

# Costas Galiotis

## List of Publications by Year in descending order

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249  
papers

18,630  
citations

34105

52  
h-index

12946

131  
g-index

255  
all docs

255  
docs citations

255  
times ranked

22674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioink with cartilage-derived extracellular matrix microfibers enables spatial control of vascular capillary formation in bioprinted constructs. <i>Biofabrication</i> , 2022, 14, 034104.	7.1	26
2	Whey protein films reinforced with bacterial cellulose nanowhiskers: Improving edible film properties via a circular economy approach. <i>Food Chemistry</i> , 2022, 385, 132604.	8.2	41
3	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. <i>Journal of Hazardous Materials</i> , 2022, 435, 129053.	12.4	16
4	Enhancement of damping response in polymers and composites by the addition of graphene nanoplatelets. <i>Composites Science and Technology</i> , 2022, 227, 109562.	7.8	18
5	Chemical Vapour Deposition Graphene/PMMA Nanolaminates for Flexible Gas Barrier. <i>Membranes</i> , 2022, 12, 611.	3.0	3
6	Impact of prolonged environmental exposure on stress transfer efficiency in poly(p-phenylene) Tj ETQq0 0 0 rgBT/Overlock <sub>2</sub> Tf 50 5	4.6	10
7	Efficient Mechanical Stress Transfer in Multilayer Graphene with a Ladder-like Architecture. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4473-4484.	8.0	9
8	Highly Deformable, Ultrathin Large-Area Poly(methyl methacrylate) Films. <i>ACS Omega</i> , 2021, 6, 8308-8312.	3.5	7
9	Determination of the elastic moduli of CVD graphene by probing graphene/polymer Bragg stacks. <i>2D Materials</i> , 2021, 8, 035040.	4.4	12
10	Multi-functional 2D hybrid aerogels for gas absorption applications. <i>Scientific Reports</i> , 2021, 11, 13548.	3.3	11
11	Real-Time Multiscale Monitoring and Tailoring of Graphene Growth on Liquid Copper. <i>ACS Nano</i> , 2021, 15, 9638-9648.	14.6	28
12	Preventing colour fading in artworks with graphene veils. <i>Nature Nanotechnology</i> , 2021, 16, 1004-1010.	31.5	22
13	Nacre-like GNP/Epoxy composites: Reinforcement efficiency vis-À-vis graphene content. <i>Composites Science and Technology</i> , 2021, 211, 108873.	7.8	18
14	Effective EMI shielding behaviour of thin graphene/PMMA nanolaminates in the THz range. <i>Nature Communications</i> , 2021, 12, 4655.	12.8	84
15	Shape Memory Composite Sandwich Structures with Self-Healing Properties. <i>Polymers</i> , 2021, 13, 3056.	4.5	10
16	In situ kinetic studies of CVD graphene growth by reflection spectroscopy. <i>Chemical Engineering Journal</i> , 2021, 421, 129434.	12.7	10
17	Growth and <i>in situ</i> characterization of 2D materials by chemical vapour deposition on liquid metal catalysts: a review. <i>Nanoscale</i> , 2021, 13, 3346-3373.	5.6	30
18	Multifunctional Cement Mortars Enhanced with Graphene Nanoplatelets and Carbon Nanotubes. <i>Sensors</i> , 2021, 21, 933.	3.8	23

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19	Graphene and related materials in hierarchical fiber composites: Production techniques and key industrial benefits. <i>Composites Science and Technology</i> , 2020, 185, 107848.	7.8	36
20	Fabrication and Electrochemical Properties of Three-Dimensional (3D) Porous Graphitic and Graphenelike Electrodes Obtained by Low-Cost Direct Laser Writing Methods. <i>ACS Omega</i> , 2020, 5, 1540-1548.	3.5	35
21	Improving the damping behavior of fiber-reinforced polymer composites with embedded superelastic shape memory alloys (SMA). <i>Smart Materials and Structures</i> , 2020, 29, 025006.	3.5	16
22	Thermal properties enhancement of epoxy resins by incorporating polybenzimidazole nanofibers filled with graphene and carbon nanotubes as reinforcing material. <i>Polymer Testing</i> , 2020, 82, 106317.	4.8	52
23	Hierarchy of nanoscale graphene wrinkles on compliant substrate: Theory and experiment. <i>Extreme Mechanics Letters</i> , 2020, 40, 100948.	4.1	2
24	Visible Laser Scribing Fabrication of Porous Graphitic Carbon Electrodes: Morphologies, Electrochemical Properties, and Applications as Disposable Sensor Platforms. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3279-3288.	4.3	22
25	Mechanical, Electrical, and Thermal Properties of Carbon Nanotube Buckypapers/Epoxy Nanocomposites Produced by Oxidized and Epoxidized Nanotubes. <i>Materials</i> , 2020, 13, 4308.	2.9	17
26	Thermomechanical Response of Supported Hexagonal Boron Nitride Sheets of Various Thicknesses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12134-12143.	3.1	7
27	Tunable macroscale structural superlubricity in two-layer graphene via strain engineering. <i>Nature Communications</i> , 2020, 11, 1595.	12.8	88
28	Thermomechanical behaviour of hexagonal boron nitride at elevated temperatures. <i>2D Materials</i> , 2020, 7, 045011.	4.4	7
29	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. <i>Chemistry - an Asian Journal</i> , 2020, 15, 995-1013.	3.3	154
30	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	4.4	333
31	Development of a reactor for the <i>in situ</i> monitoring of 2D materials growth on liquid metal catalysts, using synchrotron x-ray scattering, Raman spectroscopy, and optical microscopy. <i>Review of Scientific Instruments</i> , 2020, 91, 013907.	1.3	19
32	Wettability of graphene by molten polymers. <i>Polymer</i> , 2019, 180, 121708.	3.8	14
33	Stress transfer at the nanoscale on graphene ribbons of regular geometry. <i>Nanoscale</i> , 2019, 11, 14354-14361.	5.6	20
34	Effect of Carbon Support on the Electrocatalytic Properties of Pt <sup>0</sup> /Ru Catalysts. <i>ChemElectroChem</i> , 2019, 6, 4970-4979.	3.4	17
35	Effect of Carbon Support on the Electrocatalytic Properties of Pt <sup>0</sup> /Ru Catalysts. <i>ChemElectroChem</i> , 2019, 6, 4921-4921.	3.4	2
36	3-Arm star pyrene-functional PMMAs for efficient exfoliation of graphite in chloroform: fabrication of graphene-reinforced fibrous veils. <i>Nanoscale</i> , 2019, 11, 915-931.	5.6	19

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37	Production and Mechanical Characterization of Graphene Micro-Ribbons. Journal of Composites Science, 2019, 3, 42.	3.0	2
38	Investigation of charges-driven interactions between graphene and different SiO <sub>2</sub> surfaces. Carbon, 2019, 148, 336-343.	10.3	11
39	Mosaic pattern formation in exfoliated graphene by mechanical deformation. Nature Communications, 2019, 10, 1572.	12.8	35
40	Sculpturing graphene wrinkle patterns into compliant substrates. Carbon, 2019, 146, 772-778.	10.3	18
41	Stress-transfer from polymer substrates to monolayer and few-layer graphenes. Nanoscale Advances, 2019, 1, 4972-4980.	4.6	14
42	Load transfer in high content graphite nanoplatelets composites. AIP Conference Proceedings, 2019, , .	0.4	2
43	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. 2D Materials, 2019, 6, 025006.	4.4	68
44	Enhancing the adhesion of graphene to polymer substrates by controlled defect formation. Nanotechnology, 2019, 30, 015704.	2.6	12
45	A novel mild method for surface treatment of carbon fibres in epoxy-matrix composites. Composites Science and Technology, 2018, 157, 178-184.	7.8	28
46	Evaluating arbitrary strain configurations and doping in graphene with Raman spectroscopy. 2D Materials, 2018, 5, 015016.	4.4	95
47	Tailoring viscoelastic response, self-heating and deicing properties of carbon-fiber reinforced epoxy composites by graphene modification. Composites Part A: Applied Science and Manufacturing, 2018, 106, 1-10.	7.6	44
48	Strain Engineering in Highly Wrinkled CVD Graphene/Epoxy Systems. ACS Applied Materials & Interfaces, 2018, 10, 43192-43202.	8.0	14
49	Controllable, eco-friendly, synthesis of highly crystalline 2D-MoS <sub>2</sub> and clarification of the role of growth-induced strain. 2D Materials, 2018, 5, 035035.	4.4	23
50	Compressive response and buckling of graphene nanoribbons. Scientific Reports, 2018, 8, 9593.	3.3	25
51	An Evaluation of Graphene as a Multi-Functional Heating Element for Biomedical Applications. Journal of Biomedical Nanotechnology, 2018, 14, 86-97.	1.1	4
52	Strained hexagonal boron nitride: Phonon shift and Grüneisen parameter. Physical Review B, 2018, 97, .	3.2	51
53	A mechanical system for tensile testing of supported films at the nanoscale. Nanotechnology, 2018, 29, 395707.	2.6	12
54	Non-Eulerian behavior of graphitic materials under compression. Carbon, 2018, 138, 227-233.	10.3	13

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55	Graphene aerogels: a review. <i>2D Materials</i> , 2017, 4, 032001.	4.4	195
56	Graphene: A new activator of sodium persulfate for the advanced oxidation of parabens in water. <i>Water Research</i> , 2017, 126, 111-121.	11.3	123
57	Wrinkled Few-Layer Graphene as Highly Efficient Load Bearer. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26593-26601.	8.0	46
58	Atomistic potential for graphene and other $sp^2$ carbon systems. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30925-30932.	2.8	13
59	Wrinkling formation in simply-supported graphenes under tension and compression loadings. <i>Nanoscale</i> , 2017, 9, 18180-18188.	5.6	31
60	Optical detection of strain and doping inhomogeneities in single layer MoS <sub>2</sub> . <i>Applied Physics Letters</i> , 2016, 108, .	3.3	119
61	Mechanical Stability of Flexible Graphene-Based Displays. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22605-22614.	8.0	56
62	Stress and charge transfer in uniaxially strained CVD graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2355-2361.	1.5	12
63	Graphene flakes under controlled biaxial deformation. <i>Scientific Reports</i> , 2016, 5, 18219.	3.3	84
64	Uniaxial compression of suspended single and multilayer graphenes. <i>2D Materials</i> , 2016, 3, 025033.	4.4	21
65	Molecular Modeling Combined with Advanced Chemistry for the Rational Design of Efficient Graphene Dispersing Agents. <i>ACS Macro Letters</i> , 2016, 5, 24-29.	4.8	21
66	Work Function Tuning of Reduced Graphene Oxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 281-290.	3.1	143
67	Compression behavior of simply-supported and fully embedded monolayer graphene: Theory and experiment. <i>Extreme Mechanics Letters</i> , 2016, 8, 191-200.	4.1	17
68	Electrochemically exfoliated graphene/PEDOT composite films as efficient Pt-free counter electrode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 194, 110-115.	5.2	41
69	Phenomenological multiscale finite element for single layer graphene. <i>Computational Materials Science</i> , 2016, 115, 125-136.	3.0	2
70	Curvature-dependent surface energy for free-standing monolayer graphene. <i>Mathematics and Mechanics of Solids</i> , 2016, 21, 812-825.	2.4	13
71	Phonon properties of graphene derived from molecular dynamics simulations. <i>Scientific Reports</i> , 2015, 5, 12923.	3.3	113
72	Effect of the reduction process on the field emission performance of reduced graphene oxide cathodes. <i>RSC Advances</i> , 2015, 5, 53604-53610.	3.6	11

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73	Experimentally derived axial stress–strain relations for two-dimensional materials such as monolayer graphene. <i>Carbon</i> , 2015, 81, 322-328.	10.3	43
74	Stress Transfer Mechanisms at the Submicron Level for Graphene/Polymer Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4216-4223.	8.0	105
75	Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite. <i>Computational Materials Science</i> , 2015, 99, 164-172.	3.0	11
76	Deformation of Wrinkled Graphene. <i>ACS Nano</i> , 2015, 9, 3917-3925.	14.6	143
77	Graphene resting on substrate: Closed form solutions for the perfect bonding and the delamination case. <i>International Journal of Solids and Structures</i> , 2015, 71, 219-232.	2.7	12
78	Epoxidized multi-walled carbon nanotube buckypapers: A scaffold for polymer nanocomposites with enhanced mechanical properties. <i>Chemical Engineering Journal</i> , 2015, 281, 793-803.	12.7	23
79	Suspended monolayer graphene under true uniaxial deformation. <i>Nanoscale</i> , 2015, 7, 13033-13042.	5.6	52
80	Graphene Mechanics: Current Status and Perspectives. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2015, 6, 121-140.	6.8	76
81	Embedded trilayer graphene flakes under tensile and compressive loading. <i>2D Materials</i> , 2015, 2, 024009.	4.4	24
82	Constitutive modeling of some 2D crystals: Graphene, hexagonal BN, MoS <sub>2</sub> , WSe <sub>2</sub> and NbSe <sub>2</sub> . <i>International Journal of Solids and Structures</i> , 2015, 66, 98-110.	2.7	18
83	Colloidal stabilization of graphene sheets by ionizable amphiphilic block copolymers in various media. <i>RSC Advances</i> , 2015, 5, 89447-89460.	3.6	11
84	Graphene as a hexagonal 2-lattice: Evaluation of the in-plane material constants for the linear theory. A multiscale approach. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	11
85	Oxidation resistance of aligned carbon nanotube–reinforced silicon carbide composites. <i>Ceramics International</i> , 2015, 41, 12495-12498.	4.8	15
86	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015, 7, 4598-4810.	5.6	2,452
87	Morphological and Microstructural Property Comparison of Bulk and Aligned Cvd-Grown Carbon Nanotubes. <i>Advanced Composites Letters</i> , 2014, 23, 096369351402300.	1.3	1
88	Improved power conversion efficiency by insertion of RGO–TiO <sub>2</sub> composite layer as optical spacer in polymer bulk heterojunction solar cells. <i>Organic Electronics</i> , 2014, 15, 348-355.	2.6	21
89	Curvature dependent surface energy for a free standing monolayer graphene: Some closed form solutions of the non-linear theory. <i>International Journal of Non-Linear Mechanics</i> , 2014, 67, 186-197.	2.6	35
90	Curvature dependent surface energy for free standing monolayer graphene: Geometrical and material linearization with closed form solutions. <i>International Journal of Engineering Science</i> , 2014, 85, 224-233.	5.0	25

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91	Failure Processes in Embedded Monolayer Graphene under Axial Compression. Scientific Reports, 2014, 4, 5271.	3.3	65
92	Assessing micromechanical behaviour of PET cords in rubber matrix composites by laser Raman microscopy. Composites Science and Technology, 2013, 85, 104-110.	7.8	6
93	Raman spectroscopy of graphene at high pressure: Effects of the substrate and the pressure transmitting media. Physical Review B, 2013, 88, .	3.2	56
94	Graphene production by dissociation of camphor molecules on nickel substrate. Thin Solid Films, 2013, 527, 31-37.	1.8	37
95	Open structured in comparison with dense multi-walled carbon nanotube buckypapers and their composites. Composites Science and Technology, 2013, 77, 52-59.	7.8	28
96	Efficient exfoliation of graphene sheets in binary solvents. Materials Letters, 2013, 94, 47-50.	2.6	22
97	Nonlinear softening and hardening nonlocal bending stiffness of an initially curved monolayer graphene. International Journal of Non-Linear Mechanics, 2013, 56, 123-131.	2.6	18
98	Study of the thermal reduction of graphene oxide and of its application as electrocatalyst in quasi-solid state dye-sensitized solar cells in combination with PEDOT. Electrochimica Acta, 2013, 111, 698-706.	5.2	49
99	In-plane force fields and elastic properties of graphene. Journal of Applied Physics, 2013, 113, .	2.5	98
100	Structural Properties of Chemically Functionalized Carbon Nanotube Thin Films. Materials, 2013, 6, 2360-2371.	2.9	22
101	Buckypaper as Pt-free cathode electrode in photoactivated fuel cells. Electrochimica Acta, 2012, 80, 399-404.	5.2	29
102	Phonon and Structural Changes in Deformed Bernal Stacked Bilayer Graphene. Nano Letters, 2012, 12, 687-693.	9.1	65
103	Polymer-nanotube interaction in MWCNT/poly(vinyl alcohol) composite mats. Carbon, 2012, 50, 4291-4294.	10.3	46
104	Compressive behavior of MWCNT/epoxy composite mats. Composites Science and Technology, 2012, 72, 1027-1033.	7.8	40
105	Axial Deformation of Monolayer Graphene under Tension and Compression. Carbon Nanostructures, 2012, , 87-97.	0.1	2
106	High-pressure Raman study of stacked-cup carbon nanofibers. High Pressure Research, 2011, 31, 131-135.	1.2	2
107	Raman 2D-Band Splitting in Graphene: Theory and Experiment. ACS Nano, 2011, 5, 2231-2239.	14.6	271
108	Development of a universal stress sensor for graphene and carbon fibres. Nature Communications, 2011, 2, .	12.8	172

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109	Surface refinement and electronic properties of graphene layers grown on copper substrate: An XPS, UPS and EELS study. Applied Surface Science, 2011, 257, 9785-9790.	6.1	185
110	Nanostructured Heteroarm Star Block Terpolymers via an Extension of the "Out" Polymerization Route. Macromolecular Rapid Communications, 2011, 32, 371-377.	3.9	9
111	Electrochemical oxidation of multi-wall carbon nanotubes. Carbon, 2011, 49, 2702-2708.	10.3	50
112	Carbon nanotube polymer composites: Chemistry, processing, mechanical and electrical properties. Progress in Polymer Science, 2010, 35, 357-401.	24.7	2,738
113	Development and testing of a self-deformed composite material. Composite Structures, 2010, 92, 306-311.	5.8	5
114	Dielectric Spectroscopy and Tunability of Multi-Walled Carbon Nanotube / Epoxy Resin Composites. Advanced Composites Letters, 2010, 19, 096369351001900.	1.3	4
115	Compression Behavior of Single-Layer Graphenes. ACS Nano, 2010, 4, 3131-3138.	14.6	282
116	Effect of Processing and Loading Conditions upon the Fatigue Behaviour of a C <sub>f</sub> /Epoxy Laminate. Advanced Composites Letters, 2009, 18, 096369350901800.	1.3	2
117	Subjecting a Graphene Monolayer to Tension and Compression. Small, 2009, 5, 2397-2402.	10.0	400
118	The effect of oxidation treatment on the properties of multi-walled carbon nanotube thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 135-138.	3.5	62
119	Effect of fatigue on the interface integrity of unidirectional Cf-reinforced epoxy resin composites. Acta Materialia, 2009, 57, 2800-2811.	7.9	8
120	Effect of oxidation treatment of multiwalled carbon nanotubes on the mechanical and electrical properties of their epoxy composites. Composites Part A: Applied Science and Manufacturing, 2009, 40, 778-783.	7.6	104
121	Single-walled carbon nanotubes decorated with a pyrene-fluorenevinylene conjugate. Nanotechnology, 2009, 20, 135606.	2.6	20
122	High volume fraction carbon nanotube epoxy composites. Nanotechnology, 2009, 20, 405702.	2.6	58
123	Uniaxial strain in graphene by Raman spectroscopy: $G$ peak splitting, Gr <sup>1/4</sup> neisen parameters, and sample orientation. Physical Review B, 2009, 79, .	3.2	1,662
124	Accelerated environmental ageing study of polyester/glass fiber reinforced composites (GFRPCs). Composites Part B: Engineering, 2008, 39, 467-475.	12.0	130
125	Matrix cracking in polymeric composites laminates: Modelling and experiments. Composites Science and Technology, 2008, 68, 2310-2317.	7.8	48
126	Energy criterion for modelling damage evolution in cross-ply composite laminates. Composites Science and Technology, 2008, 68, 2318-2324.	7.8	28



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127	Chemical oxidation of multiwalled carbon nanotubes. Carbon, 2008, 46, 833-840.	10.3	2,376
128	Thermal stress development in fibrous composites. Materials Letters, 2008, 62, 341-345.	2.6	18
129	Transformation fatigue and stress relaxation of shape memory alloy wires. Smart Materials and Structures, 2007, 16, 2560-2570.	3.5	25
130	Thermal Characterization of Porous Silicon Micro-Hotplates using IR Thermography. , 2007, , .		0
131	Quantifying Crystalline Fraction within Polymer Spherulites. Macromolecules, 2007, 40, 786-789.	4.8	26
132	Oxidized Multi-Walled Carbon Nanotube Film Fabrication and Characterization. Advanced Composites Letters, 2007, 16, 096369350701600.	1.3	21
133	Water-soluble Carbon Nanotubes by Redox Radical Polymerization. Macromolecular Rapid Communications, 2007, 28, 1553-1558.	3.9	35
134	Analysis of matrix cracking in GFRP laminates using Raman spectroscopy. Composites Science and Technology, 2007, 67, 1946-1954.	7.8	13
135	Phonon stress sensitivity for interface characterization of fibrous composites at various temperatures. Acta Materialia, 2007, 55, 3783-3793.	7.9	2
136	Stress generation by shape memory alloy wires embedded in polymer composites. Acta Materialia, 2007, 55, 5489-5499.	7.9	42
137	High pressure Raman study of the second-order vibrational modes of single- and double-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4069-4073.	1.5	8
138	Covalently functionalized carbon nanotubes as macroinitiators for radical polymerization. Physica Status Solidi (B): Basic Research, 2007, 244, 4046-4050.	1.5	28
139	Growth of calcium carbonate on non-covalently modified carbon nanotubes. Materials Letters, 2007, 61, 5044-5046.	2.6	19
140	Effects of inter-fibre spacing and matrix cracks on stress amplification factors in carbon-fibre/epoxy matrix composites, Part II: Hexagonal array of fibres. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1936-1943.	7.6	13
141	Viscoplastic finite element analysis of matrix crack propagation in model continuous-carbon fibre/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1922-1935.	7.6	3
142	Growth of calcium phosphate mineral on carbon nanotube buckypapers. Physica Status Solidi (B): Basic Research, 2006, 243, 3230-3233.	1.5	16
143	Enhancing the damping of wind turbine rotor blades, the DAMPBLADE project. Wind Energy, 2006, 9, 163-177.	4.2	17
144	Effect of Off-axis Matrix Cracking on Stiffness of Symmetric Angle-Ply Composite Laminates. International Journal of Fracture, 2006, 139, 529-536.	2.2	23

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145	Raman spectroscopy investigation of stiffness change and residual strains due to matrix cracking. <i>Mechanics of Composite Materials</i> , 2006, 42, 535-546.	1.4	1
146	Experimental Determination of Stress Concentrations in Composite Laminates and their Effects on Damage Evolution. <i>Applied Mechanics and Materials</i> , 2006, 5-6, 383-390.	0.2	0
147	Direct measurement of fiber bridging in notched glass-ceramic-matrix composites. <i>Journal of Materials Research</i> , 2006, 21, 1150-1160.	2.6	21
148	Effect of stress and temperature on the optical phonons of aramid fibers. <i>Physical Review B</i> , 2006, 73, .	3.2	7
149	Determination of interface integrity in high volume fraction polymer composites at all strain levels. <i>Acta Materialia</i> , 2005, 53, 647-657.	7.9	13
150	Local strain re-distribution and stiffness degradation in cross-ply polymer composites under tension. <i>Acta Materialia</i> , 2005, 53, 3335-3343.	7.9	28
151	An experimental and theoretical study of the stress transfer problem in fibrous composites. <i>Acta Materialia</i> , 2005, 53, 4173-4183.	7.9	18
152	Design and construction of a vehicular bridge made of glass/polyester pultruded box beams. <i>Plastics, Rubber and Composites</i> , 2005, 34, 201-207.	2.0	26
153	Global method for measuring stress in polymer fibers at elevated temperatures. <i>Applied Physics Letters</i> , 2005, 87, 131910.	3.3	1
154	Interfacial damage modelling of composites. , 2005, , 33-64.		4
155	Estimation of Crystallinity in Isotropic Isotactic Polypropylene with Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 1141-1147.	2.2	35
156	Stress/Strain Measurements in Fibers and Composites Using Raman Spectroscopy. , 2005, , 35-98.		0
157	Axial strain redistribution resulting from off-axis ply cracking in polymer composites. <i>Applied Physics Letters</i> , 2004, 85, 3752-3754.	3.3	18
158	Mechanically and thermally induced chain conformational transformations between helical form I and trans-planar form III in syndiotactic polypropylene using FT-IR and Raman spectroscopic techniques. <i>Polymer</i> , 2004, 45, 4453-4464.	3.8	27
159	Fluorescence studies of polycrystalline Al <sub>2</sub> O <sub>3</sub> composite constituents: piezo-spectroscopic calibration and applications. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 647-659.	2.3	11
160	Compressive failure mechanisms in multi-fibre microcomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004, 35, 461-475.	7.6	10
161	Stress transfer efficiency in model composites under dynamic loading. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 231-239.	2.3	5
162	Stress and temperature self-sensing fibres. <i>Chemical Physics Letters</i> , 2003, 367, 270-277.	2.6	9

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163	Mechanisms of stress transfer and interface integrity in carbon/epoxy composites under compression loading. Part II: Numerical approach. International Journal of Solids and Structures, 2003, 40, 5521-5538.	2.7	6
164	Direct in situ measurements of bridging stresses in CFCCs. Acta Materialia, 2003, 51, 5359-5373.	7.9	25
165	Effects of inter-fibre spacing and matrix cracks on stress amplification factors in carbon-fibre/epoxy matrix composites. Part I: planar array of fibres. Composites Part A: Applied Science and Manufacturing, 2003, 34, 1227-1234.	7.6	12
166	The effect of the interface on the fatigue performance of fibre composites. , 2003, , 147-172.		0
167	Strain Redistribution in Composite Laminates Resulting from Off-Axis Ply Cracking. , 2003, , 139-150.		2
168	In Situ Assessment of the Micromechanics of Large Scale Bridging in Ceramic Composites. , 2003, , 71-79.		0
169	Progress on Composites with Embedded Shape Memory Alloy Wires. Materials Transactions, 2002, 43, 961-973.	1.2	43
170	Comparative assessment of stress transfer efficiency in tension and compression. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1303-1309.	7.6	13
171	Mechanisms of stress transfer and interface integrity in carbon/epoxy composites under compression loading. International Journal of Solids and Structures, 2002, 39, 3217-3231.	2.7	15
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