Chun H Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298 papers	8,987 citations	53 h-index	78 g-index
318 ext. papers	11,083 ext. citations	5.8 avg, IF	6.74 L-index

#	Paper	IF	Citations
298	Electrospun liquid metal/PVDF-HFP nanofiber membranes with exceptional triboelectric performance. *Nano Energy*, **2022**, 92, 106713	17.1	6
297	Hierarchical strengthening of carbon fibre composite T-joints using nanoparticles and Z-pins. *Composites Part A: Applied Science and Manufacturing*, **2022**, 154, 106775	8.4	1
296	Precision Pollination Strategies for Advancing Horticultural Tomato Crop Production. *Agronomy*, **2022**, 12, 518	3.6	1
295	Enhancing output performance of PVDF-HFP fiber-based nanogenerator by hybridizing silver nanowires and perovskite oxide nanocrystals. *Nano Energy*, **2022**, 98, 107343	17.1	2
294	Functional Ultra-High Molecular Weight Polyethylene Composites for Ligament Reconstructions and Their Targeted Applications in the Restoration of the Anterior Cruciate Ligament. *Polymers*, **2022**, 14, 2189	4.5	0
293	Nondestructive Testing of Defects in Polymer Matrix Composite Materials for Marine Applications Using Terahertz Waves. *Journal of Nondestructive Evaluation*, **2021**, 40, 1	2.1	4
292	Energy Storage Structural Composites with Integrated Lithium-Ion Batteries: A Review. *Advanced Materials Technologies*, **2021**, 6, 2001059	6.8	15
291	Creating ionic pathways in solid-state polymer electrolyte by using PVA-coated carbon nanofibers. *Composites Science and Technology*, **2021**, 207, 108710	8.6	3
290	Strengthening and toughening epoxy polymer at cryogenic temperature using cupric oxide nanorods. *Composites Science and Technology*, **2021**, 208, 108762	8.6	5
289	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. *Composites Part B: Engineering*, **2021**, 212, 108675	10	38
288	Carbon fiber reinforced Zn MnO2 structural composite batteries. *Composites Science and Technology*, **2021**, 209, 108787	8.6	12
287	Carbon fibre electrodes for ultra long cycle life pseudocapacitors by engineering the nano-structure of vertical graphene and manganese dioxides. *Carbon*, **2021**, 177, 260-270	10.4	8
286	Fire-Resistant Flexible Polyurethane Foams via Nature-Inspired Chitosan-Expandable Graphite Coatings. *ACS Applied Polymer Materials*, **2021**, 3, 4079-4087	4.3	2
285	Multifunctional magneto-polymer matrix composites for electromagnetic interference suppression, sensors and actuators. *Progress in Materials Science*, **2021**, 115, 100705	42.2	26
284	Reducing repair dimension with variable scarf angles. *International Journal of Adhesion and Adhesives*, **2021**, 104, 102752	3.4	3
283	Nonlinear mixing of non-collinear guided waves at a contact interface. *Ultrasonics*, **2021**, 110, 106222	3.5	8
282	Strengthening of composite T-joints using 1D and 2D carbon nanoparticles. *Composite Structures*, **2021**, 255, 112982	5.3	10

281	Strain stiffening and positive piezoconductive effect of liquid metal/elastomer soft composites. *Composites Science and Technology*, **2021**, 201, 108497	8.6	10
280	Hierarchically structured electrodes for moldable supercapacitors by synergistically hybridizing vertical graphene nanosheets and MnO2. *Carbon*, **2021**, 172, 272-282	10.4	27
279	Synergies of vertical graphene and manganese dioxide in enhancing the energy density of carbon fibre-based structural supercapacitors. *Composites Science and Technology*, **2021**, 201, 108568	8.6	23
278	A vertical graphene enhanced Zn□MnO2 flexible battery towards wearable electronic devices. *Journal of Materials Chemistry A*, **2021**, 9, 575-584	13	15
277	Recent developments of hybrid piezo□triboelectric nanogenerators for flexible sensors and energy harvesters. *Nanoscale Advances*, **2021**, 3, 5465-5486	5.1	6
276	Wearable Sensors for Remote Health Monitoring: Potential Applications for Early Diagnosis of Covid-19.. *Advanced Materials Technologies*, **2021**, 2100545	6.8	8
275	Integrating phase field and crystal plasticity finite element models for simulations of titanium alloy Ti-5553. *JPhys Materials*, **2021**, 4, 044014	4.2	0
274	Conductive Polymer Nanocomposites for Stretchable Electronics: Material Selection, Design, and Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 43831-43854	9.5	9
273	Transparent, stretchable and high-performance triboelectric nanogenerator based on dehydration-free ionically conductive solid polymer electrode. *Nano Energy*, **2021**, 88, 106289	17.1	5
272	High-performance hierarchical MnO2/CNT electrode for multifunctional supercapacitors. *Carbon*, **2021**, 184, 504-513	10.4	6
271	Enabling contactless rapid on-demand debonding and rebonding using hysteresis heating of ferrimagnetic nanoparticles. *Materials and Design*, **2021**, 210, 110076	8.1	1
270	Toughening carbon fibre composites at cryogenic temperatures using low-thermal expansion nanoparticles. *Composites Part A: Applied Science and Manufacturing*, **2021**, 150, 106613	8.4	0
269	Improving the delamination resistance and impact damage tolerance of carbon fibre-epoxy composites using multi-scale fibre toughening. *Composites Part A: Applied Science and Manufacturing*, **2021**, 150, 106624	8.4	2
268	Two-birds-one-stone: multifunctional supercapacitors beyond traditional energy storage. *Energy and Environmental Science*, **2021**, 14, 1854-1896	35.4	67
267	Actuated Dielectric-Lossy Screen for Dynamically Suppressing Electromagnetic Interference. *ACS Applied Electronic Materials*, **2020**, 2, 3923-3935	4	
266	Recent advances in rational design of polymer nanocomposite dielectrics for energy storage. *Nano Energy*, **2020**, 74, 104844	17.1	58
265	Improving the actuation performance of magneto-polymer composites by silane functionalisation of carbonyl-iron particles. *Composites Part B: Engineering*, **2020**, 196, 108091	10	7
264	Direct 3D Printing of Highly Anisotropic, Flexible, Constriction-Resistive Sensors for Multidirectional Proprioception in Soft Robots. *ACS Applied Materials & Interfaces*, **2020**, 12, 15631-15643	9.5	59

263	Multifunctional MXene/natural rubber composite films with exceptional flexibility and durability. *Composites Part B: Engineering*, **2020**, 188, 107875	10	48
262	Strategies for Designing Stretchable Strain Sensors and Conductors. *Advanced Materials Technologies*, **2020**, 5, 1900908	6.8	42
261	A Review on Additive Manufacturing of Shape-Memory Materials for Biomedical Applications. *Jom*, **2020**, 72, 1229-1253	2.1	50
260	Fiber-Shaped Energy-Storage Devices: Recent Advances in Fiber-Shaped Supercapacitors and Lithium-Ion Batteries (Adv. Mater. 5/2020). *Advanced Materials*, **2020**, 32, 2070037	24	6
259	Multimodal Capacitive and Piezoresistive Sensor for Simultaneous Measurement of Multiple Forces. *ACS Applied Materials & Interfaces*, **2020**, 12, 22179-22190	9.5	32
258	Recent Advances in Fiber-Shaped Supercapacitors and Lithium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1902779	24	83
257	Analytical and numerical modelling of non-collinear wave mixing at a contact interface. *Journal of Sound and Vibration*, **2020**, 468, 115078	3.9	6
256	Multi-modal strain and temperature sensor by hybridizing reduced graphene oxide and PEDOT:PSS. *Composites Science and Technology*, **2020**, 187, 107959	8.6	25
255	Machine-learning assisted laser powder bed fusion process optimization for AlSi10Mg: New microstructure description indices and fracture mechanisms. *Acta Materialia*, **2020**, 201, 316-328	8.4	43
254	Highly sensitive, stretchable and durable strain sensors based on conductive double-network polymer hydrogels. *Journal of Polymer Science*, **2020**, 58, 3069-3081	2.4	13
253	Wearable Temperature Sensors with Enhanced Sensitivity by Engineering Microcrack Morphology in PEDOT:PSS-PDMS Sensors. *ACS Applied Materials & Interfaces*, **2020**, 12, 36578-36588	9.5	37
252	Electrocaloric effect in relaxor ferroelectric polymer nanocomposites for solid-state cooling. *Journal of Materials Chemistry A*, **2020**, 8, 16814-16830	13	7
251	E-Jacket: Posture Detection with Loose-Fitting Garment using a Novel Strain Sensor **2020**,		3
250	Enhancing the triboelectricity of stretchable electrospun piezoelectric polyvinylidene fluoride/boron nitride nanosheets composite nanofibers. *Composites Communications*, **2020**, 22, 100535	6.7	7
249	Biocompatible and Highly Stretchable PVA/AgNWs Hydrogel Strain Sensors for Human Motion Detection. *Advanced Materials Technologies*, **2020**, 5, 2000426	6.8	36
248	Nano-toughening of transparent wearable sensors with high sensitivity and a wide linear sensing range. *Journal of Materials Chemistry A*, **2020**, 8, 20531-20542	13	17
247	Phase structure dependence of magnetic behaviour in iron oxide nanorods. *Materials and Design*, **2020**, 185, 108241	8.1	16
246	Liquid Metal Droplet and Graphene Co-Fillers for Electrically Conductive Flexible Composites. *Small* , **2020**, 16, e1903753	11	53

245	MXene/chitosan nanocoating for flexible polyurethane foam towards remarkable fire hazards reductions. *Journal of Hazardous Materials*, **2020**, 381, 120952	12.8	112
244	Magnetic and Conductive Liquid Metal Gels. *ACS Applied Materials & Interfaces*, **2020**, 12, 20119-20128	8.5	40
243	Graphene platelets versus phosphorus compounds for elastomeric composites: flame retardancy, mechanical performance and mechanisms. *Nanotechnology*, **2019**, 30, 385703	3.4	20
242	Analytical and numerical modelling of wave scattering by a linear and nonlinear contact interface. *Journal of Sound and Vibration*, **2019**, 456, 431-453	3.9	9
241	Hierarchical mode I and mode II interlaminar toughening of Z-pinned composites using 1D and 2D carbon nanofillers. *Composites Part A: Applied Science and Manufacturing*, **2019**, 124, 105470	8.4	18
240	Stretchable Nanocomposite Conductors Enabled by 3D Segregated Dual-Filler Network. *Advanced Materials Technologies*, **2019**, 4, 1900060	6.8	18
239	Mechanically stretchable piezoelectric polyvinylidene fluoride (PVDF)/Boron nitride nanosheets (BNNSs) polymer nanocomposites. *Composites Part B: Engineering*, **2019**, 175, 107157	10	29
238	Liquid metal synthesis of two-dimensional aluminium oxide platelets to reinforce epoxy composites. *Composites Science and Technology*, **2019**, 181, 107708	8.6	11
237	Low-temperature plasma assisted growth of vertical graphene for enhancing carbon fibre/epoxy interfacial strength. *Composites Science and Technology*, **2019**, 184, 107867	8.6	18
236	Delamination fatigue resistant three-dimensional textile self-healing composites. *Composites Part A: Applied Science and Manufacturing*, **2019**, 127, 105626	8.4	16
235	Surface functionalisation of carbon nanofiber and barium titanate by polydopamine to enhance the energy storage density of their nanocomposites. *Composites Part B: Engineering*, **2019**, 178, 107459	10	23
234	Comprehensive pressure profiling to develop next-generation compression treatment for lymphedema: Testing efficacy of high resolution sensors. *Sensors and Actuators A: Physical*, **2019**, 289, 100-107	3.9	2
233	Mode II interlaminar delamination resistance and healing performance of 3D composites with hybrid z-fibre reinforcement. *Composites Part A: Applied Science and Manufacturing*, **2019**, 120, 21-32	8.4	11
232	Improving the gas barrier, mechanical and thermal properties of poly(vinyl alcohol) with molybdenum disulfide nanosheets. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 406-414	2.6	5
231	Synergistic mode II delamination toughening of composites using multi-scale carbon-based reinforcements. *Composites Part A: Applied Science and Manufacturing*, **2019**, 117, 103-115	8.4	22
230	Synergism of binary carbon nanofibres and graphene nanoplates in improving sensitivity and stability of stretchable strain sensors. *Composites Science and Technology*, **2019**, 172, 7-16	8.6	53
229	Modulated high frequency excitation approach to nonlinear ultrasonic NDT. *Journal of Sound and Vibration*, **2019**, 446, 238-248	3.9	9
228	Synergistic delamination toughening of composites using multi-scale carbon reinforcements. *Composites Part B: Engineering*, **2019**, 161, 18-28	10	18

227	Crashworthiness behavior of Koch fractal structures. *Materials and Design*, **2018**, 144, 229-244	8.1	69
226	Crashworthiness design of novel hierarchical hexagonal columns. *Composite Structures*, **2018**, 194, 36-48	5.3	77
225	Time reversal invariance for a nonlinear scatterer exhibiting contact acoustic nonlinearity. *Journal of Sound and Vibration*, **2018**, 417, 413-431	3.9	18
224	Fracture and fatigue behaviour of epoxy nanocomposites containing 1-D and 2-D nanoscale carbon fillers. *Engineering Fracture Mechanics*, **2018**, 203, 102-114	4.2	24
223	Increasing the fatigue resistance of epoxy nanocomposites by aligning graphene nanoplatelets. *International Journal of Fatigue*, **2018**, 113, 88-97	5	16
222	Biotechnologies toward Mitigating, Curing, and Ultimately Preventing Edema through Compression Therapy. *Trends in Biotechnology*, **2018**, 36, 537-548	15.1	9
221	Crushing analysis for novel bio-inspired hierarchical circular structures subjected to axial load. *International Journal of Mechanical Sciences*, **2018**, 140, 407-431	5.5	81
220	Development of flame-retarding elastomeric composites with high mechanical performance. *Composites Part A: Applied Science and Manufacturing*, **2018**, 109, 257-266	8.4	18
219	A novel indirect-drive regenerative shock absorber for energy harvesting and comparison with a conventional direct-drive regenerative shock absorber. *Applied Energy*, **2018**, 229, 111-127	10.7	21
218	Multi-scale toughening of epoxy composites via electric field alignment of carbon nanofibres and short carbon fibres. *Composites Science and Technology*, **2018**, 167, 115-125	8.6	40
217	Multifunctional Polymer Nanocomposites Reinforced by Aligned Carbon Nanomaterials. *Polymers*, **2018**, 10,	4.5	52
216	Crashworthiness of bionic fractal hierarchical structures. *Materials and Design*, **2018**, 158, 147-159	8.1	61
215	Stretchable strain sensors based on PDMS composites with cellulose sponges containing one- and two-dimensional nanocarbons. *Sensors and Actuators A: Physical*, **2018**, 279, 90-100	3.9	45
214	Rational Design of Ultrasensitive Pressure Sensors by Tailoring Microscopic Features. *Advanced Materials Interfaces*, **2018**, 5, 1800403	4.6	56
213	The electric field alignment of short carbon fibres to enhance the toughness of epoxy composites. *Composites Part A: Applied Science and Manufacturing*, **2018**, 106, 11-23	8.4	21
212	Thermal Degradation and Fire Properties of Fungal Mycelium and Mycelium - Biomass Composite Materials. *Scientific Reports*, **2018**, 8, 17583	4.9	45
211	Ultrasensitive and Stretchable Strain Sensors Based on Mazelike Vertical Graphene Network. *ACS Applied Materials & Interfaces*, **2018**, 10, 36312-36322	9.5	77
210	3D Printing: Rational Design of Ultrasensitive Pressure Sensors by Tailoring Microscopic Features (Adv. Mater. Interfaces 18/2018). *Advanced Materials Interfaces*, **2018**, 5, 1870088	4.6	4

209	Filling natural microtubules with triphenyl phosphate for flame-retarding polymer composites. *Composites Part A: Applied Science and Manufacturing*, **2018**, 115, 247-254	8.4	19
208	A cohesive network approach for modelling fibre and matrix damage in composite laminates. *Composite Structures*, **2018**, 206, 658-667	5.3	9
207	Waste-derived low-cost mycelium composite construction materials with improved fire safety. *Fire and Materials*, **2018**, 42, 816-825	1.8	55
206	Delamination toughening and healing performance of woven composites with hybrid z-fibre reinforcement. *Composites Part A: Applied Science and Manufacturing*, **2018**, 110, 258-267	8.4	29
205	The effect of dual-scale carbon fibre network on sensitivity and stretchability of wearable sensors. *Composites Science and Technology*, **2018**, 165, 131-139	8.6	26
204	Sensitivity and optimisation of the Chaboche plasticity model parameters in strain-life fatigue predictions. *Materials and Design*, **2017**, 118, 107-121	8.1	35
203	Time reversal invariance for a one-dimensional model of contact acoustic nonlinearity. *Journal of Sound and Vibration*, **2017**, 394, 515-526	3.9	8
202	Novel Electrically Conductive Porous PDMS/Carbon Nanofiber Composites for Deformable Strain Sensors and Conductors. *ACS Applied Materials & Interfaces*, **2017**, 9, 14207-14215	9.5	180
201	Aluminum Alloy 7075 Ratcheting and Plastic Shakedown Evaluation with the Multiplicative Armstrong□rederick Model. *AIAA Journal*, **2017**, 55, 2461-2470	2.1	14
200	On the utilisation of nonlinear plasticity models in military aircraft fatigue estimation: A preliminary comparison. *Aerospace Science and Technology*, **2017**, 71, 25-29	4.9	2
199	Ultrasonic detection and sizing of compressed cracks in glass- and carbon-fibre reinforced plastic composites. *NDT and E International*, **2017**, 92, 111-121	4.1	30
198	Aligning carbon nanofibres in glass-fibre/epoxy composites to improve interlaminar toughness and crack-detection capability. *Composites Science and Technology*, **2017**, 152, 46-56	8.6	43
197	Efficient Simulations of the Nonlinear Wave Modulation Induced by a Closed Crack Using Local Contact Modelling. *Procedia Engineering*, **2017**, 188, 201-208		1
196	Using Carbon Nanofibre Sensors for In-situ Detection and Monitoring of Disbonds in Bonded Composite Joints. *Procedia Engineering*, **2017**, 188, 362-368		3
195	Enhancing fatigue resistance and damage characterisation in adhesively-bonded composite joints by carbon nanofibres. *Composites Science and Technology*, **2017**, 149, 116-126	8.6	40
194	Effect of residual stress on the matrix fatigue cracking of rapidly cured epoxy/anhydride composites. *Composites Part A: Applied Science and Manufacturing*, **2017**, 101, 521-528	8.4	13
193	Higher harmonic generation of guided waves at delaminations in laminated composite beams. *Structural Health Monitoring*, **2017**, 16, 400-417	4.4	46
192	Quantitative fractography and modelling of fatigue crack propagation in high strength AerMet□ 100 steel repaired with a laser cladding process. *International Journal of Fatigue*, **2017**, 94, 288-301	5	30

191	The gust-mitigating potential of flapping wings. *Bioinspiration and Biomimetics*, **2016**, 11, 046010	2.6	17
190	Aerogels based on carbon nanomaterials. *Journal of Materials Science*, **2016**, 51, 9157-9189	4.3	61
189	A review of toroidal composite pressure vessel optimisation and damage tolerant design for high pressure gaseous fuel storage. *International Journal of Hydrogen Energy*, **2016**, 41, 22067-22089	6.7	21
188	Ultrasonic Imaging of a Crack Using Modified Time Reversal. *Applied Mechanics and Materials*, **2016**, 846, 553-558	0.3	
187	Bumblebees minimize control challenges by combining active and passive modes in unsteady winds. *Scientific Reports*, **2016**, 6, 35043	4.9	28
186	Multi-scale toughening of fibre composites using carbon nanofibres and z-pins. *Composites Science and Technology*, **2016**, 131, 98-109	8.6	57
185	Out-of-plane crashworthiness of bio-inspired self-similar regular hierarchical honeycombs. *Composite Structures*, **2016**, 144, 1-13	5.3	109
184	Closure measurement and analysis for small cracks from natural discontinuities in an aluminium alloy. *International Journal of Fatigue*, **2016**, 82, 256-262	5	12
183	Multifunctional properties of epoxy nanocomposites reinforced by aligned nanoscale carbon. *Materials and Design*, **2016**, 94, 554-564	8.1	63
182	Fatigue and fracture behavior of laser clad repair of AerMet□ 100 ultra-high strength steel. *International Journal of Fatigue*, **2016**, 85, 18-30	5	48
181	Hybrid polymer composites for high strain rate applications **2016**, 121-163		1
180	Ply-interleaving technique for joining hybrid carbon/glass fibre composite materials. *Composites Part A: Applied Science and Manufacturing*, **2016**, 84, 134-146	8.4	16
179	A hybrid embedded cohesive element method for predicting matrix cracking in composites. *Composite Structures*, **2016**, 136, 554-565	5.3	13
178	Failure criteria **2016**, 21-45		2
177	Design of scarf and doubler-scarf joints **2016**, 83-112		2
176	Damage tolerance and fatigue durability of scarf joints **2016**, 141-172		
175	Design and optimization of scarf repairs **2016**, 211-239		
174	Repair manufacturing processes **2016**, 243-264		0

173	Bonded Joints and Repairs to Composite Airframe Structures **2016**,		2
172	Closed crack imaging using time reversal method based on fundamental and second harmonic scattering. *Wave Motion*, **2016**, 66, 156-176	1.8	26
171	Ply-overlap hybrid technique for joining dissimilar composite materials. *Materials and Design*, **2016**, 100, 157-167	8.1	11
170	A novel route for tethering graphene with iron oxide and its magnetic field alignment in polymer nanocomposites. *Polymer*, **2016**, 97, 273-284	3.9	30
169	A comparison and extensions of algorithms for quantitative imaging of laminar damage in plates. II. Non-monopole scattering and noise tolerance. *Wave Motion*, **2016**, 66, 220-237	1.8	13
168	Strain Sensors with Adjustable Sensitivity by Tailoring the Microstructure of Graphene Aerogel/PDMS Nanocomposites. *ACS Applied Materials & Interfaces*, **2016**, 8, 24853-61	9.5	148
167	The answer is blowing in the wind: free-flying honeybees can integrate visual and mechano-sensory inputs for making complex foraging decisions. *Journal of Experimental Biology*, **2016**, 219, 3465-3472	3	12
166	Rapidly cured epoxy/anhydride composites: Effect of residual stress on laminate shear strength. *Composites Part A: Applied Science and Manufacturing*, **2016**, 90, 125-136	8.4	30
165	Inverse methods for quantitative assessment of delamination damage based on vibrational response. *Structural Health Monitoring*, **2015**, 14, 411-425	4.4	2
164	Aligning multilayer graphene flakes with an external electric field to improve multifunctional properties of epoxy nanocomposites. *Carbon*, **2015**, 94, 607-618	10.4	214
163	Predicting the strength of adhesively bonded joints of variable thickness using a cohesive element approach. *International Journal of Adhesion and Adhesives*, **2015**, 58, 44-52	3.4	15
162	Improving the toughness and electrical conductivity of epoxy nanocomposites by using aligned carbon nanofibres. *Composites Science and Technology*, **2015**, 117, 146-158	8.6	114
161	Scaling parameter for fatigue delamination growth in composites under varying load ratios. *Composites Science and Technology*, **2015**, 120, 39-48	8.6	42
160	Stepped Flush Repairs for Primary Composite Structures **2015**, 91, 95-112		31
159	Improving the through-thickness thermal and electrical conductivity of carbon fibre/epoxy laminates by exploiting synergy between graphene and silver nano-inclusions. *Composites Part A: Applied Science and Manufacturing*, **2015**, 69, 72-82	8.4	144
158	A Roadmap for Aviation Research in Australia **2015**, 1-9		
157	Epoxy nanocomposites containing magnetite-carbon nanofibers aligned using a weak magnetic field. *Polymer*, **2015**, 68, 25-34	3.9	75
156	A comparison and extensions of algorithms for quantitative imaging of laminar damage in plates. I. Point spread functions and near field imaging. *Wave Motion*, **2015**, 58, 222-243	1.8	23

155	Plasticity induced crack closure in adhesively bonded joints under fatigue loading. *International Journal of Fatigue*, **2015**, 70, 440-450	5	10
154	An extended diffraction tomography method for quantifying structural damage using numerical Green's functions. *Ultrasonics*, **2015**, 59, 1-13	3.5	28
153	Nanosilica-toughened polymer adhesives. *Materials & Design*, **2014**, 61, 75-86		36
152	Development of polymer composites using modified, high-structural integrity graphene platelets. *Composites Science and Technology*, **2014**, 91, 82-90	8.6	113
151	Magnetic and mechanical properties of polyvinyl alcohol (PVA) nanocomposites with hybrid nanofillers Graphene oxide tethered with magnetic Fe3O4 nanoparticles. *Chemical Engineering Journal*, **2014**, 237, 462-468	14.7	55
150	Fatigue Crack Closure due to Surface Roughness and Plastic Deformation. *Advanced Materials Research*, **2014**, 891-892, 319-324	0.5	4
149	Effect of interface modification on PMMA/graphene nanocomposites. *Journal of Materials Science*, **2014**, 49, 5838-5849	4.3	27
148	Modelling complex progressive failure in notched composite laminates with varying sizes and stacking sequences. *Composites Part A: Applied Science and Manufacturing*, **2014**, 58, 16-23	8.4	89
147	Processable 3-nm thick graphene platelets of high electrical conductivity and their epoxy composites. *Nanotechnology*, **2014**, 25, 125707	3.4	96
146	Mechanical properties of mendable composites containing self-healing thermoplastic agents. *Composites Part A: Applied Science and Manufacturing*, **2014**, 65, 10-18	8.4	37
145	Mechanical Properties of Self-Healing Carbon Fiber-Epoxy Composite Stitched with Mendable Polymer Fiber. *Polymers and Polymer Composites*, **2014**, 22, 329-336	0.8	6
144	A slot spiral in carbon-fibre composite laminate as a conformal load-bearing antenna. *Journal of Intelligent Material Systems and Structures*, **2014**, 25, 1295-1305	2.3	11
143	Effect of Incipient Heat Damage on the Fatigue Properties of Aircraft Composites. *Advanced Materials Research*, **2014**, 891-892, 1810-1815	0.5	
142	Effects of mechanical deformation on electric performance of rechargeable batteries embedded in load carrying composite structures. *Plastics, Rubber and Composites*, **2014**, 43, 98-104	1.5	17
141	Nondestructive Evaluation of Mechanically Loaded Advanced Marine Composite Structures. *Advanced Materials Research*, **2014**, 891-892, 594-599	0.5	4
140	Quality factor effect on the wireless range of microstrip patch antenna strain sensors. *Sensors*, **2014**, 14, 595-605	3.8	24
139	Effect of Disbonds on the Fatigue Endurance of Composite Scarf Joints. *Advanced Materials Research*, **2014**, 891-892, 191-196	0.5	4
138	Healing of fatigue delamination cracks in carbon epoxy composite using mendable polymer stitching. *Journal of Intelligent Material Systems and Structures*, **2014**, 25, 75-86	2.3	19

137	The Influence of Orthotropy and Taper Angle on the Compressive Strength of Composite Laminates with Scarfed Holes. *Advanced Materials Research*, **2014**, 891-892, 178-184	0.5	
136	Toughening polymer adhesives using nanosized elastomeric particles. *Journal of Materials Research* , **2014**, 29, 665-674	2.5	25
135	Thermoplastic Healing in Epoxy Networks: Exploring Performance and Mechanism of Alternative Healing Agents. *Macromolecular Materials and Engineering*, **2013**, 298, 1232-1242	3.9	38
134	Effect of mendable polymer stitch density on the toughening and healing of delamination cracks in carbon–epoxy laminates. *Composites Part A: Applied Science and Manufacturing*, **2013**, 50, 22-30	8.4	27
133	Effects of bondline flaws on the damage tolerance of composite scarf joints. *Composites Part A: Applied Science and Manufacturing*, **2013**, 55, 110-119	8.4	52
132	Thermally mendable epoxy resin strengthened with carbon nanofibres. *Composites Part A: Applied Science and Manufacturing*, **2013**, 55, 45-52	8.4	5
131	Improving the bending strength and energy absorption of corrugated sandwich composite structure. *Materials & Design*, **2013**, 52, 767-773		68
130	Effects of adherend thickness and taper on adhesive bond strength measured by portable pull-off tests. *International Journal of Adhesion and Adhesives*, **2013**, 44, 259-268	3.4	18
129	A SPIRAL SHAPED SLOT AS A BROAD-BAND SLOTTED WAVEGUIDE ANTENNA. *Progress in Electromagnetics Research*, **2013**, 139, 177-192	3.8	2
128	Healing of carbon fibre–epoxy composites using thermoplastic additives. *Polymer Chemistry*, **2013**, 4, 5007	4.9	50
127	Ultrasonic activation of mendable polymer for self-healing carbon–epoxy laminates. *Composites Part B: Engineering*, **2013**, 45, 1031-1039	10	34
126	Healing of carbon fibre–epoxy composite T-joints using mendable polymer fibre stitching. *Composites Part B: Engineering*, **2013**, 45, 1499-1507	10	43
125	Dual field finite element simulations of piezo-patches on fabrics: a parametric study **2013**,		1
124	Imaging Damage Using Mixed Passive and Active Sensors. *Key Engineering Materials*, **2013**, 558, 244-251	0.4	7
123	Biomimetic Design of Lightweight Vehicle Structures Based on Animal Bone Properties. *Advanced Materials Research*, **2013**, 633, 3-14	0.5	2
122	Predictive models for stable tearing crack growth due to overloading in fatigue. *Fatigue and Fracture of Engineering Materials and Structures*, **2013**, 36, 492-503	3	
121	SUBWAVELENGTH SPIRAL SLOTTED WAVEGUIDE ANTENNA. *Progress in Electromagnetics Research C*, **2013**, 45, 265-279	0.9	0
120	A Review of Passive Wireless Sensors for Structural Health Monitoring. *Modern Applied Science*, **2013**, 7,	1.3	50

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