Andrei A Stolov

List of Publications by Year
in descending order

20	175	1307594 7	1125743 13
papers	citations	h-index	g-index

20	20	20	144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new polyimide coating for optical fibers: demonstration of advantageous characteristics in harsh environments. , 2022, , .		1
2	Effects of Hydrogen Scavenging Cable Gel on the Strength and Attenuation of Optical Fibers. Journal of Lightwave Technology, 2022, 40, 6264-6271.	4.6	3
3	Thermal stability of optical fiber coatings: comparison of experimental thermogravimetric approaches. Journal of Thermal Analysis and Calorimetry, 2021, 146, 1773-1789.	3.6	7
4	Opto-Mechanical Fiber Sensing of Gamma Radiation. Journal of Lightwave Technology, 2021, 39, 6637-6645.	4.6	19
5	Water enrichment/depletion of amorphous carbon coatings probed by temperature-dependent dc electrical conductivity and Raman scattering. Applied Surface Science, 2021, 570, 151052.	6.1	5
6	Spectrally Resolving Coherent TERS Spectroscopy of Electrically Biased Carbon-Coated Fibers. Journal of Physical Chemistry C, 2020, 124, 14752-14758.	3.1	8
7	Behavior of Specialty Optical Fibers in Crude Oil Environment. Journal of Lightwave Technology, 2020, 38, 3759-3768.	4.6	9
8	Water-Anchored Edge Defects in Amorphous Carbon Probed with Thermal- and Electroassisted Raman Spectroscopy and Nanoscopy. Journal of Physical Chemistry C, 2020, 124, 15886-15894.	3.1	6
9	Effects of e-beam and gamma sterilization on attenuation of selected single-mode and mutimode optical fibers. , 2019, , .		0
10	Optical fibers for distributed sensing in harsh environments. , 2018, , .		4
11	Sensing carbon allotropes in protective coatings on optical fibers with farâ€•and nearâ€€field ‹scp›R‹/scp›aman spectroscopy and microscopy. Journal of Raman Spectroscopy, 2017, 48, 1346-1355.	2.5	6
12	Thermal stability of specialty optical fiber coatings. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1411-1423.	3.6	17
13	Effects of low temperature and hot steam on reliability of specialty optical fibers designed for avionics applications. , 2013, , .		3
14	Effects of sterilization methods on key properties of specialty optical fibers used in medical devices. Proceedings of SPIE, 2013, , .	0.8	9
15	Carbon coatings on silica glass optical fibers studied by reflectance Fourier-transform infrared spectroscopy and focused ion beam scanning electron microscopy. Thin Solid Films, 2012, 520, 4242-4248.	1.8	9
16	Fictive Temperature of Larger Diameter Silica Optical Fibers. Journal of Lightwave Technology, 2011, 29, 1046-1050.	4.6	3
17	Optical fibers with dual coatings for high-temperature applications. , 2010, , .		3
18	Micro Attenuated Total Reflection Spectra of Bulk Silica Glass: Effects of Experimental Conditions and Glass Thermal History on Appearance of a Surface Polariton in the Siâ€”O Stretching Region. Applied Spectroscopy, 2008, 62, 624-633.	2.2	4

#	Article	IF	Citations
19	Thermal Stability of Specialty Optical Fibers. Journal of Lightwave Technology, 2008, 26, 3443-3451.	4.6	55
20	Application of Micro-Attenuated Total Reflectance Infrared Spectroscopy to Quantitative Analysis of Optical Fiber Coatings: Effects of Optical Contact. Applied Spectroscopy, 2006, 60, 29-38.	2.2	4