

Kin Tak Lau

List of Publications by Year in descending order

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162
papers

12,498
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29994

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108
g-index

168
all docs

168
docs citations

168
times ranked

12612
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical treatments on plant-based natural fibre reinforced polymer composites: An overview. Composites Part B: Engineering, 2012, 43, 2883-2892.	5.9	1,192
2	Polymer membranes for high temperature proton exchange membrane fuel cell: Recent advances and challenges. Progress in Polymer Science, 2011, 36, 813-843.	11.8	796
3	Natural fibre-reinforced composites for bioengineering and environmental engineering applications. Composites Part B: Engineering, 2009, 40, 655-663.	5.9	595
4	In-situ synthesis and characterization of electrically conductive polypyrrole/graphene nanocomposites. Polymer, 2010, 51, 5921-5928.	1.8	464
5	Critical factors on manufacturing processes of natural fibre composites. Composites Part B: Engineering, 2012, 43, 3549-3562.	5.9	452
6	A critical review on nanotube and nanotube/nanoclay related polymer composite materials. Composites Part B: Engineering, 2006, 37, 425-436.	5.9	440
7	A critical review on polymer-based bio-engineered materials for scaffold development. Composites Part B: Engineering, 2007, 38, 291-300.	5.9	431
8	Effects of chemical treatments on hemp fibre structure. Applied Surface Science, 2013, 276, 13-23.	3.1	270
9	Mechanical and thermal properties of chicken feather fiber/PLA green composites. Composites Part B: Engineering, 2009, 40, 650-654.	5.9	256
10	Polylactic acid (PLA) biocomposites reinforced with coir fibres: Evaluation of mechanical performance and multifunctional properties. Composites Part A: Applied Science and Manufacturing, 2014, 63, 76-84.	3.8	248
11	Effectiveness of using carbon nanotubes as nano-reinforcements for advanced composite structures. Carbon, 2002, 40, 1605-1606.	5.4	240
12	Thermal and mechanical properties of single-walled carbon nanotube bundle-reinforced epoxy nanocomposites: the role of solvent for nanotube dispersion. Composites Science and Technology, 2005, 65, 719-725.	3.8	238
13	Effects of alkali treatment and elevated temperature on the mechanical properties of bamboo fibre-polyester composites. Composites Part B: Engineering, 2015, 80, 73-83.	5.9	200
14	Improvement on the properties of polylactic acid (PLA) using bamboo charcoal particles. Composites Part B: Engineering, 2015, 81, 14-25.	5.9	190
15	Interfacial bonding characteristics of nanotube/polymer composites. Chemical Physics Letters, 2003, 370, 399-405.	1.2	189
16	Mechanism of reinforcement in a nanoclay/polymer composite. Composites Part B: Engineering, 2011, 42, 1708-1712.	5.9	180
17	On the effective elastic moduli of carbon nanotubes for nanocomposite structures. Composites Part B: Engineering, 2004, 35, 95-101.	5.9	177
18	A potential material for tissue engineering: Silkworm silk/PLA biocomposite. Composites Part B: Engineering, 2008, 39, 1026-1033.	5.9	175

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19	Mechanical properties of chemically-treated hemp fibre reinforced sandwich composites. <i>Composites Part B: Engineering</i> , 2012, 43, 159-169.	5.9	171
20	Strain monitoring in FRP laminates and concrete beams using FBG sensors. <i>Composite Structures</i> , 2001, 51, 9-20.	3.1	166
21	Mechanical properties of epoxy-based composites using nanoclays. <i>Composite Structures</i> , 2006, 75, 415-421.	3.1	162
22	Effectiveness of using fibre-reinforced polymer composites for underwater steel pipeline repairs. <i>Composite Structures</i> , 2013, 100, 40-54.	3.1	160
23	Coiled carbon nanotubes: Synthesis and their potential applications in advanced composite structures. <i>Composites Part B: Engineering</i> , 2006, 37, 437-448.	5.9	152
24	Poly(lactic acid (PLA)/halloysite nanotube (HNT) composite mats: Influence of HNT content and modification. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 28-36.	3.8	148
25	Electrochemical performance of a graphene/polypyrrole nanocomposite as a supercapacitor electrode. <i>Nanotechnology</i> , 2011, 22, 295202.	1.3	146
26	Use of FBG Sensors for SHM in Aerospace Structures. <i>Photonic Sensors</i> , 2012, 2, 203-214.	2.5	138
27	Effect of ultrasound sonication in nanoclay clusters of nanoclay/epoxy composites. <i>Materials Letters</i> , 2005, 59, 1369-1372.	1.3	128
28	Tensile properties of chemically treated hemp fibres as reinforcement for composites. <i>Composites Part B: Engineering</i> , 2013, 53, 362-368.	5.9	123
29	Effects of processing conditions of poly(methylmethacrylate) encapsulated liquid curing agent on the properties of self-healing composites. <i>Composites Part B: Engineering</i> , 2013, 49, 6-15.	5.9	122
30	Cluster size effect in hardness of nanoclay/epoxy composites. <i>Composites Part B: Engineering</i> , 2005, 36, 263-269.	5.9	120
31	Sliding wear performance of nano-SiO ₂ /short carbon fiber/epoxy hybrid composites. <i>Wear</i> , 2009, 266, 658-665.	1.5	119
32	Potentiality of utilising natural textile materials for engineering composites applications. <i>Materials & Design</i> , 2014, 59, 359-368.	5.1	107
33	Failure mechanisms of carbon nanotube/epoxy composites pretreated in different temperature environments. <i>Carbon</i> , 2002, 40, 2965-2968.	5.4	98
34	A critical review on the manufacturing processes in relation to the properties of nanoclay/polymer composites. <i>Journal of Composite Materials</i> , 2013, 47, 1093-1115.	1.2	95
35	A critical review on multifunctional composites as structural capacitors for energy storage. <i>Composite Structures</i> , 2018, 188, 126-142.	3.1	89
36	Mechanical properties of epoxy-based composites using coiled carbon nanotubes. <i>Composites Science and Technology</i> , 2008, 68, 2876-2881.	3.8	86

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37	Stretching process of single- and multi-walled carbon nanotubes for nanocomposite applications. Carbon, 2004, 42, 426-428.	5.4	84
38	Micro-crack behavior of carbon fiber reinforced thermoplastic modified epoxy composites for cryogenic applications. Composites Part B: Engineering, 2013, 44, 533-539.	5.9	84
39	Mechanics of bonds in an FRP bonded concrete beam. Composites Part B: Engineering, 2001, 32, 491-502.	5.9	77
40	Imparting Ultra-Low Friction and Wear Rate to Epoxy by the Incorporation of Microencapsulated Lubricant?. Macromolecular Materials and Engineering, 2009, 294, 20-24.	1.7	76
41	Interfacial bonding characteristic of nanoclay/polymer composites. Applied Surface Science, 2011, 258, 860-864.	3.1	75
42	An overview of mechanical properties and durability of glass-fibre reinforced recycled mixed plastic waste composites. Materials & Design, 2014, 62, 98-112.	5.1	75
43	Biodegradation of a silkworm silk/PLA composite. Composites Part B: Engineering, 2010, 41, 223-228.	5.9	72
44	Synthesis of zirconia nanoparticles on carbon nanotubes and their potential for enhancing the fracture toughness of alumina ceramics. Composites Part B: Engineering, 2008, 39, 1136-1141.	5.9	69
45	Nanodiamond/poly (lactic acid) nanocomposites: Effect of nanodiamond on structure and properties of poly (lactic acid). Composites Part B: Engineering, 2010, 41, 646-653.	5.9	69
46	Micro-mechanical properties and morphological observation on fracture surfaces of carbon nanotube composites pre-treated at different temperatures. Composites Science and Technology, 2003, 63, 1161-1164.	3.8	68
47	Improved mechanical properties of coiled carbon nanotubes reinforced epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1837-1840.	3.8	67
48	Reinforcement of polypropylene with hemp fibres. Composites Part B: Engineering, 2013, 46, 221-226.	5.9	65
49	Silkworm silk/poly(lactic acid) biocomposites: Dynamic mechanical, thermal and biodegradable properties. Polymer Degradation and Stability, 2010, 95, 1978-1987.	2.7	64
50	Optimization of tribological and mechanical properties of epoxy through hybrid filling. Wear, 2010, 269, 13-20.	1.5	64
51	Control of natural frequencies of a clamped-clamped composite beam with embedded shape memory alloy wires. Composite Structures, 2002, 58, 39-47.	3.1	62
52	Characteristics of a silk fibre reinforced biodegradable plastic. Composites Part B: Engineering, 2011, 42, 117-122.	5.9	62
53	Determination of dynamic strain profile and delamination detection of composite structures using embedded multiplexed fibre-optic sensors. Composite Structures, 2004, 66, 317-326.	3.1	59
54	Characterisation of mechanical and thermal properties of epoxy grouts for composite repair of steel pipelines. Materials & Design, 2013, 52, 315-327.	5.1	59

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55	Localized elastic modulus distribution of nanoclay/epoxy composites by using nanoindentation. <i>Composite Structures</i> , 2006, 75, 553-558.	3.1	57
56	Interfacial bonding and degumming effects on silk fibre/polymer biocomposites. <i>Composites Part B: Engineering</i> , 2012, 43, 2801-2812.	5.9	57
57	On polyethylene- <i>polyaniline</i> composites. <i>Composites Part B: Engineering</i> , 2003, 34, 637-645.	5.9	54
58	Viability of using an embedded FBG sensor in a composite structure for dynamic strain measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2006, 39, 328-334.	2.5	54
59	Acousto-ultrasonic sensing for delaminated GFRP composites using an embedded FBG sensor. <i>Optics and Lasers in Engineering</i> , 2009, 47, 1049-1055.	2.0	53
60	Effect of degumming time on silkworm silk fibre for biodegradable polymer composites. <i>Applied Surface Science</i> , 2012, 258, 3948-3955.	3.1	53
61	Micro-hardness and Flexural Properties of Randomly-oriented Carbon Nanotube Composites. <i>Journal of Composite Materials</i> , 2003, 37, 365-376.	1.2	51
62	Design of pull-out stresses for prestrained SMA wire/polymer hybrid composites. <i>Composites Part B: Engineering</i> , 2005, 36, 25-31.	5.9	51
63	Embedded fibre Bragg grating sensors for non-uniform strain sensing in composite structures. <i>Measurement Science and Technology</i> , 2005, 16, 2415-2424.	1.4	49
64	Tetracycline hydrochloride (TCH)-loaded drug carrier based on PLA:PCL nanofibre mats: experimental characterisation and release kinetics modelling. <i>Journal of Materials Science</i> , 2014, 49, 6270-6281.	1.7	49
65	Additive Manufacturing of Epoxy Resins: Materials, Methods, and Latest Trends. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6375-6390.	1.8	49
66	Low velocity impact on shape memory alloy stitched composite plates. <i>Smart Materials and Structures</i> , 2004, 13, 364-370.	1.8	48
67	Preparation and characterization of a nano apatite/polyamide6 bioactive composite. <i>Composites Part B: Engineering</i> , 2007, 38, 301-305.	5.9	47
68	Characterization of dynamic strain measurement using reflection spectrum from a fiber Bragg grating. <i>Optics Communications</i> , 2007, 270, 25-30.	1.0	47
69	Impact source identification in a carbon fiber reinforced polymer plate by using embedded fiber optic acoustic emission sensors. <i>Composites Part B: Engineering</i> , 2014, 66, 420-429.	5.9	46
70	Study on the Mechanical Properties of Different Silkworm Silk Fibers. <i>Journal of Composite Materials</i> , 2009, 43, 2521-2531.	1.2	43
71	Structural health monitoring for smart composites using embedded FBG sensor technology. <i>Materials Science and Technology</i> , 2014, 30, 1642-1654.	0.8	41
72	Formation and Growth Mechanism of Dissimilar Coiled Carbon Nanotubes by Reduced-Pressure Catalytic Chemical Vapor Deposition. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6186-6192.	1.2	40

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73	Fibre optic sensors for delamination identification in composite beams using a genetic algorithm. <i>Smart Materials and Structures</i> , 2005, 14, 287-295.	1.8	40
74	Characterisation of recycled mixed plastic solid wastes: Coupon and full-scale investigation. <i>Waste Management</i> , 2016, 48, 72-80.	3.7	39
75	Strain monitoring of RC members strengthened with smart NSM FRP bars. <i>Construction and Building Materials</i> , 2009, 23, 1698-1711.	3.2	38
76	Correlation of mechanical performance and morphological structures of epoxy micro/nanoparticulate composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1483-1492.	3.8	38
77	UV resistibility of a nano-ZnO/glass fibre reinforced epoxy composite. <i>Materials & Design</i> , 2014, 56, 254-257.	5.1	37
78	Preparation and study of polypropylene/polyethylene terephthalate composite fibres. <i>Composites Science and Technology</i> , 2008, 68, 2943-2947.	3.8	36
79	Multi-response analysis in the material characterisation of electrospun poly (lactic acid)/halloysite nanotube composite fibres based on Taguchi design of experiments: fibre diameter, non-intercalation and nucleation effects. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 747-757.	1.1	36
80	Property enhancement of polymer-based composites at cryogenic environment by using tailored carbon nanotubes. <i>Composites Part B: Engineering</i> , 2013, 54, 41-43.	5.9	35
81	The mechanical behaviour of composite-wrapped concrete cylinders subjected to uniaxial compression load. <i>Composite Structures</i> , 2001, 52, 189-198.	3.1	33
82	Effect of Cu addition on phase transformation of Ti-Ni-Hf high-temperature shape memory alloys. <i>Materials Letters</i> , 2002, 57, 452-456.	1.3	33
83	Carbon Nanotubes for Space and Bio-Engineering Applications. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 23-35.	0.4	33
84	Analyses of woven hemp fabric characteristics for composite reinforcement. <i>Materials & Design</i> , 2015, 66, 82-92.	5.1	33
85	Computational Investigation of MgH ₂ /Graphene Heterojunctions for Hydrogen Storage. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2357-2363.	1.5	33
86	Fabrication and mechanical properties of exfoliated clay-CNTs/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 490, 481-487.	2.6	32
87	Design of an impact resistant glass fibre/epoxy composites using short silk fibres. <i>Materials & Design</i> , 2012, 35, 664-669.	5.1	29
88	Phase transformation and microstructure of quaternary TiNiHfCu high temperature shape memory alloys. <i>Intermetallics</i> , 2005, 13, 197-201.	1.8	28
89	A graphite foam reinforced by graphite particles. <i>Carbon</i> , 2007, 45, 2547-2550.	5.4	25
90	Sonication effect on the mechanical properties of MWCNTs reinforced natural rubber. <i>Journal of Composite Materials</i> , 2013, 47, 579-585.	1.2	25

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91	Tribological behavior of nanoclay/epoxy composites. <i>Materials Letters</i> , 2007, 61, 3863-3866.	1.3	24
92	The potential use of electrospun polylactic acid nanofibers as alternative reinforcements in an epoxy composite system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 618-623.	2.4	23
93	Multi-point strain measurement of composite-bonded concrete materials with a RF-band FMCW multiplexed FBG sensor array. <i>Sensors and Actuators A: Physical</i> , 2000, 87, 19-25.	2.0	22
94	Morphological study on twisted NiTi wires for smart composite systems. <i>Materials Letters</i> , 2002, 57, 364-368.	1.3	22
95	Electrochemical performance of a graphene-polypyrrole nanocomposite as a supercapacitor electrode. <i>Nanotechnology</i> , 2011, 22, 369502.	1.3	22
96	Efficiency of genetic algorithms and artificial neural networks for evaluating delamination in composite structures using fibre Bragg grating sensors. <i>Smart Materials and Structures</i> , 2005, 14, 1541-1553.	1.8	21
97	Fabrication and properties of clay-supported carbon nanotube/poly (vinyl alcohol) nanocomposites. <i>Polymer Composites</i> , 2009, 30, 702-707.	2.3	21
98	Biocomposites: Their multifunctionality. <i>International Journal of Smart and Nano Materials</i> , 2010, 1, 13-27.	2.0	21
99	Extraction and processing of real time strain of embedded FBG sensors using a fixed filter FBG circuit and an artificial neural network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 4045-4051.	2.5	21
100	Analysis of heat-treated bovine cortical bone by thermal gravimetric and nanoindentation. <i>Composites Part B: Engineering</i> , 2013, 55, 447-452.	5.9	21
101	Impact location determination on thin laminated composite plates using an NIR-FBG sensor system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 61, 51-57.	2.5	21
102	Effect of silk fiber to the mechanical and thermal properties of its biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2389-2396.	1.3	20
103	Coiled carbon nanotubes growth and DSC study in epoxy-based composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 339-343.	2.3	19
104	Enhancement of Vicker's hardness of nanoclay-supported nanotube reinforced novel polymer composites. <i>Carbon</i> , 2006, 44, 383-386.	5.4	19
105	Effects of embedded optical fibre on mode II fracture behaviours of woven composite laminates. <i>Composites Part B: Engineering</i> , 2005, 36, 534-543.	5.9	18
106	Title is missing!. <i>Applied Composite Materials</i> , 2002, 9, 221-247.	1.3	17
107	Utilization of embedded optical fibre sensors for delamination characterization in composite laminates using a static strain method. <i>Smart Materials and Structures</i> , 2005, 14, 1377-1386.	1.8	15
108	Monitoring mode II fracture behaviour of composite laminates using embedded fiber-optic sensors. <i>Composites Part B: Engineering</i> , 2007, 38, 488-497.	5.9	15

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109	Electromechanical stability of compressible dielectric elastomer actuators. <i>Smart Materials and Structures</i> , 2011, 20, 115015.	1.8	15
110	Enhancement of impact resistance of biodegradable polymer using bamboo charcoal particles. <i>Materials Letters</i> , 2014, 136, 122-125.	1.3	15
111	Degradation of nano-ZnO particles filled styrene-based and epoxy-based SMPs under UVA exposure. <i>Composite Structures</i> , 2015, 132, 1056-1064.	3.1	15
112	Cobalt hydroxide colloidal particles precipitation on nanoclay layers for the formation of novel nanocomposites of carbon nanotubes/nanoclay. <i>Composites Science and Technology</i> , 2006, 66, 450-458.	3.8	14
113	Composite panels for reducing noise in air conditioning and ventilation systems. <i>Composites Part B: Engineering</i> , 2009, 40, 259-266.	5.9	14
114	Characterization of crosstalk of a TDM FBG sensor array using a laser source. <i>Optics and Laser Technology</i> , 2001, 33, 299-304.	2.2	13
115	Thermal effects on an embedded grating sensor in an FRP structure. <i>Smart Materials and Structures</i> , 2001, 10, 705-712.	1.8	13
116	Extraction of mechanical properties of foot plantar tissues using ultrasound indentation associated with genetic algorithm. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1579-1586.	1.7	11
117	Effect of surface treatment with potassium persulfate on dispersion stability of multi-walled carbon nanotubes. <i>Materials Letters</i> , 2010, 64, 718-721.	1.3	11
118	Heat absorbability of single-walled, coiled and bamboo nanotube/epoxy nano-composites. <i>Journal of Materials Science</i> , 2004, 39, 5861-5863.	1.7	10
119	Fibre-optic sensors and smart composites for concrete applications. <i>Magazine of Concrete Research</i> , 2003, 55, 19-34.	0.9	10
120	The temperature characteristic of fiber-optic pre-embedded concrete bar sensor. <i>Sensors and Actuators A: Physical</i> , 2001, 93, 206-213.	2.0	9
121	Novel nanocomposite of carbon nanotube/nanoclay by direct growth of nanotubes on nanoclay surface. <i>Journal of Materials Science</i> , 2005, 40, 3545-3548.	1.7	9
122	A Shape Memory Alloy Energy Absorber for Backpack Design. <i>Materials and Manufacturing Processes</i> , 2010, 25, 281-286.	2.7	9
123	Microscopical Observation of the Marine Bacterium <i>Vibrio Natriegeus</i> Growth on Metallic Corrosion. <i>Materials and Manufacturing Processes</i> , 2010, 25, 293-297.	2.7	9
124	Development of composite plate for compact silencer design. <i>Journal of Sound and Vibration</i> , 2012, 331, 2348-2364.	2.1	9
125	Structural health monitoring of an asymmetrical SMA reinforced composite using embedded FBG sensors. <i>Smart Materials and Structures</i> , 2013, 22, 125015.	1.8	9
126	Computational Investigation of MgH_2/NbO_x for Hydrogen Storage. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8862-8868.	1.5	9

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127	Effect of thermally induced strain on optical fiber sensors embedded in cement-based composites. <i>Optical Fiber Technology</i> , 2003, 9, 95-106.	1.4	8
128	Luminescent and mechanical properties of the epoxy composites doped with europium complex. <i>Materials Letters</i> , 2008, 62, 4434-4436.	1.3	8
129	Optimization Effect of Micro Hardness by Nanoclay Clusters in Nanoclay/Epoxy Composites. <i>Journal of Thermoplastic Composite Materials</i> , 2009, 22, 213-225.	2.6	8
130	Mode II fracture behaviour monitoring for composite laminates using embedded fibre Bragg grating sensors. <i>Composite Structures</i> , 2006, 76, 88-93.	3.1	7
131	Feasibility of using ZnO/epoxy filled hollowed glass fibres (HGFs) for UV resistant polymer composites. <i>Materials Letters</i> , 2014, 128, 220-223.	1.3	7
132	Tailoring specific properties of polymer-based composites by using graphene and its associated compounds. <i>International Journal of Smart and Nano Materials</i> , 2020, 11, 173-189.	2.0	7
133	Measurement of Bovine Bone Properties through Surface Indentation Technique. <i>Materials and Manufacturing Processes</i> , 2010, 25, 324-328.	2.7	6
134	Monitoring of deployment process of shape memory polymers for morphing structures with embedded fibre Bragg grating sensors. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 1224-1232.	1.4	6
135	Formation of carbon nanotubes in silicon-coated alumina nanoreactor. <i>Carbon</i> , 2004, 42, 1846-1849.	5.4	5
136	Smart Composite Materials: Selected Papers from the International Conference on Multifunctional Materials and Structures (MFMS 08) (Hong Kong, 28-31 July 2008). <i>Smart Materials and Structures</i> , 2009, 18, 070201.	1.8	5
137	Preface: Special Issue of <i>Materials and Manufacturing Processes: Sensors, Actuators, and Intelligent Processing</i> . <i>Materials and Manufacturing Processes</i> , 2010, 25, 211-211.	2.7	4
138	Effect of Hemp Fibre Surface Treatment on the Fibre-Matrix Interface and the Influence of Cellulose, Hemicellulose, and Lignin Contents on Composite Strength Properties. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-17.	1.0	4
139	Estimation of strain of distorted FBG sensor spectra using a fixed FBG filter circuit and an artificial neural network. , 2013, , .		3
140	Mechanical Properties of Carbon Nanotubes Composites. <i>Journal of Computational and Theoretical Nanoscience</i> , 2004, 1, 204-215.	0.4	3
141	The Electrochemistry Corrosion Behavior of Fe ₃ Al-Type Intermetallic with Super-Hydrophobic Surfaces. <i>Materials and Manufacturing Processes</i> , 2010, 25, 298-301.	2.7	2
142	A Study on the Dynamic Mechanical Properties of Silk Fibre Composites. <i>Advanced Materials Research</i> , 2011, 410, 106-109.	0.3	2
143	Prediction of Obsolete FBG Sensor Using ANN for Efficient and Robust Operation of SHM Systems. <i>Key Engineering Materials</i> , 0, 558, 546-553.	0.4	2
144	CAE Simulation Based Methodology for Airbag Compliant Vehicle Front Protection System Development. <i>International Journal of Vehicle Structures and Systems</i> , 2014, 5, .	0.1	2

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145	Estimation of stress intensity factor (KI) for an FRP bonded concrete beam using the superposition method. Magazine of Concrete Research, 2001, 53, 31-41.	0.9	2
146	Reaction Injection Molding Process and Fireproof Property of Phenolic Foam Sandwich Panel. Advanced Materials Research, 2011, 410, 341-344.	0.3	1
147	Assessing Heat-Treatment Effects on Bovine Cortical Bones by Nanoindentation. Advanced Materials Research, 2011, 410, 110-113.	0.3	1
148	Nafion-Peptized Laponite Clay Nanocomposite Membrane for PEMFC. Advanced Materials Research, 0, 410, 148-151.	0.3	1
149	NIR fibre Bragg grating as dynamic sensor: an application of 1D digital wavelet analysis for signal denoising. Proceedings of SPIE, 2013, , .	0.8	1
150	Cure shrinkage in epoxy grouts for grouted repairs. Proceedings of SPIE, 2013, , .	0.8	1
151	Fiber optic extensometer for concrete deformation measurements. Review of Scientific Instruments, 2002, 73, 2469-2474.	0.6	0
152	Creative design of assistive products for the elderly. , 2007, , .		0
153	The Influence of the Marine Bacterium <i>Vibrio Natriegens</i> Growth on Metallic Corrosion as Studied by Microscope Technologies. Advanced Materials Research, 2008, 47-50, 169-172.	0.3	0
154	Preface: Special Issue of Materials and Manufacturing Processes: "Surface Engineering" Materials and Manufacturing Processes, 2010, 25, 287-287.	2.7	0
155	Duct Noise Control by Using Very Light Composite Plate. Advanced Materials Research, 0, 410, 361-365.	0.3	0
156	Interfacial Bonding in a Nanoclay/Polymer Composite. Advanced Materials Research, 2011, 410, 156-159.	0.3	0
157	Europium Complex with Functionalized Carbon Nanotubes: A New Lanthanide Photoluminescence Nanomaterial. Advanced Materials Research, 2011, 410, 129-132.	0.3	0
158	Non-velocity-based analysis of passive ultrasonic signal for source location detection in composite plates: a pilot study. , 2012, , .		0
159	Non-velocity Based Analysis of Passive Ultrasonic Signal for Source Location Detection in Composite Plates: A Pilot Study. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012008.	0.3	0
160	Smart structure for small wind turbine blade. Proceedings of SPIE, 2013, , .	0.8	0
161	Indexing damage using distortion of embedded FBC sensor response spectra. , 2013, , .		0
162	Embedded fibre optic sensors under multi-axial loading: a pilot study. , 2013, , .		0