

# Michele Giordano

## List of Publications by Year in descending order

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279  
papers

7,198  
citations

44042

48  
h-index

79644

73  
g-index

284  
all docs

284  
docs citations

284  
times ranked

6104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thinned Fiber Bragg Gratings as High Sensitivity Refractive Index Sensor. IEEE Photonics Technology Letters, 2004, 16, 1149-1151.	1.3	290
2	Mode transition in high refractive index coated long period gratings. Optics Express, 2006, 14, 19.	1.7	249
3	Caseins and hydrophobins as novel green flame retardants for cotton fabrics. Polymer Degradation and Stability, 2014, 99, 111-117.	2.7	218
4	An acoustic-emission characterization of the failure modes in polymer-composite materials. Composites Science and Technology, 1998, 58, 1923-1928.	3.8	150
5	Alcohol detection using carbon nanotubes acoustic and optical sensors. Applied Physics Letters, 2004, 85, 2379-2381.	1.5	134
6	Thinned fiber Bragg gratings as refractive index sensors. IEEE Sensors Journal, 2005, 5, 1288-1295.	2.4	134
7	Reinforcement efficiency of multi-walled carbon nanotube/epoxy nano composites. Composites Science and Technology, 2010, 70, 1154-1160.	3.8	128
8	Giant sensitivity of long period gratings in transition mode near the dispersion turning point: an integrated design approach. Optics Letters, 2012, 37, 4152.	1.7	126
9	The effect of the aspect ratio of carbon nanotubes on their effective reinforcement modulus in an epoxy matrix. Composites Science and Technology, 2011, 71, 1117-1123.	3.8	121
10	Carbon nanotube acoustic and optical sensors for volatile organic compound detection. Nanotechnology, 2005, 16, 2536-2547.	1.3	114
11	Response of fiber Bragg gratings to longitudinal ultrasonic waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 304-312.	1.7	114
12	Radiation hard humidity sensors for high energy physics applications using polyimide-coated fiber Bragg gratings sensors. Sensors and Actuators B: Chemical, 2013, 177, 94-102.	4.0	109
13	Refractive index sensor based on microstructured fiber Bragg grating. IEEE Photonics Technology Letters, 2005, 17, 1250-1252.	1.3	106
14	Long period grating in double cladding fiber coated with graphene oxide as high-performance optical platform for biosensing. Biosensors and Bioelectronics, 2021, 172, 112747.	5.3	100
15	Cladding mode reorganization in high-refractive-index-coated long-period gratings: effects on the refractive-index sensitivity. Optics Letters, 2005, 30, 2536.	1.7	98
16	High-sensitivity optical chemosensor based on coated long-period gratings for sub-ppm chemical detection in water. Applied Physics Letters, 2005, 87, 234105.	1.5	97
17	Coated long-period fiber gratings as high-sensitivity optochemical sensors. Journal of Lightwave Technology, 2006, 24, 1776-1786.	2.7	91
18	Silanization and silica enrichment of multiwalled carbon nanotubes: Synergistic effects on the thermal-mechanical properties of epoxy nanocomposites. European Polymer Journal, 2013, 49, 428-438.	2.6	90

#	ARTICLE	IF	CITATIONS
19	Experimental modal analysis of an aircraft model wing by embedded fiber Bragg grating sensors. IEEE Sensors Journal, 2006, 6, 67-77.	2.4	81
20	SWCNT nano-composite optical sensors for VOC and gas trace detection. Sensors and Actuators B: Chemical, 2009, 138, 351-361.	4.0	79
21	Long period fiber grating nano-optrode for cancer biomarker detection. Biosensors and Bioelectronics, 2016, 80, 590-600.	5.3	79
22	The effects of titanium nitride-coating on the topographic and biological features of TPS implant surfaces. Journal of Dentistry, 2011, 39, 720-728.	1.7	78
23	Molecular Sensing by Nanoporous Crystalline Polymers. Sensors, 2009, 9, 9816-9857.	2.1	75
24	Dynamic strain measurements by fibre Bragg grating sensor. Sensors and Actuators A: Physical, 2004, 110, 276-281.	2.0	73
25	Ultrasensitive biosensor based on long period grating coated with polycarbonate-graphene oxide multilayer. Sensors and Actuators B: Chemical, 2018, 274, 517-526.	4.0	73
26	Miniaturized Sensing Probes Based on Metallic Dielectric Crystals Self-Assembled on Optical Fiber Tips. ACS Photonics, 2014, 1, 917-927.	3.2	72
27	Carbon nanotubes thin films fiber optic and acoustic VOCs sensors: Performances analysis. Sensors and Actuators B: Chemical, 2006, 118, 232-242.	4.0	70
28	Syndiotactic polystyrene thin film as sensitive layer for an optoelectronic chemical sensing device. Sensors and Actuators B: Chemical, 2005, 109, 177-184.	4.0	68
29	Electrical resistivity study and characterization during NiTi phase transformations. Thermochimica Acta, 2007, 462, 64-69.	1.2	67
30	Human gingival fibroblast functions are stimulated by oxidized nano-structured titanium surfaces. Journal of Dentistry, 2013, 41, 900-907.	1.7	66
31	Long period grating working in transition mode as promising technological platform for label-free biosensing. Optics Express, 2009, 17, 20039.	1.7	65
32	Real time monitoring of cure and gelification of a thermoset matrix. Composites Science and Technology, 2006, 66, 3273-3280.	3.8	64
33	Label-Free Biosensors Based on Long Period Fiber Gratings: A Review. IEEE Sensors Journal, 2021, 21, 12692-12705.	2.4	64
34	Cure-induced residual strain build-up in a thermoset resin. Composites Part A: Applied Science and Manufacturing, 2006, 37, 592-601.	3.8	62
35	Carbon nanotubes-coated multi-transducing sensors for VOCs detection. Sensors and Actuators B: Chemical, 2005, 111-112, 171-180.	4.0	61
36	Fire behavior and smoke emission of phosphate-based inorganic fire-retarded polyester resin. Fire and Materials, 2012, 36, 203-215.	0.9	61

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37	Underwater Acoustic Sensors Based on Fiber Bragg Gratings. <i>Sensors</i> , 2009, 9, 4446-4454.	2.1	60
38	Combined electrical and rheological properties of shear induced multiwall carbon nanotube agglomerates in epoxy suspensions. <i>European Polymer Journal</i> , 2011, 47, 2069-2077.	2.6	59
39	Resin flow monitoring in resin film infusion process. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 687-692.	3.1	56
40	Nonuniform thinned fiber Bragg gratings for simultaneous refractive index and temperature measurements. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 1495-1497.	1.3	56
41	Effects of sepiolite clay on degradation and fire behaviour of a bisphenol A-based epoxy. <i>Composites Part B: Engineering</i> , 2015, 73, 139-148.	5.9	56
42	A methodology to reduce thermal gradients due to the exothermic reactions in composites processing. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 1675-1684.	2.5	55
43	An optoelectronic sensor for cure monitoring in thermoset-based composites. <i>Sensors and Actuators A: Physical</i> , 2000, 84, 270-275.	2.0	54
44	Transition mode long period grating biosensor with functional multilayer coatings. <i>Optics Express</i> , 2011, 19, 512.	1.7	54
45	Fiber Bragg Grating sensors to measure the coefficient of thermal expansion of polymers at cryogenic temperatures. <i>Sensors and Actuators A: Physical</i> , 2013, 189, 195-203.	2.0	54
46	Optical chemo-sensor based on long period gratings coated with $\lambda$ -form syndiotactic polystyrene. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 1713-1715.	1.3	53
47	Optical sensor based on ultrathin films of $\lambda$ -form syndiotactic polystyrene for fast and high resolution detection of chloroform. <i>Applied Physics Letters</i> , 2004, 85, 5349-5351.	1.5	52
48	Self temperature referenced refractive index sensor by non-uniform thinned fiber Bragg gratings. <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 231-237.	4.0	52
49	Method of quantitative analysis of filler dispersion in composite systems with spherical inclusions. <i>Composites Science and Technology</i> , 2011, 71, 1543-1549.	3.8	50
50	Optoelectronic refractive index measurements: application to smart processing. <i>IEEE Sensors Journal</i> , 2003, 3, 781-787.	2.4	49
51	Sensitivity characteristics in nanosized coated long period gratings. <i>Applied Physics Letters</i> , 2006, 89, 201116.	1.5	48
52	Label-free detection of vitamin D by optical biosensing based on long period fiber grating. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130637.	4.0	48
53	Fiber optic humidity sensors for high-energy physics applications at CERN. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 66-74.	4.0	46
54	C-4 Gem-Dimethylated Oleanes of <i>Gymnema sylvestre</i> and Their Pharmacological Activities. <i>Molecules</i> , 2013, 18, 14892-14919.	1.7	45

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55	A Fiber-Optic Bragg Grating Seismic Sensor. IEEE Photonics Technology Letters, 2007, 19, 1991-1993.	1.3	44
56	Effects of zinc-based flame retardants on the degradation behaviour of an aerospace epoxy matrix. Polymer Degradation and Stability, 2009, 94, 1354-1363.	2.7	43
57	Evanescent wave long-period fiber grating within D-shaped optical fibers for high sensitivity refractive index detection. Sensors and Actuators B: Chemical, 2011, 152, 196-205.	4.0	43
58	Spectral behavior in thinned long period gratings: effects of fiber diameter on refractive index sensitivity. Applied Optics, 2007, 46, 6945.	2.1	42
59	Thermally activated multiple self-healing diels-alder epoxy system. Polymer Engineering and Science, 2017, 57, 674-679.	1.5	42
60	Modal analysis and damage detection by Fiber Bragg grating sensors. Sensors and Actuators A: Physical, 2007, 133, 415-424.	2.0	41
61	Fiber Bragg Grating Cryosensors for Superconducting Accelerator Magnets. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	41
62	Monitoring by a single fiber Bragg grating of the process induced chemo-physical transformations of a model thermoset. Sensors and Actuators A: Physical, 2004, 113, 166-173.	2.0	40
63	Electrical Properties of Single Walled Carbon Nanotube Reinforced Polystyrene Composites. Macromolecular Symposia, 2007, 247, 172-181.	0.4	40
64	Synergistic effects of zinc borate and aluminium trihydroxide on flammability behaviour of aerospace epoxy system. EXPRESS Polymer Letters, 2009, 3, 376-384.	1.1	40
65	Thermo-mechanical characterization of epoxy nanocomposites with different carbon nanotube distributions obtained by solvent aided and direct mixing. EXPRESS Polymer Letters, 2012, 6, 520-531.	1.1	39
66	Nanoscale TiO <sub>2</sub> -coated LPGs as radiation-tolerant humidity sensors for high-energy physics applications. Optics Letters, 2014, 39, 4128.	1.7	39
67	Finite element simulation of low velocity impact on shape memory alloy composite plates. Composite Structures, 2005, 71, 337-342.	3.1	38
68	Spectral behavior of thin film coated cascaded tapered long period gratings in multiple configurations. Optics Express, 2008, 16, 9765.	1.7	38
69	A protein-based biointerfacing route toward label-free immunoassays with long period gratings in transition mode. Biosensors and Bioelectronics, 2012, 31, 486-491.	5.3	38
70	Toward the microstructure-properties relationship in MWCNT/epoxy composites: Percolation behavior and dielectric spectroscopy. Composites Science and Technology, 2014, 96, 38-46.	3.8	38
71	Cryogenic-temperature profiling of high-power superconducting lines using local and distributed optical-fiber sensors. Optics Letters, 2015, 40, 4424.	1.7	38
72	Tuning the insulator to conductor transition in a multiwalled carbon nanotubes/epoxy composite at substatistical percolation threshold. Applied Physics Letters, 2009, 95, .	1.5	37

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73	Sensitivity Enhancement in Long Period Gratings by Mode Transition in Uncoated Double Cladding Fibers. <i>IEEE Sensors Journal</i> , 2020, 20, 234-241.	2.4	37
74	Long period fiber grating working in reflection mode as valuable biosensing platform for the detection of drug resistant bacteria. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 510-520.	4.0	35
75	Quantitative optical analysis of filler dispersion degree in MWCNT-epoxy nanocomposite. <i>Composites Science and Technology</i> , 2012, 72, 477-481.	3.8	34
76	A new cost-saving vacuum infusion process for fiber-reinforced composites: Pulsed infusion. <i>Journal of Composite Materials</i> , 2014, 48, 1365-1373.	1.2	34
77	Zinc-based compounds as smoke suppressant agents for an aerospace epoxy matrix. <i>Polymer International</i> , 2011, 60, 304-311.	1.6	33
78	Nanochemical fabrication of a graphene oxide-based nanohybrid for label-free optical sensing with fiber optics. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 523-526.	4.0	32
79	Acoustic and Optical VOCs Sensors Incorporating Carbon Nanotubes. <i>IEEE Sensors Journal</i> , 2006, 6, 867-875.	2.4	31
80	A Novel Optochemical Sensor Based on $\text{SnO}_2$ Sensitive Thin Film for ppm Ammonia Detection in Liquid Environment. <i>Journal of Lightwave Technology</i> , 2006, 24, 5000-5007.	2.7	31
81	Effect of sepiolite filler on mechanical behaviour of a bisphenol A-based epoxy system. <i>Composites Part B: Engineering</i> , 2014, 67, 400-409.	5.9	30
82	Tailoring the electrical properties of MWCNT/epoxy composites controlling processing conditions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1441-1447.	3.8	29
83	External Refractive Index Sensitivity of Weakly Tilted Fiber Bragg Gratings With Different Coating Thicknesses. <i>IEEE Sensors Journal</i> , 2008, 8, 1330-1336.	2.4	28
84	Bone marrow mesenchymal stem cell response to nanostructured oxidized and turned titanium surfaces. <i>Clinical Oral Implants Research</i> , 2012, 23, 733-740.	1.9	28
85	Effect of filler on the creep characteristics of epoxy and epoxy-based CFRPs containing multi-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2014, 100, 198-203.	3.8	28
86	Enduring Fluoride Health Hazard for the Vesuvius Area Population: The Case of AD 79 Herculaneum. <i>PLoS ONE</i> , 2011, 6, e21085.	1.1	28
87	An high sensitivity optical sensor for chloroform vapours detection based on nanometric film of $\hat{i}$ -form syndiotactic polystyrene. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 140-147.	4.0	27
88	The effect of cooling rate on the glass transition of an amorphous polymer. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 515-522.	1.5	27
89	Thermal decomposition and fire behavior of glass fiber-reinforced polyester resin composites containing phosphate-based fire-retardant additives. <i>Journal of Fire Sciences</i> , 2012, 30, 318-330.	0.9	27
90	Microstructured fibre Bragg gratings: analysis and fabrication. <i>Electronics Letters</i> , 2005, 41, 466.	0.5	26

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91	Advances in Fiber Optic Sensors Technology Development for Temperature and Strain Measurements in Superconducting Magnets and Devices. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	26
92	Analysis of heat transfer in autoclave technology. Polymer Composites, 2001, 22, 613-620.	2.3	25
93	Micro-structured fiber Bragg gratings. Part I: Spectral characteristics. Optical Fiber Technology, 2007, 13, 281-290.	1.4	25
94	Micro-structured fiber Bragg gratings. Part II: Towards advanced photonic devices. Optical Fiber Technology, 2007, 13, 291-301.	1.4	25
95	Charge transfer effects on the sensing properties of fiber optic chemical nano-sensors based on single-walled carbon nanotubes. Carbon, 2009, 47, 782-788.	5.4	25
96	Radiation hard polyimide-coated FBG optical sensors for relative humidity monitoring in the CMS experiment at CERN. Journal of Instrumentation, 2014, 9, C03040-C03040.	0.5	25
97	Label-free fiber optic optrode for the detection of class C $\beta$ -lactamases expressed by drug resistant bacteria. Biomedical Optics Express, 2017, 8, 5191.	1.5	25
98	Integrated Development of Chemoptical Fiber Nanosensors. Current Analytical Chemistry, 2008, 4, 296-315.	0.6	24
99	Photoluminescence of Graphene Oxide Infiltrated into Mesoporous Silicon. Journal of Physical Chemistry C, 2014, 118, 27301-27307.	1.5	24
100	Multifunction Fiber Optic Sensing System for Smart Applications. IEEE/ASME Transactions on Mechatronics, 2004, 9, 40-49.	3.7	23
101	A Comparative Study of Radiation-Tolerant Fiber Optic Sensors for Relative Humidity Monitoring in High-Radiation Environments at CERN. IEEE Photonics Journal, 2014, 6, 1-15.	1.0	23
102	Resin flow in a pultrusion process. Polymer Composites, 1997, 18, 681-686.	2.3	22
103	Analysis of feasibility on the use of fiber Bragg grating sensors as ultrasound detectors. , 2001, , .		22
104	Thinned and micro-structured fibre Bragg gratings: towards new all-fibre high-sensitivity chemical sensors. Journal of Optics, 2005, 7, 734-741.	1.5	22
105	Effect of moisture on elastic and viscoelastic properties of epoxy and epoxy-based carbon fibre reinforced plastic filled with multiwall carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2016, 90, 522-527.	3.8	22
106	A Clean Process for Obtaining High-Quality Cellulose Acetate from Cigarette Butts. Materials, 2020, 13, 4710.	1.3	22
107	Chemical Detection in Water by Single-Walled Carbon Nanotubes-Based Optical Fiber Sensors. IEEE Sensors Journal, 2007, 7, 1004-1005.	2.4	21
108	Acoustic emission wave propagation in a viscoelastic plate. Composites Science and Technology, 1999, 59, 1735-1743.	3.8	20

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109	Advanced cure monitoring by optoelectronic multifunction sensing system. <i>Thin Solid Films</i> , 2004, 450, 191-194.	0.8	20
110	Sensing properties of buffered and not buffered carbon nanotubes by fibre optic and acoustic sensors. <i>Measurement Science and Technology</i> , 2006, 17, 1220-1228.	1.4	20
111	Carbon Nanotubes Coated Acoustic and Optical VOCs Sensors: Towards the Tailoring of the Sensing Performances. <i>IEEE Nanotechnology Magazine</i> , 2007, 6, 601-612.	1.1	20
112	Permeability characterization of stitched carbon fiber preforms by fiber optic sensors. <i>EXPRESS Polymer Letters</i> , 2011, 5, 1075-1084.	1.1	20
113	Self-Assembled Colloidal Photonic Crystal on the Fiber Optic Tip as a Sensing Probe. <i>IEEE Photonics Journal</i> , 2017, 9, 1-11.	1.0	20
114	Fiber Optic Probe Based on Self-Assembled Photonic Crystal for Relative Humidity Sensing. <i>Journal of Lightwave Technology</i> , 2019, 37, 4610-4618.	2.7	20
115	Label-free optical biosensing at femtomolar detection limit. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1097-1104.	4.0	19
116	A simulation of the non-isothermal resin transfer molding process. <i>Polymer Engineering and Science</i> , 2000, 40, 2471-2481.	1.5	18
117	Optoelectronic characterization of the curing process of thermoset-based composites. <i>Journal of Optics</i> , 2001, 3, 126-130.	1.5	18
118	Optical probes based on optical fibers and single-walled carbon nanotubes for hydrogen detection at cryogenic temperatures. <i>Applied Physics Letters</i> , 2006, 89, 201106.	1.5	18
119	Microfluidic-Assisted Production of Size-Controlled Superparamagnetic Iron Oxide Nanoparticles-Loaded Poly(methyl methacrylate) Nanohybrids. <i>Langmuir</i> , 2018, 34, 1981-1991.	1.6	18
120	Nacre-like GNP/Epoxy composites: Reinforcement efficiency vis-à-vis graphene content. <i>Composites Science and Technology</i> , 2021, 211, 108873.	3.8	18
121	A fiber optic thermoset cure monitoring sensor. <i>Polymer Composites</i> , 2000, 21, 523-530.	2.3	17
122	A Linear Numerical Approach to Simulate the Delamination Growth Initiation in Stiffened Composite Panels. <i>Journal of Composite Materials</i> , 2010, 44, 1841-1866.	1.2	17
123	Fabrication and characterization of metal-core carbon-shell nanoparticles filling an aeronautical composite matrix. <i>European Polymer Journal</i> , 2015, 71, 140-151.	2.6	17
124	Photonic bandgap influence on the SERS effect in metal-dielectric colloidal crystals optical fiber probe. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130149.	4.0	17
125	Novel Optochemical Sensors Based on Hollow Fibers and Single Walled Carbon Nanotubes. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2431-2433.	1.3	16
126	Optochemical sensor for water monitoring based on SnO <sub>2</sub> particle layer deposited onto optical fibers by the electrospray pyrolysis method. <i>Applied Physics Letters</i> , 2006, 89, 111103.	1.5	16



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127	Enthalpy relaxation of an epoxy matrix/carbon nanotubes. , 2012, , .		16
128	Effect of the segmental mobility restriction on the thermoset chemical kinetics. Journal of Polymer Science Part A, 2002, 40, 3757-3770.	2.5	15
129	Chirped fiber-Bragg grating as self-temperature referenced strain sensor in nonisothermal thermoset processing. IEEE Sensors Journal, 2006, 6, 111-117.	2.4	15
130	Effect of the anisotropic magnetostriction on Terfenol-D based fiber Bragg grating magnetic sensors. Sensors and Actuators A: Physical, 2011, 172, 420-427.	2.0	15
131	A simplified approach to model damping behaviour of interleaved carbon fibre laminates. Composites Part B: Engineering, 2016, 97, 103-110.	5.9	15
132	Fabrication and Thermo-Mechanical Characterization of a Shape Memory Alloy Hybrid Composite. Journal of Intelligent Material Systems and Structures, 2011, 22, 245-252.	1.4	14
133	Analysis of acoustic emission signals resulting from fiber breakage in single fiber composites. Polymer Composites, 1999, 20, 758-770.	2.3	13
134	Fiber Bragg Grating and Magnetic Shape Memory Alloy: Novel High-Sensitivity Magnetic Sensor. IEEE Sensors Journal, 2007, 7, 228-229.	2.4	13
135	Railway monitoring and train tracking by fiber Bragg grating sensors. Proceedings of SPIE, 2007, 6619, 556.	0.8	12
136	Enhancing damping features of advanced polymer composites by micromechanical hybridization. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1663-1672.	3.8	12
137	Strain monitoring of composite elements by fibre Bragg grating sensors during a quasi-static indentation. Composites Part B: Engineering, 2014, 56, 34-41.	5.9	12
138	Novel Optoelectronic Sensing System for Thin Polymer Films Glass Transition Investigation. IEEE Sensors Journal, 2004, 4, 837-844.	2.4	11
139	Monitoring the Dispersion Process of SWNTs in Aqueous Solutions by UV-Vis and Raman Spectroscopies. Journal of Nanoscience and Nanotechnology, 2009, 9, 6026-6033.	0.9	11
140	Long-Term Temperature Monitoring in CMS Using Fiber Optic Sensors. IEEE Sensors Journal, 2012, 12, 3392-3398.	2.4	11
141	A stiffness volume averaging based approach to model non-crimp fabric reinforced composites. Composites Science and Technology, 2012, 72, 360-369.	3.8	11
142	Autoclave manufacturing of thick composites. Polymer Composites, 2002, 23, 902-910.	2.3	10
143	Fabrication of polystyrene-encapsulated magnetic iron oxide nanoparticles via batch and microfluidic-assisted production. Colloid and Polymer Science, 2019, 297, 861-870.	1.0	10
144	Integrated fiber optic sensing system for in-situ characterization of the curing process of thermoset-based composites. , 2001, 4328, 275.		9

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145	Sensitivity Characteristics Tuning in Tapered Long-Period Gratings by Nanocoatings. IEEE Photonics Technology Letters, 2007, 19, 1517-1519.	1.3	9
146	Detection of Delamination in Carbon-Fibre-Reinforced Polymers with Lock-In Thermography. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2010, 224, 1219-1227.	0.7	9
147	One Year of FOS Measurements in CMS Experiment at CERN. Physics Procedia, 2012, 37, 79-84.	1.2	9
148	Aggregates of Chemically Functionalized Multiwalled Carbon Nanotubes as Viscosity Reducers. Materials, 2014, 7, 3251-3261.	1.3	9
149	Contactless optoelectronic technique for monitoring epoxy cure. Applied Optics, 2000, 39, 1130.	2.1	8
150	Low-cost all-fiber Bragg grating sensing system for temperature and strain measurements. Optical Engineering, 2005, 44, 084402.	0.5	8
151	Simulating the Response of Composite Plates to Fire. Applied Composite Materials, 2014, 21, 511-524.	1.3	8
152	Insights on Shear Transfer Efficiency in "Brick-and-Mortar" Composites Made of 2D Carbon Nanoparticles. Nanomaterials, 2022, 12, 1359.	1.9	8
153	Plastic Coated Fiber Bragg Gratings As High Sensitivity Hydrophones. , 2006, , .		7
154	Fiber Bragg Gratings Evanescent Wave Sensors: A View Back and Recent Advancements. Lecture Notes in Electrical Engineering, 2008, , 113-152.	0.3	7
155	Thermomechanical Modelling and Experimental Testing of a Shape Memory Alloy Hybrid Composite Plate. Advances in Science and Technology, 0, , .	0.2	7
156	Self Assembling and Coordination of Water Nano-Layers On Polymer Coated Long Period Gratings: Toward New Perspectives for Cation Detection. Soft Materials, 2011, 9, 238-263.	0.8	7
157	Cryogenic test facility instrumentation with fiber optic and fiber optic sensors for testing superconducting accelerator magnets. IOP Conference Series: Materials Science and Engineering, 2017, 278, 012082.	0.3	7
158	Recognition of organic solvents molecules by simultaneous detection using SAW oscillator sensors and optical fiber devices coated by Langmuir-Blodgett cadmium arachidate films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1493-1502.	1.7	6
159	Near field behavior of SnO <sub>2</sub> particle-layer deposited on standard optical fiber by electrostatic spray pyrolysis method. Optics Express, 2007, 15, 5136.	1.7	6
160	Resonant hydrophones based on coated fiber Bragg gratings. Part II: experimental analysis. Proceedings of SPIE, 2011, , .	0.8	6
161	Insight on mendable resin made by combining Diels-Alder epoxy adducts with DGEBA. AIP Conference Proceedings, 2016, , .	0.3	6
162	Fiber Bragg grating as ultrasonic wave sensors. , 2004, 5502, 84.		5

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163	Practical and Theoretic Analysis of Resin Flow in Vacuum Assisted Resin Transfer Molding Processes. Macromolecular Symposia, 2005, 228, 201-218.	0.4	5
164	A fiber optic Bragg grating seismic sensor. , 2007, , .		5
165	Editorial [Hot topic: Fiber Optic Chemical and Biological Sensors: Perspectives and Challenges Approaching the Nano-Era (Guest Editor: Andrea Cusano, Antonello Cutolo and Michele Giordano)]. Current Analytical Chemistry, 2008, 4, 271-272.	0.6	5
166	High-sensitivity metal oxides-coated long-period fiber grating sensors for humidity monitoring in high-energy physics applications. Proceedings of SPIE, 2014, , .	0.8	5
167	Lab-on-Fiber biosensing for cancer biomarker detection. Proceedings of SPIE, 2015, , .	0.8	5
168	Long period gratings coated with syndiotactic polystyrene as highly sensitive chemical sensors. , 2005, 5855, 483.		4
169	Dynamic measurements on a star tracker prototype of AMS using fiber optic sensors. Smart Materials and Structures, 2006, 15, 441-450.	1.8	4
170	Experimental verification of the direct elastomagnetic effect. International Journal of Applied Electromagnetics and Mechanics, 2007, 25, 37-41.	0.3	4
171	Fiber-Optic Near-Field Chemical Sensors Based on Wavelength Scale Tin Dioxide Particle Layers. Journal of Lightwave Technology, 2008, 26, 3468-3475.	2.7	4
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