	1.7	10
97	Combined Radiation and Temperature Effects on Brillouin Scattering based Sensing with Ge-Doped Optical Fibers. , 2018, , .		2
98	Structured blue emission in Bismuth doped fibers. Optical Materials, 2018, 84, 663-667.	1.7	0
99	Validity of the McCumber Theory at High Temperatures in Erbium and Ytterbium-Doped Aluminosilicate Fibers. IEEE Journal of Quantum Electronics, 2018, 54, 1-7.	1.0	5
100	Radiation hardened high-power Er³⁺/Yb³⁺-codoped fiber amplifiers for free-space optical communications. Optics Letters, 2018, 43, 3049.	1.7	25
101	Recent advances in radiation-hardened fiber-based technologies for space applications. Journal of Optics (United Kingdom), 2018, 20, 093001.	1.0	153
102	Growth and Decay Kinetics of Radiation-Induced Attenuation in Bulk Optical Materials. IEEE Transactions on Nuclear Science, 2018, 65, 1612-1618.	1.2	20
103	Optical absorption spectra of P defects in vitreous silica. Optical Materials Express, 2018, 8, 385.	1.6	9
104	Temperature-Dependent Modeling of Cladding-Pumped <inline-formula> <tex-math notation="LaTeX">$ext{Er}^{3+}$</tex-math> </inline-formula>/<inline-formula> <tex-math notation="LaTeX">$ext{Yb}^{3+}$</tex-math> </inline-formula>-Codoped Fiber Amplifiers for Space Applications. Journal of Lightwave Technology, 2018, 36, 3594-3602.	2.7	12
105	Statistical analysis of the 800 nm fs-laser inscription conditions on the characteristics and thermal stability of FBGs inscribed in fluorine-doped optical fibers. , 2018, , .		0
106	Regenerated Fiber Bragg Gratings under High Temperature and Radiations. , 2018, , .		3
107	Combined Radiations and Temperature Effects on FBGs Photo-inscribed by Femtosecond Laser in Radiation-Hardened Optical Fibers. , 2018, , .		2
108	Femtosecond IR laser Inscription and X-ray Radiation Response of Fiber Bragg Gratings in Aluminosilicate Optical Fibers. , 2018, , .		1

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109	Radiation influence on Er/Yb doped fiber amplifiers performances: high power and WDM architectures. , 2018, , .		1
110	Potential performance loss and compensation techniques of a lens under ionizing radiations. , 2018, , .		1
111	Correlations between Structural and Optical Properties of Peroxy Bridges from First Principles. Journal of Physical Chemistry C, 2017, 121, 4002-4010.	1.5	9
112	Gamma Radiation Tests of Radiation-Hardened Fiber Bragg Grating-Based Sensors for Radiation Environments. IEEE Transactions on Nuclear Science, 2017, 64, 2307-2311.	1.2	14
113	Optimization of rare-earth-doped amplifiers for space mission through a hardening-by-system strategy. , 2017, , .		2
114	Study of point defects in as-drawn and irradiated Ge-doped optical fibers using cathodoluminescence. IOP Conference Series: Materials Science and Engineering, 2017, 169, 012006.	0.3	1
115	Irradiation temperature effects on the induced point defects in Ge-doped optical fibers.. IOP Conference Series: Materials Science and Engineering, 2017, 169, 012008.	0.3	0
116	Study of Î³-ray radiation effects on TW-COTDR optical fiber sensors. , 2017, , .		0
117	Optimized radiation-hardened erbium doped fiber amplifiers for long space missions. Journal of Applied Physics, 2017, 121, .	1.1	27
118	Radiation effects on type I fiber Bragg gratings: influence of recoating. Proceedings of SPIE, 2017, , .	0.8	0
119	Coupled irradiation-temperature effects on induced point defects in germanosilicate optical fibers. Journal of Materials Science, 2017, 52, 10697-10708.	1.7	3
120	Photoactivated processes in optical fibers: generation and conversion mechanisms of twofold coordinated Si and Ge atoms. Nanotechnology, 2017, 28, 195202.	1.3	15
121	Real time monitoring of water level and temperature in storage fuel pools through optical fibre sensors. Scientific Reports, 2017, 7, 8766.	1.6	40
122	Radiation-Hardened Fiber Bragg Grating Based Sensors for Harsh Environments. IEEE Transactions on Nuclear Science, 2017, 64, 68-73.	1.2	27
123	Resonance Raman of oxygen dangling bonds in amorphous silicon dioxide. Journal of Raman Spectroscopy, 2017, 48, 230-234.	1.2	7
124	Evaluation of Distributed OFDR-Based Sensing Performance in Mixed Neutron/Gamma Radiation Environments. IEEE Transactions on Nuclear Science, 2017, 64, 61-67.	1.2	11
125	Radiation Hardened Architecture of a Single-Ended Raman-Based Distributed Temperature Sensor. IEEE Transactions on Nuclear Science, 2017, 64, 54-60.	1.2	12
126	Potential of Copper- and Cerium-Doped Optical Fiber Materials for Proton Beam Monitoring. IEEE Transactions on Nuclear Science, 2017, 64, 567-573.	1.2	20

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127	Steady Î³-Ray Effects on the Performance of PPP-BOTDA and TW-COTDR Fiber Sensing. Sensors, 2017, 17, 396.	2.1	12
128	Franceâ€™s State of the Art Distributed Optical Fibre Sensors Qualified for the Monitoring of the French Underground Repository for High Level and Intermediate Level Long Lived Radioactive Wastes. Sensors, 2017, 17, 1377.	2.1	33
129	Potential of Novel Optical Fibers for Proton Therapy Dosimetry. , 2017, , .		3
130	Hydroxyl Properties of Hydrogenated Germanosilicate Optical Fiber Due to Thermal Treatment and Ultraviolet Irradiation. Journal of Nano- and Electronic Physics, 2017, 9, 01027-1-01027-4.	0.2	0
131	Gamma radiation tests of radiation-hardened fiber Bragg grating based sensors for radiation environments. , 2016, , .		0
132	Effect of irradiation temperature on the radiation induced attenuation of Ge-doped fibers. , 2016, , .		1
133	Ge-doped silica nanoparticles: production and characterisation. Optical Materials Express, 2016, 6, 2213.	1.6	4
134	Investigation of Coating Impact on OFDR Optical Remote Fiber-Based Sensors Performances for Their Integration in High Temperature and Radiation Environments. Journal of Lightwave Technology, 2016, 34, 4460-4465.	2.7	12
135	Radiation Characterization of Optical Frequency Domain Reflectometry Fiber-Based Distributed Sensors. IEEE Transactions on Nuclear Science, 2016, 63, 1688-1693.	1.2	15
136	Cathodoluminescence Characterization of Point Defects in Optical Fibers. IEEE Transactions on Nuclear Science, 2016, , 1-1.	1.2	6
137	Dose Rate Effect Comparison on the Radiation Response of Type I Fiber Bragg Gratings Written With UV cw Laser. IEEE Transactions on Nuclear Science, 2016, 63, 2046-2050.	1.2	8
138	Evidence of different red emissions in irradiated germanosilicate materials. Journal of Luminescence, 2016, 177, 127-132.	1.5	5
139	Cathodoluminescence investigation of Ge-point defects in silica-based optical fibers. Journal of Luminescence, 2016, 179, 1-7.	1.5	7
140	Irradiation temperature influence on the in-situ measured radiation induced attenuation of Ge-doped fibers. IEEE Transactions on Nuclear Science, 2016, , 1-1.	1.2	3
141	On-Line Characterization of Gamma Radiation Effects on Single-Ended Raman Based Distributed Fiber Optic Sensor. IEEE Transactions on Nuclear Science, 2016, 63, 2051-2057.	1.2	12
142	Investigation of point defects in silica-based optical fibers by cathodoluminescence. , 2016, , .		0
143	Optical Frequency Domain Reflectometer Distributed Sensing Using Microstructured Pure Silica Optical Fibers Under Radiations. IEEE Transactions on Nuclear Science, 2016, 63, 2038-2045.	1.2	7
144	Cerium-activated solâ€“gel silica glasses for radiation dosimetry in harsh environment. Materials Research Express, 2016, 3, 046201.	0.8	26

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145	Solâ€“gel derived copper-doped silica glass as a sensitive material for X-ray beam dosimetry. Optical Materials, 2016, 51, 104-109.	1.7	22
146	O₂-Loading Treatment of Ge-Doped Silica Fibers: A Radiation Hardening Process. Journal of Lightwave Technology, 2016, 34, 2311-2316.	2.7	16
147	Radiation Response of Ce-Codoped Germanosilicate and Phosphosilicate Optical Fibers. IEEE Transactions on Nuclear Science, 2016, 63, 2058-2064.	1.2	27
148	Influence of Pb doping on the structural, morphological and optical properties of solâ€“gel ZnO thin films. Materials Science in Semiconductor Processing, 2016, 41, 382-389.	1.9	31
149	Radiation-hardened fiber Bragg gratings for space missions. , 2016, , .		5
150	Recent Advances in Radiation Hardened Fiber-Based Technologies. , 2016, , .		0
151	Basic Mechanisms of Ionizing Radiation Effects on Silica-Based Optical Fibers. , 2016, , .		0
152	Radiation Hardened Optical Frequency Domain Reflectometry Distributed Temperature Fiber-Based Sensors. IEEE Transactions on Nuclear Science, 2015, 62, 2988-2994.	1.2	15
153	Gamma and x-ray irradiation effects on different Ge and Ge/F doped optical fibers. Journal of Applied Physics, 2015, 118, .	1.1	17
154	Characterization of coal tattoos by Raman spectroscopy. Skin Research and Technology, 2015, 21, 511-512.	0.8	5
155	On-site Regeneration Technique for Hole-Assisted Optical Fibers Used In Nuclear Facilities. IEEE Transactions on Nuclear Science, 2015, 62, 2941-2947.	1.2	12
156	Dose-Rate Dependence of Fiber Bragg Gratings' Responses. , 2015, , .		1
157	Cerium Codoping Effect on the Radiation Response of Germanosilicate and Phosphosilicate Multimode Optical Fibers. , 2015, , .		1
158	Radiation Response of OFDR Distributed Sensors Based on Microstructured Pure Silica Optical Fibers. , 2015, , .		2
159	Radiation effects on optical frequency domain reflectometry fiber-based sensor. Optics Letters, 2015, 40, 4571.	1.7	30
160	Radiation Induced Attenuation Kinetics in Pure-Silica-Core Optical Fibers during Successive Irradiations. , 2015, , .		0
161	Radiation Vulnerability of Fiber Bragg Gratings in Harsh Environments. Journal of Lightwave Technology, 2015, 33, 2646-2651.	2.7	22
162	Effects of Radiation and Hydrogen-Loading on the Performances of Raman-Distributed Temperature Fiber Sensors. Journal of Lightwave Technology, 2015, 33, 2432-2438.	2.7	19

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163	High Total Ionizing Dose and Temperature Effects on Micro- and Nano-Electronic Devices. IEEE Transactions on Nuclear Science, 2015, 62, 1226-1232.	1.2	19
164	Influence of neutron and gamma-ray irradiations on rad-hard optical fiber. Optical Materials Express, 2015, 5, 898.	1.6	39
165	Influence of photo-inscription conditions on the radiation-response of fiber Bragg gratings. Optics Express, 2015, 23, 8659.	1.7	18
166	Ge(2), Ge(1) and Ge-Eâ€² centers in irradiated Ge-doped silica: a first-principles EPR study. Optical Materials Express, 2015, 5, 1054.	1.6	29
167	Vulnerability of OFDR-based distributed sensors to high Î³-ray doses. Optics Express, 2015, 23, 18997.	1.7	33
168	HOBAN project: towards the development of radiation-tolerant fiber-based temperature sensors for nuclear industry. Proceedings of SPIE, 2015, , .	0.8	2
169	Identification of a soft tissue filler byex vivoconfocal microscopy and Raman spectroscopy in a case of adverse reaction to the filler. Skin Research and Technology, 2015, 21, 114-118.	0.8	9
170	Steady state Î³-ray radiation effects on Brillouin fiber sensors. , 2015, , .		3
171	Coating impact and radiation effects on optical frequency domain reflectometry fiber-based temperature sensors. Proceedings of SPIE, 2015, , .	0.8	1
172	Effects of stabilizer ratio on photoluminescence properties of sol-gel ZnO nano-structured thin films. Journal of Luminescence, 2015, 158, 32-37.	1.5	37
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