

Gilles Lubineau

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

7,289
citations

50276

46
h-index

82547

72
g-index

216
all docs

216
docs citations

216
times ranked

7263
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact and post-impact response of lightweight CFRP/wood sandwich composites. <i>Composite Structures</i> , 2022, 279, 114766.	5.8	27
2	Mechanical Reliability of Fullerene/Tin Oxide Interfaces in Monolithic Perovskite/Silicon Tandem Cells. <i>ACS Energy Letters</i> , 2022, 7, 827-833.	17.4	25
3	A Stretchable Fiber with Tunable Stiffness for Programmable Shape Change of Soft Robots. <i>Soft Robotics</i> , 2022, 9, 1052-1061.	8.0	5
4	On the impact damage resistance and tolerance improvement of hybrid CFRP/Kevlar sandwich composites. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111732.	4.4	20
5	Toughening adhesive joints through crack path engineering using integrated polyamide wires. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 158, 106954.	7.6	8
6	Laser-based pretreatment of composite T-joints for improved pull-off strength and toughness. <i>Composite Structures</i> , 2022, 291, 115545.	5.8	7
7	Evolution of the Seebeck effect in nanoparticle-percolated networks under applied strain. <i>Applied Materials Today</i> , 2022, 28, 101503.	4.3	2
8	Effect of actual surface area on adhesion strength of copper electroplated on ABS plastic micro-textured by hot embossing. <i>Procedia CIRP</i> , 2022, 108, 210-215.	1.9	10
9	Cassette-like peeling system for testing the adhesion of soft-to-rigid assemblies. <i>International Journal of Solids and Structures</i> , 2022, 251, 111751.	2.7	3
10	Large-scale hot embossing of 1 μ m high-aspect-ratio textures on ABS polymer. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2022, 38, 340-349.	4.5	9
11	Laser ablation of CFRP surfaces for improving the strength of bonded scarf composite joints. <i>Composite Structures</i> , 2022, 296, 115881.	5.8	5
12	Toughening mechanisms in cost-effective carbon-epoxy laminates with thermoplastic veils: Mode-I and in-situ SEM fracture characterisation. <i>International Journal of Lightweight Materials and Manufacture</i> , 2021, 4, 50-61.	2.1	12
13	A dynamic hybrid local/nonlocal continuum model for wave propagation. <i>Computational Mechanics</i> , 2021, 67, 385-407.	4.0	15
14	Strength-induced peridynamic modeling and simulation of fractures in brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 374, 113558.	6.6	33
15	Enhanced mode II fracture toughness of secondary bonded joints using tailored sacrificial cracks inside the adhesive. <i>Composites Science and Technology</i> , 2021, 204, 108605.	7.8	20
16	Nanocomposite sensors for smart textile composites. , 2021, , 55-81.		2
17	A smartphone camera and built-in gyroscope based application for non-contact yet accurate off-axis structural displacement measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 167, 108449.	5.0	14
18	Post Processing Strategies for the Enhancement of Mechanical Properties of ENMs (Electrospun) Tj ETQq0 0 0 rgBT ₁ /Overlock 10 Tf 50 6	3.0	46

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19	Effect of Mechanical Pretreatments on Damage Mechanisms and Fracture Toughness in CFRP/Epoxy Joints. <i>Materials</i> , 2021, 14, 1512.	2.9	10
20	Fatigue crack growth in laser-treated adhesively bonded composite joints: An experimental examination. <i>International Journal of Adhesion and Adhesives</i> , 2021, 105, 102784.	2.9	14
21	Smartphone-Based Single-Camera Stereo-DIC System: Thermal Error Analysis and Design Recommendations. <i>IEEE Sensors Journal</i> , 2021, 21, 9567-9576.	4.7	4
22	Bio-inspired composite laminate design with improved out-of-plane strength and ductility. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 144, 106362.	7.6	26
23	Robust, Long-Term, and Exceptionally Sensitive Microneedle-Based Bioimpedance Sensor for Precision Farming. <i>Advanced Science</i> , 2021, 8, e2101261.	11.2	14
24	Achieving Super Sensitivity in Capacitive Strain Sensing by Electrode Fragmentation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36062-36070.	8.0	12
25	Snap-back instability of double cantilever beam with bridging. <i>International Journal of Solids and Structures</i> , 2021, 233, 111150.	2.7	5
26	Surface preparation strategies in secondary bonded thermoset-based composite materials: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 147, 106443.	7.6	38
27	Strain Sensing by Electrical Capacitive Variation: From Stretchable Materials to Electronic Interfaces. <i>Advanced Electronic Materials</i> , 2021, 7, 2100190.	5.1	17
28	Bio-inspired adhesive joint with improved interlaminar fracture toughness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 149, 106530.	7.6	21
29	Influence of curing processes on the development of fiber bridging during delamination in composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 149, 106564.	7.6	9
30	Polymer metallization via cold spray additive manufacturing: A review of process control, coating qualities, and prospective applications. <i>Additive Manufacturing</i> , 2021, 48, 102459.	3.0	17
31	Effect of Al ₂ O ₃ particles on mechanical and tribological properties of Al-Mg dual-matrix nanocomposites. <i>Ceramics International</i> , 2020, 46, 5779-5787.	4.8	56
32	On controlling interfacial heterogeneity to trigger bridging in secondary bonded composite joints: An efficient strategy to introduce crack-arrest features. <i>Composites Science and Technology</i> , 2020, 188, 107964.	7.8	28
33	Buckled Conductive Polymer Ribbons in Elastomer Channels as Stretchable Fiber Conductor. <i>Advanced Functional Materials</i> , 2020, 30, 1907316.	14.9	40
34	How variability in interfacial properties results in tougher bonded composite joints by triggering bridging. <i>International Journal of Solids and Structures</i> , 2020, 191-192, 87-98.	2.7	11
35	An enriched cohesive law using plane-part of interfacial strains to model intra/inter laminar coupling in laminated composites. <i>Composites Science and Technology</i> , 2020, 200, 108460.	7.8	8
36	Enhancement of fracture toughness in secondary bonded CFRP using hybrid thermoplastic/thermoset bondline architecture. <i>Composites Science and Technology</i> , 2020, 199, 108346.	7.8	25

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37	Laser-based interfacial patterning enables toughening of CFRP/epoxy joints through bridging of adhesive ligaments. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 139, 106094.	7.6	22
38	How the spatial correlation in adhesion properties influences the performance of secondary bonding of laminated composites. <i>International Journal of Solids and Structures</i> , 2020, 196-197, 41-52.	2.7	8
39	Improving mode II fracture toughness of secondary bonded joints using laser patterning of adherends. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 134, 105892.	7.6	24
40	Characterizing and modeling the progressive damage of off-axis thermoplastic plies: Effect of ply confinement. <i>Composite Structures</i> , 2020, 246, 112397.	5.8	2
41	Post-impact flexural behavior of carbon-aramid/epoxy hybrid composites. <i>Composite Structures</i> , 2020, 239, 112022.	5.8	56
42	Aerospace engineering requirements in building with composites. , 2020, , 3-22.		19
43	An experimental study on the influence of intralaminar damage on interlaminar delamination properties of laminated composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 131, 105783.	7.6	12
44	Low-Voltage-Driven Large-Amplitude Soft Actuators Based on Phase Transition. <i>Soft Robotics</i> , 2020, 7, 688-699.	8.0	21
45	On the effect of interfacial patterns on energy dissipation in plastically deforming adhesive bonded ductile sheets. <i>International Journal of Solids and Structures</i> , 2020, 198, 31-40.	2.7	38
46	Rate-dependent viscoelasticity of an impact-hardening polymer under oscillatory shear. <i>Materials Research Express</i> , 2020, 7, 075701.	1.6	2
47	Inkjet-printed Ti_3C_2Tx MXene electrodes for multimodal cutaneous biosensing. <i>JPhys Materials</i> , 2020, 3, 044004.	4.2	30
48	A synergetic layered inorganic-organic hybrid film for conductive, flexible, and transparent electrodes. <i>Npj Flexible Electronics</i> , 2019, 3, .	10.7	10
49	Emergent Protective Organogenesis in Date Palms: A Morpho-Devo-Dynamic Adaptive Strategy during Early Development. <i>Plant Cell</i> , 2019, 31, 1751-1766.	6.6	24
50	Copolymer-enabled stretchable conductive polymer fibers. <i>Polymer</i> , 2019, 177, 189-195.	3.8	18
51	Modeling of systematic errors in stereo-digital image correlation due to camera self-heating. <i>Scientific Reports</i> , 2019, 9, 6567.	3.3	11
52	All-polymer based polymorph skin with controllable surface texture. <i>Smart Materials and Structures</i> , 2019, 28, 075011.	3.5	4
53	Accurate 3D Shape, Displacement and Deformation Measurement Using a Smartphone. <i>Sensors</i> , 2019, 19, 719.	3.8	19
54	Internal strain assessment using FBGs in a thermoplastic composite subjected to quasi-static indentation and low-velocity impact. <i>Composite Structures</i> , 2019, 215, 305-316.	5.8	13

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55	Macroscopic Modeling of Water Uptake Behavior of PEDOT:PSS Films. ACS Omega, 2019, 4, 21883-21890.	3.5	13
56	A highly stretchable strain-insensitive temperature sensor exploits the Seebeck effect in nanoparticle-based printed circuits. Journal of Materials Chemistry A, 2019, 7, 24493-24501.	10.3	38
57	In situ micro-scale high-speed imaging for evaluation of fracture propagation and fracture toughness of thermoplastic laminates subjected to impact. Composite Structures, 2019, 210, 747-754.	5.8	8
58	Revealing the effects of matrix behavior on low-velocity impact response of continuous fiber-reinforced thermoplastic laminates. Composite Structures, 2019, 210, 239-249.	5.8	31
59	Influence of process-induced shrinkage and annealing on the thermomechanical behavior of glass fiber-reinforced polypropylene. Composites Science and Technology, 2019, 170, 183-189.	7.8	15
60	In situ analysis of interfacial damage in adhesively bonded composite joints subjected to various surface pretreatments. Composites Part A: Applied Science and Manufacturing, 2019, 116, 216-223.	7.6	45
61	On the anisotropic behavior of electrodes for electrical-based monitoring of CFRP laminated composites. Polymer Composites, 2019, 40, 2061-2066.	4.6	8
62	Robust method for identifying material parameters based on virtual fields in elastodynamics. Computers and Mathematics With Applications, 2019, 77, 3021-3042.	2.7	0
63	Toward Programmable Materials for Wearable Electronics: Electrical Welding Turns Sensors into Conductors. Advanced Electronic Materials, 2019, 5, 1800273.	5.1	6
64	Real-time electrical impedance monitoring of carbon fiber-reinforced polymer laminates undergoing quasi-static indentation. Composite Structures, 2019, 207, 255-263.	5.8	14
65	An experimental approach that assesses in-situ micro-scale damage mechanisms and fracture toughness in thermoplastic laminates under out-of-plane loading. Composite Structures, 2019, 207, 546-559.	5.8	9
66	A Hybrid Local/Nonlocal Continuum Mechanics Modeling and Simulation of Fracture in Brittle Materials. CMES - Computer Modeling in Engineering and Sciences, 2019, 121, 399-423.	1.1	11
67	A LabVIEW-based electrical bioimpedance spectroscopic data interpreter (LEBISDI) for biological tissue impedance analysis and equivalent circuit modelling. Journal of Electrical Bioimpedance, 2019, 7, 35-54.	0.9	19
68	Laser-based surface patterning of composite plates for improved secondary adhesive bonding. Composites Part A: Applied Science and Manufacturing, 2018, 109, 84-94.	7.6	66
69	Characterizing and modeling the pressure- and rate-dependent elastic-plastic-damage behavior of polypropylene-based polymers. Polymer Testing, 2018, 68, 433-445.	4.8	17
70	Computational modeling of electrically conductive networks formed by graphene nanoplatelet-carbon nanotube hybrid particles. Modelling and Simulation in Materials Science and Engineering, 2018, 26, 035010.	2.0	19
71	Coaxial Thermoplastic Elastomer-Wrapped Carbon Nanotube Fibers for Deformable and Wearable Strain Sensors. Advanced Functional Materials, 2018, 28, 1705591.	14.9	207
72	Nonlinear viscoelasticity of pre-compressed layered polymeric composite under oscillatory compression. Composites Science and Technology, 2018, 162, 188-197.	7.8	6

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73	In-Situ Systematic Error Correction for Digital Volume Correlation Using a Reference Sample. <i>Experimental Mechanics</i> , 2018, 58, 427-436.	2.0	7
74	Morphological evolution and internal strain mapping of pomelo peel using X-ray computed tomography and digital volume correlation. <i>Materials and Design</i> , 2018, 137, 305-315.	7.0	31
75	Characterizing the influence of matrix ductility on damage phenomenology in continuous fiber-reinforced thermoplastic laminates undergoing quasi-static indentation. <i>Composite Structures</i> , 2018, 186, 324-334.	5.8	31
76	Computational Investigation of the Morphology, Efficiency, and Properties of Silver Nano Wires Networks in Transparent Conductive Film. <i>Scientific Reports</i> , 2018, 8, 17494.	3.3	18
77	Making a Bilateral Compression/Tension Sensor by Pre-Stretching Open-Crack Networks in Carbon Nanotube Papers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33507-33515.	8.0	39
78	Space-time tomography for continuously deforming objects. <i>ACM Transactions on Graphics</i> , 2018, 37, 1-14.	7.2	33
79	Principles and Applications of Microwave Testing for Woven and Non-Woven Carbon Fibre-Reinforced Polymer Composites: a Topical Review. <i>Applied Composite Materials</i> , 2018, 25, 965-982.	2.5	35
80	Estimating and understanding the efficiency of nanoparticles in enhancing the conductivity of carbon nanotube/polymer composites. <i>Results in Physics</i> , 2018, 10, 81-90.	4.1	39
81	Suivi de la fabrication de stratifiés verrepolypropylène par réseaux de Bragg et du comportement thermomécanique induit. <i>Revue Des Composites Et Des Matériaux Avancés</i> , 2018, 28, 55-73.	0.6	0
82	Human-Finger Electronics Based on Opposing Humidity-Resistance Responses in Carbon Nanofilms. <i>Small</i> , 2017, 13, 1603486.	10.0	40
83	Ultrasensitive, Stretchable Strain Sensors Based on Fragmented Carbon Nanotube Papers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4835-4842.	8.0	184
84	A morphological investigation of conductive networks in polymers loaded with carbon nanotubes. <i>Computational Materials Science</i> , 2017, 130, 21-38.	3.0	34
85	Electrical impedance spectroscopy for measuring the impedance response of carbon-fiber-reinforced polymer composite laminates. <i>Composite Structures</i> , 2017, 168, 510-521.	5.8	31
86	Self-Peel-Off Transfer Produces Ultrathin Polyvinylidene Fluoride-Based Flexible Nanodevices. <i>Advanced Science</i> , 2017, 4, 1600370.	11.2	11
87	Combining the converse humidity/resistance response behaviors of rGO films for flexible logic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3848-3854.	5.5	13
88	Hysteresis in the relation between moisture uptake and electrical conductivity in neat epoxy. <i>Polymer Degradation and Stability</i> , 2017, 141, 54-57.	5.8	8
89	High stability of few layer graphene nanoplatelets in various solvents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 191, 012015.	0.6	2
90	Deformable and wearable carbon nanotube microwire-based sensors for ultrasensitive monitoring of strain, pressure and torsion. <i>Nanoscale</i> , 2017, 9, 604-612.	5.6	78

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91	Leveraging a temperature-tunable, scale-like microstructure to produce multimodal, supersensitive sensors. <i>Nanoscale</i> , 2017, 9, 7888-7894.	5.6	18
92	Identifying design parameters controlling damage behaviors of continuous fiber-reinforced thermoplastic composites using micromechanics as a virtual testing tool. <i>International Journal of Solids and Structures</i> , 2017, 117, 177-190.	2.7	51
93	Systematic errors in digital volume correlation due to the self-heating effect of a laboratory x-ray CT scanner. <i>Measurement Science and Technology</i> , 2017, 28, 055402.	2.6	12
94	The effect of z-binding yarns on the electrical properties of 3D woven composites. <i>Composite Structures</i> , 2017, 182, 606-616.	5.8	23
95	A Sandwiched/Cracked Flexible Film for Multithermal Monitoring and Switching Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32184-32191.	8.0	15
96	Sodium Hypochlorite and Sodium Bromide Individualized and Stabilized Carbon Nanotubes in Water. <i>Langmuir</i> , 2017, 33, 10868-10876.	3.5	5
97	Preparation of water-soluble graphene nanoplatelets and highly conductive films. <i>Carbon</i> , 2017, 124, 133-141.	10.3	16
98	Toughness amplification in copper/epoxy joints through pulsed laser micro-machined interface heterogeneities. <i>Scientific Reports</i> , 2017, 7, 16344.	3.3	20
99	Alcohol Recognition by Flexible, Transparent and Highly Sensitive Graphene-Based Thin-Film Sensors. <i>Scientific Reports</i> , 2017, 7, 4317.	3.3	30
100	Laser-engraved carbon nanotube paper for instilling high sensitivity, high stretchability, and high linearity in strain sensors. <i>Nanoscale</i> , 2017, 9, 10897-10905.	5.6	75
101	Investigating the Potential of Using Off-Axis 3D Woven Composites in Composite Joints™ Applications. <i>Applied Composite Materials</i> , 2017, 24, 377-396.	2.5	23
102	Magneto-dependent stress relaxation of magnetorheological gels. <i>Smart Materials and Structures</i> , 2017, 26, 115005.	3.5	19
103	Recent advancements in mechanical characterisation of 3D woven composites. <i>Mechanics of Advanced Materials and Modern Processes</i> , 2017, 3, .	2.2	51
104	Effect of Voltage Measurement on the Quantitative Identification of Transverse Cracks by Electrical Measurements. <i>Sensors</i> , 2016, 16, 427.	3.8	2
105	Transverse Crack Detection in 3D Angle Interlock Glass Fibre Composites Using Acoustic Emission. <i>Materials</i> , 2016, 9, 699.	2.9	16
106	Double-twisted Conductive Smart Threads Comprising a Homogeneously and a Gradient-coated Thread for Multidimensional Flexible Pressure Sensing Devices. <i>Advanced Functional Materials</i> , 2016, 26, 4078-4084.	14.9	65
107	Light-activated Rapid-response Polyvinylidene fluoride-based Flexible Films. <i>Advanced Materials</i> , 2016, 28, 4665-4670.	21.0	66
108	Facile Preparation of Carbon-Nanotube-based 3-Dimensional Transparent Conducting Networks for Flexible Noncontact Sensing Device. <i>MRS Advances</i> , 2016, 1, 3533-3538.	0.9	0

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109	Accurate kinematic measurement at interfaces between dissimilar materials using conforming finite-element-based digital image correlation. <i>Optics and Lasers in Engineering</i> , 2016, 81, 103-112.	3.8	8
110	Effects of the cooling rate on the shear behavior of continuous glass fiber/impact polypropylene composites (GF-IPP). <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 91, 41-52.	7.6	31
111	Characterising the loading direction sensitivity of 3D woven composites: Effect of z-binder architecture. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 577-588.	7.6	89
112	Heating-Rate-Triggered Carbon-Nanotube-based 3-Dimensional Conducting Networks for a Highly Sensitive Noncontact Sensing Device. <i>Scientific Reports</i> , 2016, 6, 19632.	3.3	23
113	Highly transparent, low-haze, hybrid cellulose nanopaper as electrodes for flexible electronics. <i>Nanoscale</i> , 2016, 8, 12294-12306.	5.6	127
114	Electrical impedance spectroscopy (EIS)-based evaluation of biological tissue phantoms to study multifrequency electrical impedance tomography (Mf-EIT) systems. <i>Journal of Visualization</i> , 2016, 19, 691-713.	1.8	48
115	Adaptive coupling between damage mechanics and peridynamics: A route for objective simulation of material degradation up to complete failure. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 94, 453-472.	4.8	92
116	A morphing approach to couple state-based peridynamics with classical continuum mechanics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 301, 336-358.	6.6	121
117	Micro-mechanics based damage mechanics for 3D orthogonal woven composites: Experiment and numerical modelling. <i>Composite Structures</i> , 2016, 156, 115-124.	5.8	37
118	Comparison of subset-based local and FE-based global digital image correlation: Theoretical error analysis and validation. <i>Optics and Lasers in Engineering</i> , 2016, 82, 148-158.	3.8	20
119	Monotonic and cyclic responses of impact polypropylene and continuous glass fiber-reinforced impact polypropylene composites at different strain rates. <i>Polymer Testing</i> , 2016, 51, 93-100.	4.8	21
120	Process monitoring of glass reinforced polypropylene laminates using fiber Bragg gratings. <i>Composites Science and Technology</i> , 2016, 123, 143-150.	7.8	51
121	High-ampacity conductive polymer microfibers as fast response wearable heaters and electromechanical actuators. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1238-1249.	5.5	100
122	Improving adhesion of copper/epoxy joints by pulsed laser ablation. <i>International Journal of Adhesion and Adhesives</i> , 2016, 64, 23-32.	2.9	27
123	Peridynamics for analysis of failure in advanced composite materials. , 2015, , 331-350.		19
124	Investigating the Inter-Tube Conduction Mechanism in Polycarbonate Nanocomposites Prepared with Conductive Polymer-Coated Carbon Nanotubes. <i>Nanoscale Research Letters</i> , 2015, 10, 485.	5.7	25
125	Thermal conductivity and stability of a three-phase blend of carbon nanotubes, conductive polymer, and silver nanoparticles incorporated into polycarbonate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	11
126	A 3D domain decomposition approach for the identification of spatially varying elastic material parameters. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 102, 1431-1448.	2.8	2

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127	Response of fiber Bragg gratings bonded on a glass/epoxy laminate subjected to static loadings. <i>Composite Structures</i> , 2015, 130, 75-84.	5.8	29
128	Laser-based surface preparation of composite laminates leads to improved electrodes for electrical measurements. <i>Applied Surface Science</i> , 2015, 359, 388-397.	6.1	18
129	Effect of camera temperature variations on stereo-digital image correlation measurements. <i>Applied Optics</i> , 2015, 54, 10089.	2.1	29
130	A domain decomposition approach for full-field measurements based identification of local elastic parameters. <i>International Journal of Solids and Structures</i> , 2015, 55, 44-57.	2.7	7
131	Comparison of Subset-Based Local and Finite Element-Based Global Digital Image Correlation. <i>Experimental Mechanics</i> , 2015, 55, 887-901.	2.0	33
132	Damage characteristics in 3D stitched composites with various stitch parameters under in-plane tension. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 71, 17-31.	7.6	56
133	Semi-metallic, strong and stretchable wet-spun conjugated polymer microfibers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2528-2538.	5.5	130
134	Unraveling the Order and Disorder in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Nanofilms. <i>Macromolecules</i> , 2015, 48, 5688-5696.	4.8	46
135	A highly sensitive, low-cost, wearable pressure sensor based on conductive hydrogel spheres. <i>Nanoscale</i> , 2015, 7, 14766-14773.	5.6	126
136	Drastic modification of the piezoresistive behavior of polymer nanocomposites by using conductive polymer coatings. <i>Composites Science and Technology</i> , 2015, 117, 342-350.	7.8	36
137	Some practical considerations in finite element-based digital image correlation. <i>Optics and Lasers in Engineering</i> , 2015, 73, 22-32.	3.8	16
138	Flexible, Highly Graphitized Carbon Aerogels Based on Bacterial Cellulose/Lignin: Catalyst-Free Synthesis and its Application in Energy Storage Devices. <i>Advanced Functional Materials</i> , 2015, 25, 3193-3202.	14.9	262
139	Using Image Gradients to Improve Robustness of Digital Image Correlation to Non-uniform Illumination: Effects of Weighting and Normalization Choices. <i>Experimental Mechanics</i> , 2015, 55, 963-979.	2.0	24
140	Development of Low-Cost DDGS-Based Activated Carbons and Their Applications in Environmental Remediation and High-Performance Electrodes for Supercapacitors. <i>Journal of Polymers and the Environment</i> , 2015, 23, 595-605.	5.0	12
141	Distributed internal strain measurement during composite manufacturing using optical fibre sensors. <i>Composites Science and Technology</i> , 2015, 120, 49-57.	7.8	45
142	Temperature sensing of micron scale polymer fibers using fiber Bragg gratings. <i>Measurement Science and Technology</i> , 2015, 26, 085003.	2.6	10
143	On the detectability of transverse cracks in laminated composites using electrical potential change measurements. <i>Composite Structures</i> , 2015, 121, 237-246.	5.8	26
144	Carbon nanotubes with silver nanoparticle decoration and conductive polymer coating for improving the electrical conductivity of polycarbonate composites. <i>Carbon</i> , 2015, 81, 720-730.	10.3	57

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145	Monitoring and simulations of hydrolysis in epoxy matrix composites during hygrothermal aging. Composites Part A: Applied Science and Manufacturing, 2015, 68, 184-192.	7.6	34
146	Global sensitivity analysis in the identification of cohesive models using full-field kinematic data. International Journal of Solids and Structures, 2015, 55, 66-78.	2.7	39
147	Interface debonding characterization by image correlation integrated with Double Cantilever Beam kinematics. International Journal of Solids and Structures, 2015, 55, 79-91.	2.7	64
148	Characterizing the toughness of an epoxy resin after wet aging using compact tension specimens with non-uniform moisture content. Polymer Degradation and Stability, 2014, 109, 319-326.	5.8	26
149	Computational modeling of elastic properties of carbon nanotube/polymer composites with interphase regions. Part I: Micro-structural characterization and geometric modeling. Computational Materials Science, 2014, 81, 641-651.	3.0	40
150	An efficient and accurate 3D displacements tracking strategy for digital volume correlation. Optics and Lasers in Engineering, 2014, 58, 126-135.	3.8	54
151	Thermomechanical and hygroelastic properties of an epoxy system under humid and cold-warm cycling conditions. Polymer Degradation and Stability, 2014, 99, 146-155.	5.8	26
152	Electrical behavior of laminated composites with intralaminar degradation: A comprehensive micro-meso homogenization procedure. Composite Structures, 2014, 109, 178-188.	5.8	25
153	Analysis of interlaminar fracture toughness and damage mechanisms in composite laminates reinforced with sprayed multi-walled carbon nanotubes. Materials & Design, 2014, 53, 921-927.	5.1	89
154	Probing the Role of Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate)-Coated Multiwalled Carbon Nanotubes in the Thermal and Mechanical Properties of Polycarbonate Nanocomposites. Industrial & Engineering Chemistry Research, 2014, 53, 3539-3549.	3.7	34
155	Lignin-based carbon fibers: Carbon nanotube decoration and superior thermal stability. Carbon, 2014, 80, 91-102.	10.3	76
156	Understanding the mechanisms that change the conductivity of damaged ITO-coated polymeric films: A micro-mechanical investigation. Solar Energy Materials and Solar Cells, 2014, 130, 199-207.	6.2	31
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