

# Michele Giordano

## List of Publications by Year in descending order

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279  
papers

7,198  
citations

44069

48  
h-index

79698

73  
g-index

284  
all docs

284  
docs citations

284  
times ranked

6104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights on Shear Transfer Efficiency in "Brick-and-Mortar" Composites Made of 2D Carbon Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1359.	4.1	8
2	Label-Free Biosensors Based on Long Period Fiber Gratings: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 12692-12705.	4.7	64
3	Long period grating in double cladding fiber coated with graphene oxide as high-performance optical platform for biosensing. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112747.	10.1	100
4	Nacre-like GNP/Epoxy composites: Reinforcement efficiency vis-à-vis graphene content. <i>Composites Science and Technology</i> , 2021, 211, 108873.	7.8	18
5	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.	7.8	17
6	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.	7.8	48
7	Long period grating coated with graphene oxide as platform for optical fiber biosensors. , 2021, , .		0
8	Fiber optic biosensor based on long period grating for the detection of vitamin D. , 2021, , .		1
9	Sensitivity Enhancement in Long Period Gratings by Mode Transition in Uncoated Double Cladding Fibers. <i>IEEE Sensors Journal</i> , 2020, 20, 234-241.	4.7	37
10	Fiber optic biosensor for inflammatory markers based on long period grating. , 2020, , .		2
11	A Clean Process for Obtaining High-Quality Cellulose Acetate from Cigarette Butts. <i>Materials</i> , 2020, 13, 4710.	2.9	22
12	Relative Humidity Sensor Based on Tip of Multimode Optical Fiber Integrated with Photonic Crystal of Hydrogel Coated Polystyrene Nanoparticles. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 403-408.	0.4	0
13	Optical Fiber Tip Functionalized by Colloidal Photonic Crystal and Gold Nano-Particles for SERS Sensing. , 2020, , .		0
14	Manufacturing and properties of biomimetic graphite nanoplatelets foils. <i>Polymer Engineering and Science</i> , 2019, 59, 2443-2448.	3.1	1
15	Fiber Optic Probe Based on Self-Assembled Photonic Crystal for Relative Humidity Sensing. <i>Journal of Lightwave Technology</i> , 2019, 37, 4610-4618.	4.6	20
16	Fabrication of polystyrene-encapsulated magnetic iron oxide nanoparticles via batch and microfluidic-assisted production. <i>Colloid and Polymer Science</i> , 2019, 297, 861-870.	2.1	10
17	Load transfer in high content graphite nanoplateles composites. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
18	Metallic-Dielectric colloidal photonic crystal on the multimode optical fiber tip: preliminary results as optical fiber SERS probe. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Mode transition in uncoated long period gratings. , 2019, , .		0
20	Optical fiber SERS probe achieved by colloidal photonic crystal and gold nano-particles. , 2019, , .		1
21	Graphene oxide-functionalized long period grating for biosensing applications. , 2019, , .		0
22	Microfluidic-Assisted Production of Size-Controlled Superparamagnetic Iron Oxide Nanoparticles-Loaded Poly(methyl methacrylate) Nanohybrids. Langmuir, 2018, 34, 1981-1991.	3.5	18
23	Label-free optical biosensing at femtomolar detection limit. Sensors and Actuators B: Chemical, 2018, 255, 1097-1104.	7.8	19
24	Ultrasensitive biosensor based on long period grating coated with polycarbonate-graphene oxide multilayer. Sensors and Actuators B: Chemical, 2018, 274, 517-526.	7.8	73
25	Nacre-like composites made by graphite nanoplatelets. AIP Conference Proceedings, 2018, , .	0.4	1
26	Mechanical Properties of Nanolaminates Based on Graphene Nanoplatelets. , 2018, , 233-251.		0
27	Miniaturized fiber optic probe based on colloid crystals of hydrogel coated nanoparticles for relative humidity measurements. , 2018, , .		3
28	Mechanical behavior of hybrid fiber-reinforced composites manufactured by pulse infusion. Polymer Composites, 2017, 38, 2254-2260.	4.6	4
29	Thermally activated multiple self-healing diels-alder epoxy system. Polymer Engineering and Science, 2017, 57, 674-679.	3.1	42
30	Self-Assembled Colloidal Photonic Crystal on the Fiber Optic Tip as a Sensing Probe. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	20
31	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.	0.6	7
32	Label-free fiber optic optrode for the detection of class C $\beta$ -lactamases expressed by drug resistant bacteria. Biomedical Optics Express, 2017, 8, 5191.	2.9	25
33	Insight on mendable resin made by combining Diels-Alder epoxy adducts with DGEBA. AIP Conference Proceedings, 2016, , .	0.4	6
34	A simplified approach to model damping behaviour of interleaved carbon fibre laminates. Composites Part B: Engineering, 2016, 97, 103-110.	12.0	15
35	Long period fiber grating working in reflection mode as valuable biosensing platform for the detection of drug resistant bacteria. Sensors and Actuators B: Chemical, 2016, 230, 510-520.	7.8	35
36	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.	7.6	22

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37	Embedded fiber Bragg grating sensors for true temperature monitoring in Nb <sub>3</sub> Sn superconducting magnets for high energy physics. , 2016, , .		0
38	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.	1.7	26
39	Long period fiber grating nano-optrode for cancer biomarker detection. Biosensors and Bioelectronics, 2016, 80, 590-600.	10.1	79
40	High Sensitive Long Period Fiber Grating Biosensor for Cancer Biomarker Detection. , 2016, , .		1
41	Graphene oxide as an interfacial layer in silicon based Schottky barrier solar cells. , 2015, , .		1
42	Graphene oxide-based mesoporous silicon as tunable platform for optical applications. , 2015, , .		0
43	Fiber optic sensors structural monitoring of the beam pipe in the CMS experiment at the CERN. , 2015, , .		2
44	Photoluminescence of graphene oxide integrated with silicon substrates. , 2015, , .		0
45	Cryogenic-temperature profiling of high-power superconducting lines using local and distributed optical-fiber sensors. Optics Letters, 2015, 40, 4424.	3.3	38
46	Multifunctional properties of nanocomposites made by 1D and 2D graphene based fillers. , 2015, , .		0
47	Effects of sepiolite clay on degradation and fire behaviour of a bisphenol A-based epoxy. Composites Part B: Engineering, 2015, 73, 139-148.	12.0	56
48	Fabrication and characterization of metal-core carbon-shell nanoparticles filling an aeronautical composite matrix. European Polymer Journal, 2015, 71, 140-151.	5.4	17
49	Optical aliphatic hydrocarbon gas sensor based on Titanium Dioxide thin film. , 2015, , .		1
50	Lab on Fiber by Using the Breath Figure Technique. Springer Series in Surface Sciences, 2015, , 233-250.	0.3	2
51	Lab-on-Fiber biosensing for cancer biomarker detection. Proceedings of SPIE, 2015, , .	0.8	5
52	Reflection-type long period grating biosensor for detection of drug resistant bacteria: the OptoBacteria project. , 2015, , .		2
53	Bioinspired design of material with magneto optic coupling for electromagnetic sensing. , 2015, , .		0
54	High sensitive reflection type long period fiber grating biosensor for real time detection of thyroglobulin, a differentiated thyroid cancer biomarker: the Smart Health project. , 2015, , .		0

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55	Aggregates of Chemically Functionalized Multiwalled Carbon Nanotubes as Viscosity Reducers. <i>Materials</i> , 2014, 7, 3251-3261.	2.9	9
56	Radiation hard polyimide-coated FBG optical sensors for relative humidity monitoring in the CMS experiment at CERN. <i>Journal of Instrumentation</i> , 2014, 9, C03040-C03040.	1.2	25
57	A Comparative Study of Radiation-Tolerant Fiber Optic Sensors for Relative Humidity Monitoring in High-Radiation Environments at CERN. <i>IEEE Photonics Journal</i> , 2014, 6, 1-15.	2.0	23
58	Fiber optic cryogenic sensors for superconducting magnets and superconducting power transmission lines at CERN. , 2014, , .		1
59	Graphene oxide-based nanohybrid for label-free optical sensing. , 2014, , .		1
60	Vacuum infusion manufacturing and experimental characterization of Kevlar/epoxy composites. , 2014, , .		0
61	Photoluminescence of Graphene Oxide Infiltrated into Mesoporous Silicon. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27301-27307.	3.1	24
62	Probing the the Glass Transition of Atactic Polystyrene Thin Films Using Fiber Optic Refractometry. <i>Macromolecular Symposia</i> , 2014, 338, 90-95.	0.7	0
63	Fiber Bragg grating sensor as valuable technological platform for new generation of superconducting magnets. , 2014, , .		0
64	Reflection-type long period grating biosensor for the detection of drug resistant bacteria: The Opto-bacteria Project. , 2014, , .		0
65	High-sensitivity humidity sensors based on TiO <sub>2</sub> -coated long period fiber grating for high-energy physics applications. , 2014, , .		0
66	High-sensitivity metal oxides-coated long-period fiber grating sensors for humidity monitoring in high-energy physics applications. <i>Proceedings of SPIE</i> , 2014, , .	0.8	5
67	A new cost-saving vacuum infusion process for fiber-reinforced composites: Pulsed infusion. <i>Journal of Composite Materials</i> , 2014, 48, 1365-1373.	2.4	34
68	Radiation hard fiber optic thermo-hygrometers for relative humidity detection in the CMS experiment at CERN. , 2014, , .		0
69	Fiber Bragg Grating Cryosensors for Superconducting Accelerator Magnets. <i>IEEE Photonics Journal</i> , 2014, 6, 1-10.	2.0	41
70	Simulating the Response of Composite Plates to Fire. <i>Applied Composite Materials</i> , 2014, 21, 511-524.	2.5	8
71	Caseins and hydrophobins as novel green flame retardants for cotton fabrics. <i>Polymer Degradation and Stability</i> , 2014, 99, 111-117.	5.8	218
72	Strain monitoring of composite elements by fibre Bragg grating sensors during a quasi-static indentation. <i>Composites Part B: Engineering</i> , 2014, 56, 34-41.	12.0	12

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73	Radiation tolerant fiber optic thermo-hygrometers for aerospace applications. , 2014, , .		0
74	Fiber Bragg Grating sensors based monitoring system for superconducting accelerator magnets. , 2014, , .		0
75	Radiation tolerant FBG thermo-hygrometers for relative humidity detection in the CMS experiment at CERN. , 2014, , .		1
76	Long period fiber grating biosensor for the detection of drug resistant bacteria: The &#x201C;OPTObacteria&#x201D; project. , 2014, , .		2
77	Radiation tolerant humidity sensors based on nano-scale TiO <sub>2</sub> -coated LPGs for high-energy physics applications. , 2014, , .		0
78	Effect of filler on the creep characteristics of epoxy and epoxy-based CFRPs containing multi-walled carbon nanotubes. Composites Science and Technology, 2014, 100, 198-203.	7.8	28
79	Effect of sepiolite filler on mechanical behaviour of a bisphenol A-based epoxy system. Composites Part B: Engineering, 2014, 67, 400-409.	12.0	30
80	Miniaturized Sensing Probes Based on Metallic Dielectric Crystals Self-Assembled on Optical Fiber Tips. ACS Photonics, 2014, 1, 917-927.	6.6	72
81	Nanoscale TiO <sub>2</sub> -coated LPGs as radiation-tolerant humidity sensors for high-energy physics applications. Optics Letters, 2014, 39, 4128.	3.3	39
82	Fiber optic sensors for relative humidity monitoring in High Energy Physics applications. , 2014, , .		0
83	Toward the microstructureâ€“properties relationship in MWCNT/epoxy composites: Percolation behavior and dielectric spectroscopy. Composites Science and Technology, 2014, 96, 38-46.	7.8	38
84	Nanochemical fabrication of a graphene oxide-based nanohybrid for label-free optical sensing with fiber optics. Sensors and Actuators B: Chemical, 2014, 202, 523-526.	7.8	32
85	Engineering metallo dielectric structures on optical fiber tips by self-assembling techniques. , 2014, , .		0
86	Porphyrin thin films on fiber optic probes through UV-light induced deposition. Optics and Laser Technology, 2013, 49, 279-283.	4.6	4
87	Human gingival fibroblast functions are stimulated by oxidized nano-structured titanium surfaces. Journal of Dentistry, 2013, 41, 900-907.	4.1	66
88	Lab on fiber by using the breath figure technique. Proceedings of SPIE, 2013, , .	0.8	4
89	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.	7.8	109
90	Radiation hard humidity sensors based on polyimide-coated fiber Bragg gratings. , 2013, , .		2

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91	Silanization and silica enrichment of multiwalled carbon nanotubes: Synergistic effects on the thermal-mechanical properties of epoxy nanocomposites. <i>European Polymer Journal</i> , 2013, 49, 428-438.	5.4	90
92	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.	4.1	54
93	Porphyrin coated fiber optic probes for acid vapor detection. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
94	Ultrasensitive nanoprobe based on metallo-dielectric crystals integrated onto optical fiber tips using the breath figures technique. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
95	C-4 Gem-Dimethylated Oleanes of <i>Gymnema sylvestre</i> and Their Pharmacological Activities. <i>Molecules</i> , 2013, 18, 14892-14919.	3.8	45
96	STRUCTURAL HEALTH MONITORING IN BUILDINGS, BRIDGES AND CIVIL ENGINEERING. , 2013, , 21-45.		1
97	Thermo-mechanical characterization of epoxy nanocomposites with different carbon nanotube distributions obtained by solvent aided and direct mixing. <i>EXPRESS Polymer Letters</i> , 2012, 6, 520-531.	2.1	39
98	Thermal decomposition and fire behavior of glass fiberâ€“reinforced polyester resin composites containing phosphate-based fire-retardant additives. <i>Journal of Fire Sciences</i> , 2012, 30, 318-330.	2.0	27
99	Lab on fiber using self assembly technique: a preliminary study. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
100	Giant sensitivity of long period gratings in transition mode near the dispersion turning point: an integrated design approach. <i>Optics Letters</i> , 2012, 37, 4152.	3.3	126
101	Long-Term Temperature Monitoring in CMS Using Fiber Optic Sensors. <i>IEEE Sensors Journal</i> , 2012, 12, 3392-3398.	4.7	11
102	A calibration method based on look-up-table for cryogenic temperature fiber Bragg grating sensors. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
103	Enthalpy relaxation of an epoxy matrix/carbon nanotubes. , 2012, , .		16
104	Tailoring the electrical properties of MWCNT/epoxy composites controlling processing conditions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1441-1447.	7.6	29
105	One Year of FOS Measurements in CMS Experiment at CERN. <i>Physics Procedia</i> , 2012, 37, 79-84.	1.2	9
106	Fire behavior and smoke emission of phosphateâ€“based inorganic fireâ€“retarded polyester resin. <i>Fire and Materials</i> , 2012, 36, 203-215.	2.0	61
107	Bone marrow mesenchymal stem cell response to nanoâ€“structured oxidized and turned titanium surfaces. <i>Clinical Oral Implants Research</i> , 2012, 23, 733-740.	4.5	28
108	A stiffness volume averaging based approach to model non-crimp fabric reinforced composites. <i>Composites Science and Technology</i> , 2012, 72, 360-369.	7.8	11

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109	Quantitative optical analysis of filler dispersion degree in MWCNT-epoxy nanocomposite. <i>Composites Science and Technology</i> , 2012, 72, 477-481.	7.8	34
110	A protein-based biointerfacing route toward label-free immunoassays with long period gratings in transition mode. <i>Biosensors and Bioelectronics</i> , 2012, 31, 486-491.	10.1	38
111	Effect of the anisotropic magnetostriction on Terfenol-D based fiber bragg grating magnetic sensors. , 2011, , .		2
112	Enhancing damping features of advanced polymer composites by micromechanical hybridization. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1663-1672.	7.6	12
113	Transition mode long period grating biosensor with functional multilayer coatings. <i>Optics Express</i> , 2011, 19, 512.	3.4	54
114	The effects of titanium nitride-coating on the topographic and biological features of TPS implant surfaces. <i>Journal of Dentistry</i> , 2011, 39, 720-728.	4.1	78
115	Effect of the anisotropic magnetostriction on Terfenol-D based fiber Bragg grating magnetic sensors. <i>Sensors and Actuators A: Physical</i> , 2011, 172, 420-427.	4.1	15
116	Fiber optic humidity sensors for high-energy physics applications at CERN. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 66-74.	7.8	46
117	Method of quantitative analysis of filler dispersion in composite systems with spherical inclusions. <i>Composites Science and Technology</i> , 2011, 71, 1543-1549.	7.8	50
118	Combined electrical and rheological properties of shear induced multiwall carbon nanotube agglomerates in epoxy suspensions. <i>European Polymer Journal</i> , 2011, 47, 2069-2077.	5.4	59
119	The effect of the aspect ratio of carbon nanotubes on their effective reinforcement modulus in an epoxy matrix. <i>Composites Science and Technology</i> , 2011, 71, 1117-1123.	7.8	121
120	Zinc-based compounds as smoke suppressant agents for an aerospace epoxy matrix. <i>Polymer International</i> , 2011, 60, 304-311.	3.1	33
121	Evanescent wave long-period fiber grating within D-shaped optical fibers for high sensitivity refractive index detection. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 196-205.	7.8	43
122	Fabrication and Thermo-Mechanical Characterization of a Shape Memory Alloy Hybrid Composite. <i>Journal of Intelligent Material Systems and Structures</i> , 2011, 22, 245-252.	2.5	14
123	Resonant hydrophones based on coated fiber Bragg gratings. Part II: experimental analysis. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
124	Self Assembling and Coordination of Water Nano-Layers On Polymer Coated Long Period Gratings: Toward New Perspectives for Cation Detection. <i>Soft Materials</i> , 2011, 9, 238-263.	1.7	7
125	Radiation hard humidity sensors for high energy physics applications using polyimide-coated Fiber Bragg Gratings sensors. , 2011, , .		1
126	Permeability characterization of stitched carbon fiber preforms by fiber optic sensors. <i>EXPRESS Polymer Letters</i> , 2011, 5, 1075-1084.	2.1	20

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127	Enduring Fluoride Health Hazard for the Vesuvius Area Population: The Case of AD 79 Herculaneum. PLoS ONE, 2011, 6, e21085.	2.5	28
128	Fiber optic sensors for CMS-CERN. , 2010, , .		1
129	Functional multilayer coated long period grating tuned in transition region for life science applications. Proceedings of SPIE, 2010, , .	0.8	0
130	Self-assembling and coordination of water nano-layers on polymeric coated long period gratings as promising tool for cation detection. Proceedings of SPIE, 2010, , .	0.8	1
131	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.	1.3	9
132	Reinforcement efficiency of multi-walled carbon nanotube/epoxy nano composites. Composites Science and Technology, 2010, 70, 1154-1160.	7.8	128
133	Microstructured Optical Fibers Filled with Carbon Nanotubes: Photonic Bandgap Modification and Sensing Applications. , 2010, , .		2
134	A Linear Numerical Approach to Simulate the Delamination Growth Initiation in Stiffened Composite Panels. Journal of Composite Materials, 2010, 44, 1841-1866.	2.4	17
135	Evanescent-wave LPFG in D-fiber by periodically patterned overlay. Proceedings of SPIE, 2010, , .	0.8	0
136	Tuning by process of the electrical percolation behavior of multiwalled carbon nanotubesâ••epoxy composites. , 2010, , .		0
137	Development of a platform for biochemical sensing based on overlayered Long Period Gratings working in transition. , 2009, , .		0
138	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
139	Long period gratings working in transition mode as a valuable technological platform for biosensing. Proceedings of SPIE, 2009, , .	0.8	0
140	Molecular Sensing by Nanoporous Crystalline Polymers. Sensors, 2009, 9, 9816-9857.	3.8	75
141	Underwater acoustic sensors based on fiber Bragg gratings. Proceedings of SPIE, 2009, , .	0.8	4
142	Photonic bandgap modification in hollow optical fibers integrated with single walled carbon nanotubes. Microwave and Optical Technology Letters, 2009, 51, 2729-2732.	1.4	4
143	SWCNT nano-composite optical sensors for VOC and gas trace detection. Sensors and Actuators B: Chemical, 2009, 138, 351-361.	7.8	79
144	Effects of zinc-based flame retardants on the degradation behaviour of an aerospace epoxy matrix. Polymer Degradation and Stability, 2009, 94, 1354-1363.	5.8	43

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145	Charge transfer effects on the sensing properties of fiber optic chemical nano-sensors based on single-walled carbon nanotubes. Carbon, 2009, 47, 782-788.	10.3	25
146	Tuning the insulator to conductor transition in a multiwalled carbon nanotubes/epoxy composite at substatistical percolation threshold. Applied Physics Letters, 2009, 95, .	3.3	37
147	Long period grating working in transition mode as promising technological platform for label-free biosensing. Optics Express, 2009, 17, 20039.	3.4	65
148	Underwater Acoustic Sensors Based on Fiber Bragg Gratings. Sensors, 2009, 9, 4446-4454.	3.8	60
149	Modal Transition in Nano-Coated Long Period Fiber Gratings: Principle and Applications to Chemical Sensing. Integrated Analytical Systems, 2009, , 35-75.	0.4	1
150	Synergistic effects of zinc borate and aluminium trihydroxide on flammability behaviour of aerospace epoxy system. EXPRESS Polymer Letters, 2009, 3, 376-384.	2.1	40
151	Fiber-Optic Near-Field Chemical Sensors Based on Wavelength Scale Tin Dioxide Particle Layers. Journal of Lightwave Technology, 2008, 26, 3468-3475.	4.6	4
152	Spectral behavior of thin film coated cascaded tapered long period gratings in multiple configurations. Optics Express, 2008, 16, 9765.	3.4	38
153	Fiber Bragg Gratings Evanescent Wave Sensors: A View Back and Recent Advancements. Lecture Notes in Electrical Engineering, 2008, , 113-152.	0.4	7
154	Effect of the Loading History on Shape Memory Alloy Transformation Temperatures. Advances in Science and Technology, 2008, 59, 57-62.	0.2	4
155	Novel sensitive nanocoatings based on SWCNT composites for advanced fiber optic chemo-sensors. , 2008, , .		2
156	SWCNTs-based nanocomposites as sensitive coatings for advanced fiber optic chemical nanosensors. , 2008, , .		1
157	External Refractive Index Sensitivity of Weakly Tilted Fiber Bragg Gratings With Different Coating Thicknesses. IEEE Sensors Journal, 2008, 8, 1330-1336.	4.7	28
158	MULTISCALE MODELING OF HYBRID STRUCTURAL COMPOSITES WITH INTEGRATED DAMPING FEATURES. AIP Conference Proceedings, 2008, , .	0.4	0
159	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.	1.2	5
160	Integrated Development of Chemoptical Fiber Nanosensors. Current Analytical Chemistry, 2008, 4, 296-315.	1.2	24
161	Performance improvement of a cascaded tapered long period grating refractometer by using nano-sized high refractive index coatings. Proceedings of SPIE, 2008, , .	0.8	0
162	Hollow Fibers Integrated with Single Walled Carbon Nanotubes: Bandgap Modification and Chemical Sensing Capability. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	0

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163	Room temperature detection of chemical pollutants by SnO <sub>2</sub> -based optical fiber sensors. , 2007, , .		0
164	Effects of thickness and external refractive index in coated tilted fiber Bragg gratings. , 2007, , .		1
165	High sensitivity near-field opto-chemical sensors based on SnO <sub>2</sub> particle layers. , 2007, , .		0
166	Cadmium arachidate single-walled carbon nanotubes composites as sensitive coatings for high sensitivity fiber optic chemo-sensors. Proceedings of SPIE, 2007, , .	0.8	0
167	Railway monitoring and train tracking by fiber Bragg grating sensors. Proceedings of SPIE, 2007, 6619, 556.	0.8	12
168	Hollow-core optical fiber functionalized with single walled carbon nanotubes for VOC detection. Proceedings of SPIE, 2007, , .	0.8	0
169	Improvements in the fabrication of microstructured fiber Bragg grating sensors. Proceedings of SPIE, 2007, , .	0.8	2
170	Hollow fibres integrated with single walled carbon nanotubes as novel opto-chemical sensors. , 2007, , .		0
171	Nanocoating effects on tapered long period fiber gratings. Proceedings of SPIE, 2007, , .	0.8	1
172	Refractive index sensitivity in thinned long period gratings. , 2007, , .		0
173	Electrical Properties of Single Walled Carbon Nanotube Reinforced Polystyrene Composites. Macromolecular Symposia, 2007, 247, 172-181.	0.7	40
174	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.	3.4	6
175	Spectral behavior in thinned long period gratings: effects of fiber diameter on refractive index sensitivity. Applied Optics, 2007, 46, 6945.	2.1	42
176	Chemical Detection in Water by Single-Walled Carbon Nanotubes-Based Optical Fiber Sensors. IEEE Sensors Journal, 2007, 7, 1004-1005.	4.7	21
177	Carbon Nanotubes Coated Acoustic and Optical VOCs Sensors: Towards the Tailoring of the Sensing Performances. IEEE Nanotechnology Magazine, 2007, 6, 601-612.	2.0	20
178	Fiber Bragg Grating and Magnetic Shape Memory Alloy: Novel High-Sensitivity Magnetic Sensor. IEEE Sensors Journal, 2007, 7, 228-229.	4.7	13
179	Sensitivity Characteristics Tuning in Tapered Long-Period Gratings by Nanocoatings. IEEE Photonics Technology Letters, 2007, 19, 1517-1519.	2.5	9
180	A Fiber-Optic Bragg Grating Seismic Sensor. IEEE Photonics Technology Letters, 2007, 19, 1991-1993.	2.5	44

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181	A fiber optic Bragg grating seismic sensor. , 2007, , .		5
182	Experimental verification of the direct elastomagnetic effect. International Journal of Applied Electromagnetics and Mechanics, 2007, 25, 37-41.	0.6	4
183	Electrical resistivity study and characterization during NiTi phase transformations. Thermochemica Acta, 2007, 462, 64-69.	2.7	67
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