Michele Giordano

List of Publications by Year
in descending order

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	Insights on Shear Transfer Efficiency in â€œBrick-and-Mortarâ€•Composites Made of 2D Carbon Nanoparticles. Nanomaterials, 2022, 12, 1359.	1.9	8
2	Label-Free Biosensors Based on Long Period Fiber Gratings: A Review. IEEE Sensors Journal, 2021, 21, 12692-12705.	2.4	64
3	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
4	Nacre-like GNP/Epoxy composites: Reinforcement efficiency vis-Ã-vis graphene content. Composites Science and Technology, 2021, 211, 108873.	3.8	18
5	Photonic bandgap influence on the SERS effect in metal-dielectric colloidal crystals optical fiber probe. Sensors and Actuators B: Chemical, 2021, 345, 130149.	4.0	17
6	Label-free detection of vitamin D by optical biosensing based on long period fiber grating. Sensors and Actuators B: Chemical, 2021, 347, 130637.	4.0	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. IEEE Sensors Journal, 2020, 20, 234-241.	2.4	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. Materials, 2020, 13, 4710.	1.3	22
12	Relative Humidity Sensor Based on Tip of Multimode Optical Fiber Integrated with Photonic Crystal of Hydrogel Coated Polystyrene Nanoparticles. Lecture Notes in Electrical Engineering, 2020, , 403-408.	0.3	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. Polymer Engineering and Science, 2019, 59, 2443-2448.	1.5	1
15	Fiber Optic Probe Based on Self-Assembled Photonic Crystal for Relative Humidity Sensing. Journal of Lightwave Technology, 2019, 37, 4610-4618.	2.7	20
16	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
17	Load transfer in high content graphite nanoplateles composites. AIP Conference Proceedings, 2019, , .	0.3	2
18	Metallic-Dielectric colloidal photonic crystal on the multimode optical fiber tip: preliminary results as optical fiber SERS probe. , 2019, , .		1

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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.	1.6	18
23	Label-free optical biosensing at femtomolar detection limit. Sensors and Actuators B: Chemical, 2018, 255, 1097-1104.	4.0	19
24	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
25	Nacre-like composites made by graphite nanoplatelets. AIP Conference Proceedings, 2018, , .	0.3	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 fiberâ€reinforced composites manufactured by pulse infusion. Polymer Composites, 2017, 38, 2254-2260.	2.3	4
29	Thermally activated multiple selfâ€healing dielsâ€alder epoxy system. Polymer Engineering and Science, 2017, 57, 674-679.	1.5	42
30	Self-Assembled Colloidal Photonic Crystal on the Fiber Optic Tip as a Sensing Probe. IEEE Photonics Journal, 2017, 9, 1-11.	1.0	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.	0.3	7
32	Label-free fiber optic optrode for the detection of class C Î²-lactamases expressed by drug resistant bacteria. Biomedical Optics Express, 2017, 8, 5191.	1.5	25
33	Insight on mendable resin made by combining Diels-Alder epoxy adducts with DGEBA. AIP Conference Proceedings, 2016, , .	0.3	6
34	A simplified approach to model damping behaviour of interleaved carbon fibre laminates. Composites Part B: Engineering, 2016, 97, 103-110.	5.9	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.	4.0	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.	3.8	22

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37	Embedded fiber Bragg grating sensors for true temperature monitoring in Nb3Sn 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.	1.1	26
39	Long period fiber grating nano-optrode for cancer biomarker detection. Biosensors and Bioelectronics, 2016, 80, 590-600.	5.3	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.	1.7	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.	5.9	56
48	Fabrication and characterization of metal-core carbon-shell nanoparticles filling an aeronautical composite matrix. European Polymer Journal, 2015, 71, 140-151.	2.6	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. Materials, 2014, 7, 3251-3261.	1.3	9
56	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
57	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
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. Journal of Physical Chemistry C, 2014, 118, 27301-27307.	1.5	24
62	Probing the the Glass Transition of Atactic Polystyrene Thin Films Using Fiber Optic Refractometry. Macromolecular Symposia, 2014, 338, 90-95.	0.4	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 TiO2-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. Proceedings of SPIE, 2014, , .	0.8	5
67	A new cost-saving vacuum infusion process for fiber-reinforced composites: Pulsed infusion. Journal of Composite Materials, 2014, 48, 1365-1373.	1.2	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. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	41
70	Simulating the Response of Composite Plates to Fire. Applied Composite Materials, 2014, 21, 511-524.	1.3	8
71	Caseins and hydrophobins as novel green flame retardants for cotton fabrics. Polymer Degradation and Stability, 2014, 99, 111-117.	2.7	218
72	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

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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 “OPTObacteria” project. , 2014, , .		2
77	Radiation tolerant humidity sensors based on nano-scale TiO<inf>2</inf>-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.	3.8	28
79	Effect of sepiolite filler on mechanical behaviour of a bisphenol A-based epoxy system. Composites Part B: Engineering, 2014, 67, 400-409.	5.9	30
80	Miniaturized Sensing Probes Based on Metallic Dielectric Crystals Self-Assembled on Optical Fiber Tips. ACS Photonics, 2014, 1, 917-927.	3.2	72
81	Nanoscale TiO_2-coated LPGs as radiation-tolerant humidity sensors for high-energy physics applications. Optics Letters, 2014, 39, 4128.	1.7	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.	3.8	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.	4.0	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.	2.2	4
87	Human gingival fibroblast functions are stimulated by oxidized nano-structured titanium surfaces. Journal of Dentistry, 2013, 41, 900-907.	1.7	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.	4.0	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. European Polymer Journal, 2013, 49, 428-438.	2.6	90
92	Fiber Bragg Grating sensors to measure the coefficient of thermal expansion of polymers at cryogenic temperatures. Sensors and Actuators A: Physical, 2013, 189, 195-203.	2.0	54
93	Porphyrin coated fiber optic probes for acid vapor detection. Proceedings of SPIE, 2013, , .	0.8	1
94	Ultrasensitive nanoprobes based on metallo-dielectric crystals integrated onto optical fiber tips using the breath figures technique. Proceedings of SPIE, 2013, , .	0.8	2
95	C-4 Gem-Dimethylated Oleanes of Gymnema sylvestre and Their Pharmacological Activities. Molecules, 2013, 18, 14892-14919.	1.7	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. EXPRESS Polymer Letters, 2012, 6, 520-531.	1.1	39
98	Thermal decomposition and fire behavior of glass fiberâ€“reinforced polyester resin composites containing phosphate-based fire-retardant additives. Journal of Fire Sciences, 2012, 30, 318-330.	0.9	27
99	Lab on fiber using self assembly technique: a preliminary study. Proceedings of SPIE, 2012, , .	0.8	2
100	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
101	Long-Term Temperature Monitoring in CMS Using Fiber Optic Sensors. IEEE Sensors Journal, 2012, 12, 3392-3398.	2.4	11
102	A calibration method based on look-up-table for cryogenic temperature fiber Bragg grating sensors. Proceedings of SPIE, 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. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1441-1447.	3.8	29
105	One Year of FOS Measurements in CMS Experiment at CERN. Physics Procedia, 2012, 37, 79-84.	1.2	9
106	Fire behavior and smoke emission of phosphateâ€“based inorganic fireâ€retarded polyester resin. Fire and Materials, 2012, 36, 203-215.	0.9	61
107	Bone marrow mesenchymal stem cell response to nanoâ€structured oxidized and turned titanium surfaces. Clinical Oral Implants Research, 2012, 23, 733-740.	1.9	28
108	A stiffness volume averaging based approach to model non-crimp fabric reinforced composites. Composites Science and Technology, 2012, 72, 360-369.	3.8	11

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109	Quantitative optical analysis of filler dispersion degree in MWCNTâ€“epoxy nanocomposite. Composites Science and Technology, 2012, 72, 477-481.	3.8	34
110	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
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. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1663-1672.	3.8	12
113	Transition mode long period grating biosensor with functional multilayer coatings. Optics Express, 2011, 19, 512.	1.7	54
114	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
115	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
116	Fiber optic humidity sensors for high-energy physics applications at CERN. Sensors and Actuators B: Chemical, 2011, 159, 66-74.	4.0	46
117	Method of quantitative analysis of filler dispersion in composite systems with spherical inclusions. Composites Science and Technology, 2011, 71, 1543-1549.	3.8	50
118	Combined electrical and rheological properties of shear induced multiwall carbon nanotube agglomerates in epoxy suspensions. European Polymer Journal, 2011, 47, 2069-2077.	2.6	59
119	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
120	Zincâ€based compounds as smoke suppressant agents for an aerospace epoxy matrix. Polymer International, 2011, 60, 304-311.	1.6	33
121	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
122	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
123	Resonant hydrophones based on coated fiber Bragg gratings. Part II: experimental analysis. Proceedings of SPIE, 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. Soft Materials, 2011, 9, 238-263.	0.8	7
125	Radiation hard humidity sensors for high energy physics applications using polymide-coated Fiber Bragg Gratings sensors. , 2011, , .		1
126	Permeability characterization of stitched carbon fiber preforms by fiber optic sensors. EXPRESS Polymer Letters, 2011, 5, 1075-1084.	1.1	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.	1.1	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.	0.7	9
132	Reinforcement efficiency of multi-walled carbon nanotube/epoxy nano composites. Composites Science and Technology, 2010, 70, 1154-1160.	3.8	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.	1.2	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 nanotubesâˆ•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.	2.1	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.	0.9	4
143	SWCNT nano-composite optical sensors for VOC and gas trace detection. Sensors and Actuators B: Chemical, 2009, 138, 351-361.	4.0	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.	2.7	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.	5.4	25
146	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
147	Long period grating working in transition mode as promising technological platform for label-free biosensing. Optics Express, 2009, 17, 20039.	1.7	65
148	Underwater Acoustic Sensors Based on Fiber Bragg Gratings. Sensors, 2009, 9, 4446-4454.	2.1	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.	1.1	40
151	Fiber-Optic Near-Field Chemical Sensors Based on Wavelength Scale Tin Dioxide Particle Layers. Journal of Lightwave Technology, 2008, 26, 3468-3475.	2.7	4
152	Spectral behavior of thin film coated cascaded tapered long period gratings in multiple configurations. Optics Express, 2008, 16, 9765.	1.7	38
153	Fiber Bragg Gratings Evanescent Wave Sensors: A View Back and Recent Advancements. Lecture Notes in Electrical Engineering, 2008, , 113-152.	0.3	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.	2.4	28
158	MULTISCALE MODELING OF HYBRID STRUCTURAL COMPOSITES WITH INTEGRATED DAMPING FEATURES. AIP Conference Proceedings, 2008, , .	0.3	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.	0.6	5
160	Integrated Development of Chemoptical Fiber Nanosensors. Current Analytical Chemistry, 2008, 4, 296-315.	0.6	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 2 -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 2 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.	0.4	40
174	Near field behavior of SnO_2 particle-layer deposited on standard optical fiber by electrostatic spray pyrolysis method. Optics Express, 2007, 15, 5136.	1.7	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.	2.4	21
177	Carbon Nanotubes Coated Acoustic and Optical VOCs Sensors: Towards the Tailoring of the Sensing Performances. IEEE Nanotechnology Magazine, 2007, 6, 601-612.	1.1	20
178	Fiber Bragg Grating and Magnetic Shape Memory Alloy: Novel High-Sensitivity Magnetic Sensor. IEEE Sensors Journal, 2007, 7, 228-229.	2.4	13
179	Sensitivity Characteristics Tuning in Tapered Long-Period Gratings by Nanocoatings. IEEE Photonics Technology Letters, 2007, 19, 1517-1519.	1.3	9
180	A Fiber-Optic Bragg Grating Seismic Sensor. IEEE Photonics Technology Letters, 2007, 19, 1991-1993.	1.3	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.	0.3	4
183	Electrical resistivity study and characterization during NiTi phase transformations. Thermochimica Acta, 2007, 462, 64-69.	1.2	67
184	Micro-structured fiber Bragg gratings. Part I: Spectral characteristics. Optical Fiber Technology, 2007, 13, 281-290.	1.4	25
185	Modal analysis and damage detection by Fiber Bragg grating sensors. Sensors and Actuators A: Physical, 2007, 133, 415-424.	2.0	41
186	Micro-structured fiber Bragg gratings. Part II: Towards advanced photonic devices. Optical Fiber Technology, 2007, 13, 291-301.	1.4	25
187	Nano-Scale High Refractive Index Coated Thinned FBGs for Sensing Applications. , 2006, , TuE10.		2
188	Plastic Coated Fiber Bragg Gratings As High Sensitivity Hydrophones. , 2006, , .		7
189	Acoustic and Optical VOCs Sensors Incorporating Carbon Nanotubes. IEEE Sensors Journal, 2006, 6, 867-875.	2.4	31
190	Novel Optochemical Sensors Based on Hollow Fibers and Single Walled Carbon Nanotubes. IEEE Photonics Technology Letters, 2006, 18, 2431-2433.	1.3	16
191	Experimental modal analysis of an aircraft model wing by embedded fiber Bragg grating sensors. IEEE Sensors Journal, 2006, 6, 67-77.	2.4	81
192	Optical Fiber Sensors coated with Carbon Nanotubes, Tin Dioxide and Nanoporous Polymers for Cryogenic Detection of Hydrogen. , 2006, , .		0
193	Cure-induced residual strain build-up in a thermoset resin. Composites Part A: Applied Science and Manufacturing, 2006, 37, 592-601.	3.8	62
194	Mode transition in high refractive index coated long period gratings. Optics Express, 2006, 14, 19.	1.7	249
195	Coated long-period fiber gratings as high-sensitivity optochemical sensors. Journal of Lightwave Technology, 2006, 24, 1776-1786.	2.7	91
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