Lin Ye

List of Publications by Citations

377 papers	14,258 citations	58 h-index	103 g-index
406 ext. papers	16,006 ext. citations	4.4 avg, IF	6.73 L-index

#	Paper	IF	Citations
377	Guided Lamb waves for identification of damage in composite structures: A review. *Journal of Sound and Vibration*, **2006**, 295, 753-780	3.9	947
376	Sisal fibre and its composites: a review of recent developments. *Composites Science and Technology*, **2000**, 60, 2037-2055	8.6	825
375	Laser shock processing and its effects on microstructure and properties of metal alloys: a review. *International Journal of Fatigue*, **2002**, 24, 1021-1036	5	751
374	Fabrication of highly-aligned, conductive, and strong graphene papers using ultralarge graphene oxide sheets. *ACS Nano*, **2012**, 6, 10708-19	16.7	282
373	Advances in fusion bonding techniques for joining thermoplastic matrix composites: a review. *Composites Part A: Applied Science and Manufacturing*, **2001**, 32, 839-857	8.4	268
372	Identification of Damage Using Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**,	0.3	263
371	High impact strength epoxy nanocomposites with natural nanotubes. *Polymer*, **2007**, 48, 6426-6433	3.9	262
370	Application of plasma technologies in fibre-reinforced polymer composites: a review of recent developments. *Composites Part A: Applied Science and Manufacturing*, **1997**, 28, 73-86	8.4	253
369	Toughening epoxies with halloysite nanotubes. *Polymer*, **2008**, 49, 5119-5127	3.9	214
368	A toughened epoxy resin by silica nanoparticle reinforcement. *Journal of Applied Polymer Science*, **2006**, 100, 1849-1855	2.9	188
367	Tribological properties of high temperature resistant polymer composites with fine particles. *Tribology International*, **2007**, 40, 1170-1178	4.9	152
366	Simultaneous improvements in the cryogenic tensile strength, ductility and impact strength of epoxy resins by a hyperbranched polymer. *Polymer*, **2008**, 49, 3168-3175	3.9	149
365	Mechanical properties of wood flake polyethylene composites. Part I: effects of processing methods and matrix melt flow behaviour. *Composites Part A: Applied Science and Manufacturing*, **2001**, 32, 619-629	8.4	147
364	Fracture mechanisms of epoxy-based ternary composites filled with rigid-soft particles. *Composites Science and Technology*, **2012**, 72, 558-565	8.6	134
363	Role of matrix resin in delamination onset and growth in composite laminates. *Composites Science and Technology*, **1988**, 33, 257-277	8.6	134
362	Halloysite epoxy nanocomposites with improved particle dispersion through ball mill homogenisation and chemical treatments. *Composites Science and Technology*, **2009**, 69, 2497-2505	8.6	133
361	Cryogenic properties of SiO2/epoxy nanocomposites. *Cryogenics*, **2005**, 45, 450-454	1.8	118

360	Effects of unfolded and intercalated halloysites on mechanical properties of halloysite–epoxy nanocomposites. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 345-354	8.4	116
359	Quantitative assessment of through-thickness crack size based on Lamb wave scattering in aluminium plates. *NDT and E International*, **2008**, 41, 59-68	4.1	116
358	Functionalized composite structures for new generation airframes: a review. *Composites Science and Technology*, **2005**, 65, 1436-1446	8.6	115
357	Low-velocity impact response of composite sandwich structures: Modelling and experiment. *Composite Structures*, **2017**, 168, 322-334	5.3	113
356	Interlaminar fracture toughness and CAI strength of fibre-reinforced composites with nanoparticles – A review. *Composites Science and Technology*, **2013**, 86, 26-37	8.6	113
355	Thermoplastic–epoxy interactions and their potential applications in joining composite structures – A review. *Composites Part A: Applied Science and Manufacturing*, **2015**, 68, 121-132	8.4	106
354	Simultaneously increasing cryogenic strength, ductility and impact resistance of epoxy resins modified by n-butyl glycidyl ether. *Polymer*, **2009**, 50, 1316-1323	3.9	106
353	Lamb wave-based quantitative identification of delamination in CF/EP composite structures using artificial neural algorithm. *Composite Structures*, **2004**, 66, 627-637	5.3	105
352	Mechanical properties of wood flake–polyethylene composites. II. Interface modification. *Journal of Applied Polymer Science*, **2002**, 83, 2505-2521	2.9	104
351	Consolidation of unidirectional CF/PEEK composites from commingled yarn prepreg. *Composites Science and Technology*, **1995**, 54, 349-358	8.6	101
350	Evaluation and visualization of the percolating networks in multi-wall carbon nanotube/epoxy composites. *Journal of Materials Science*, **2009**, 44, 4003-4012	4.3	98
349	Tribological properties of epoxy nanocomposites. *Wear*, **2007**, 262, 699-706	3.5	98
348	Fracture behaviours of epoxy nanocomposites with nano-silica at low and elevated temperatures. *Journal of Materials Science*, **2007**, 42, 2766-2774	4.3	94
347	Probabilistic Damage Identification Based on Correlation Analysis Using Guided Wave Signals in Aluminum Plates. *Structural Health Monitoring*, **2010**, 9, 133-144	4.4	92
346	Temperature-dependent elastic moduli of epoxies measured by DMA and their correlations to mechanical testing data. *Polymer Testing*, **2007**, 26, 803-813	4.5	92
345	Crack identification in aluminium plates using Lamb wave signals of a PZT sensor network. *Smart Materials and Structures*, **2006**, 15, 839-849	3.4	84
344	Mechanical properties and toughening mechanisms of polypropylene/barium sulfate composites. *Composites Part A: Applied Science and Manufacturing*, **2003**, 34, 1199-1205	8.4	82
343	Some aspects of numerical simulation for Lamb wave propagation in composite laminates. *Composite Structures*, **2006**, 75, 267-275	5.3	81

342	Abuilt-inactive sensor network for health monitoring of composite structures. *Smart Materials and Structures*, **2006**, 15, 1939-1949	3.4	79
341	Simulation of multiple laser shock peening of a 35CD4 steel alloy. *Journal of Materials Processing Technology*, **2006**, 178, 162-169	5.3	79
340	Geometrical effects on residual stresses in 7050-T7451 aluminum alloy rods subject to laser shock peening. *Journal of Materials Processing Technology*, **2008**, 201, 303-309	5.3	77
339	A damage identification technique for CF/EP composite laminates using distributed piezoelectric transducers. *Composite Structures*, **2002**, 57, 465-471	5.3	77
338	Effects of fibre surface treatment on fracture-mechanical properties of sisal-fibre composites. *Composite Interfaces*, **2005**, 12, 141-163	2.3	73
337	Probability of the presence of damage estimated from an active sensor network in a composite panel of multiple stiffeners. *Composites Science and Technology*, **2009**, 69, 2054-2063	8.6	72
336	The effect of adhesive bonding between aluminum and composite prepreg on the mechanical properties of carbon-fiber-reinforced metal laminates. *Composites Science and Technology*, **1997**, 57, 35-45	8.6	71
335	Investigation on diffusion bonding characteristics of SiC particulate reinforced aluminium metal matrix composites (Al/SiCp-MMC). *Composites Part A: Applied Science and Manufacturing*, **1999**, 30, 1415-1421	8.4	71
334	The role of viscoelastic properties in strain testing using microstructured polymer optical fibres (mPOF). *Measurement Science and Technology*, **2009**, 20, 034014	2	70
333	Assessment of debonding in sandwich CF/EP composite beams using A0 Lamb wave at low frequency. *Composite Structures*, **2011**, 93, 483-491	5.3	68
332	Wavelet Transform-based Higher-order Statistics for Fault Diagnosis in Rolling Element Bearings. *JVC/Journal of Vibration and Control*, **2008**, 14, 1691-1709	2	68
331	Low-velocity impact behaviour of a shear thickening fluid (STF) and STF-filled sandwich composite panels. *Composites Science and Technology*, **2018**, 165, 74-83	8.6	67
330	Epoxy/Silica Nanocomposites: Nanoparticle-Induced Cure Kinetics and Microstructure. *Macromolecular Rapid Communications*, **2007**, 28, 121-126	4.8	67
329	Experimental investigation of the resistance welding for thermoplastic-matrix composites. Part I: heating element and heat transfer. *Composites Science and Technology*, **2000**, 60, 1027-1039	8.6	67
328	CF/EP composite laminates with carbon black and copper chloride for improved electrical conductivity and interlaminar fracture toughness. *Composites Science and Technology*, **2012**, 72, 412-420	8.6	64
327	Interlaminar fracture toughness of CF/PEI composites at elevated temperatures: roles of matrix toughness and fibre/matrix adhesion. *Composites Part A: Applied Science and Manufacturing*, **2004**, 35, 477-487	8.4	63
326	Evaluation of barely visible indentation damage (BVID) in CF/EP sandwich composites using guided wave signals. *Mechanical Systems and Signal Processing*, **2016**, 76-77, 497-517	7.8	63
325	Lamb Wave Propagation-based Damage Identification for Quasi-isotropic CF/EP Composite Laminates Using Artificial Neural Algorithm: Part I - Methodology and Database Development. *Journal of Intelligent Material Systems and Structures*, **2005**, 16, 97-111	2.3	61

324	An Experimental Study of Resistance Welding of Carbon Fibre Fabric Reinforced Polyetherimide (CF Fabric/PEI) Composite Material. *Applied Composite Materials*, **1999**, 6, 35-49	2	60
323	3D printed continuous CF/PA6 composites: Effect of microscopic voids on mechanical performance. *Composites Science and Technology*, **2020**, 191, 108077	8.6	58
322	The effects of processing and organoclay properties on the structure of poly(methyl methacrylate)–clay nanocomposites. *Polymer*, **2006**, 47, 6337-6361	3.9	58
321	Influence of fibre distribution on the transverse flow permeability in fibre bundles. *Composites Science and Technology*, **2003**, 63, 2069-2079	8.6	58
320	Damage localization in composite lattice truss core sandwich structures based on vibration characteristics. *Composite Structures*, **2015**, 126, 34-51	5.3	57
319	Assessment of delamination in composite beams using shear horizontal (SH) wave mode. *Composites Science and Technology*, **2007**, 67, 244-251	8.6	57
318	Impregnation and Consolidation in Composites Made of GF/PP Powder Impregnated Bundles. *Journal of Thermoplastic Composite Materials*, **1992**, 5, 32-48	1.9	56
317	Characterization of transverse tensile, interlaminar shear and interlaminate fracture in CF/EP laminates with 10wt% and 20wt% silica nanoparticles in matrix resins. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 1943-1950	8.4	55
316	Simulation of temperature and curing profiles in pultruded composite rods. *Composites Science and Technology*, **1998**, 58, 191-197	8.6	54
315	Influences of processing methods and chemical treatments on fracture toughness of halloysite–epoxy composites. *Materials & Design*, **2012**, 42, 471-477		53
314	Optimal design of porous structures for the fastest liquid absorption. *Langmuir*, **2014**, 30, 149-55	4	52
313	Artificial Neural Network (ANN)-based Crack Identification in Aluminum Plates with Lamb Wave Signals. *Journal of Intelligent Material Systems and Structures*, **2009**, 20, 39-49	2.3	52
312	Experiments to relate carbon-fibre surface treatments to composite mechanical properties. *Composites Science and Technology*, **1999**, 59, 2101-2113	8.6	52
311	An Effective Crack Growth Model for Residual Strength Evaluation of Composite Laminates with Circular Holes. *Journal of Composite Materials*, **1996**, 30, 142-163	2.7	52
310	Mode I interlaminar fracture of co-mingled yarn based glass/polypropylene composites. *Composites Science and Technology*, **1993**, 46, 187-198	8.6	52
309	Characteristics of resistance welding of lap shear coupons. Part I: Heat transfer. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 899-909	8.4	50
308	Resistance welding of carbon fibre reinforced thermoplastic composite using alternative heating element. *Composite Structures*, **1999**, 47, 667-672	5.3	50
307	Guided waves for damage detection in rebar-reinforced concrete beams. *Construction and Building Materials*, **2013**, 47, 370-378	6.7	49

306	Resistance Welding of Metal/Thermoplastic Composite Joints. *Journal of Thermoplastic Composite Materials*, **2001**, 14, 449-475	1.9	49
305	Mode-I Fracture Behaviour of Adhesive Joints. Part I. Relationship Between Fracture Energy and Bond Thickness **1995**, 53, 149-162		49
304	Geometry-induced asymmetric capillary flow. *Langmuir*, **2014**, 30, 5448-54	4	48
303	Consolidation of GF/PP commingled yarn composites. *Applied Composite Materials*, **1995**, 1, 415-429	2	48
302	Assessment of transverse impact damage in GF/EP laminates of conductive nanoparticles using electrical resistivity tomography. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 1587-1598	8.4	47
301	Effects of fibre/matrix adhesion on carbon-fibre-reinforced metal laminates□. impact behaviour. *Composites Science and Technology*, **1998**, 57, 1621-1628	8.6	47
300	Hydrophobicity of model surfaces with closely packed nano- and micro-spheres. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 296, 123-131	5.1	47
299	Resistance welding of thermosetting composite/thermoplastic composite joints. *Composites Part A: Applied Science and Manufacturing*, **2001**, 32, 1603-1612	8.4	47
298	Effect of nanoparticles on interfacial properties of carbon fibre□poxy composites. *Composites Part A: Applied Science and Manufacturing*, **2013**, 55, 35-44	8.4	46
297	A correlation filtering-based matching pursuit (CF-MP) for damage identification using Lamb waves. *Smart Materials and Structures*, **2006**, 15, 1585-1594	3.4	46
296	Hydrophobicity of model surfaces with loosely packed polystyrene spheres after plasma etching. *Journal of Physical Chemistry B*, **2006**, 110, 11241-6	3.4	46
295	Impact Strength and Crystallization Behavior of Nano-SiOx/Poly(phenylene sulfide) (PPS) Composites with Heat-Treated PPS. *Macromolecular Materials and Engineering*, **2003**, 288, 693-698	3.9	46
294	Evaluation of fibre tensile strength and fibre/matrix adhesion using single fibre fragmentation tests. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 423-434	8.4	45
293	Quantitative evaluation of crack orientation in aluminium plates based on Lamb waves. *Smart Materials and Structures*, **2007**, 16, 1907-1914	3.4	45
292	Synthesis and curing of hyperbranched poly(triazole)s with click polymerization for improved adhesion strength. *ACS Applied Materials & Interfaces*, **2010**, 2, 566-74	9.5	44
291	Debonding Detection in Composite Sandwich Structures Based on Guided Waves. *AIAA Journal*, **2012**, 50, 1697-1706	2.1	43
290	Super hydrophobic property of PVDF/CaCO3 nanocomposite coatings. *Journal of Materials Science Letters*, **2003**, 22, 1713-1717		43
289	Lamb Wave Propagation-based Damage Identification for Quasi-isotropic CF/EP Composite Laminates Using Artificial Neural Algorithm: Part II - Implementation and Validation. *Journal of Intelligent Material Systems and Structures*, **2005**, 16, 113-125	2.3	43

288	A statistical model of residual strength and fatigue life of composite laminates. *Composites Science and Technology*, **1995**, 54, 329-336	8.6	43
287	Anisotropy in tribological performances of long aligned carbon nanotubes/polymer composites. *Carbon*, **2014**, 67, 38-47	10.4	42
286	Multi-objective optimization for designing a composite sandwich structure under normal and 45° impact loadings. *Composites Part B: Engineering*, **2018**, 142, 159-170	10	41
285	Damage detection in rebar-reinforced concrete beams based on time reversal of guided waves. *Structural Health Monitoring*, **2014**, 13, 347-358	4.4	41
284	A damage diagnostic imaging algorithm based on the quantitative comparison of Lamb wave signals. *Smart Materials and Structures*, **2010**, 19, 065008	3.4	41
283	A Probabilistic Diagnostic Algorithm for Identification of Multiple Notches Using Digital Damage Fingerprints (DDFs). *Journal of Intelligent Material Systems and Structures*, **2009**, 20, 1439-1450	2.3	41
282	Optimal Mother Wavelet Selection for Lamb Wave Analyses. *Journal of Intelligent Material Systems and Structures*, **2009**, 20, 1147-1161	2.3	40
281	A micromechanical compaction model for woven fabric preforms. Part II: Multilayer. *Composites Science and Technology*, **2006**, 66, 3263-3272	8.6	40
280	An intelligent signal processing and pattern recognition technique for defect identification using an active sensor network. *Smart Materials and Structures*, **2004**, 13, 957-969	3.4	40
279	Evaluation of Mode-I interlaminar fracture toughness for fiber-reinforced composite materials. *Composites Science and Technology*, **1992**, 43, 49-54	8.6	40
278	Active control of a flexible smart beam using a system identification technique based on ARMAX. *Smart Materials and Structures*, **2003**, 12, 845-850	3.4	39
277	Influence of Fiber-Matrix Adhesion on Mechanical Properties of Graphite/Epoxy Composites: II. Interlaminar Fracture and Inplane Shear Behavior. *Journal of Reinforced Plastics and Composites*, **1999**, 18, 1041-1057	2.9	39
276	Sensitivity of fundamental mode shape and static deflection for damage identification in cantilever beams. *Mechanical Systems and Signal Processing*, **2011**, 25, 630-643	7.8	38
275	Vibration characteristics of electrorheological elastomer sandwich beams. *Smart Materials and Structures*, **2011**, 20, 055012	3.4	37
274	Progressive Damage and Residual Strength of a Carbon Fibre Reinforced Metal Laminate. *Journal of Composite Materials*, **1997**, 31, 762-787	2.7	37
273	A Study on Polymer Composite Strengthening Systems for Concrete Columns. *Applied Composite Materials*, **2000**, 7, 125-138	2	37
272	Silicone rubber nanocomposites containing a small amount of hybrid fillers with enhanced electrical sensitivity. *Materials & Design*, **2013**, 45, 548-554		36
271	Intra-ply shear locking in finite element analyses of woven fabric forming processes. *Composites Part A: Applied Science and Manufacturing*, **2006**, 37, 790-803	8.4	36

270	Behaviour of concrete beam□column connections reinforced with hybrid FRP sheet. *Composite Structures*, **2002**, 57, 357-365	5.3	36
269	Effects of substrate materials on fracture toughness measurement in adhesive joints. *International Journal of Mechanical Sciences*, **2001**, 43, 2091-2102	5.5	36
268	Nanoindentation and thermal study of polyvinylalcohol/graphene oxide nanocomposite film through organic/inorganic assembly. *Applied Surface Science*, **2015**, 349, 27-34	6.7	35
267	Gas transport properties of electrospun polymer nanofibers. *Polymer*, **2014**, 55, 3149-3155	3.9	35
266	Shear-thickening behaviour of concentrated polymer dispersions under steady and oscillatory shear. *Journal of Materials Science*, **2011**, 46, 339-346	4.3	35
265	Permeability Predictions for Woven Fabric Preforms. *Journal of Composite Materials*, **2010**, 44, 1569-1586	2.7	35
264	Effects of pre-cracking methods on fracture behaviour of an Araldite-F epoxy and its rubber-modified systems. *Journal of Materials Science*, **1998**, 33, 2831-2836	4.3	35
263	On the fracture mechanical behaviour of fibre reinforced metal laminates (FRMLs). *Computer Methods in Applied Mechanics and Engineering*, **2000**, 185, 173-190	5.7	35
262	Propagation behaviour of guided waves in tapered sandwich structures and debonding identification using time reversal. *Wave Motion*, **2015**, 57, 154-170	1.8	34
261	De-consolidation and re-consolidation in CF/PPS thermoplastic matrix composites. *Composites Part A: Applied Science and Manufacturing*, **2005**, 36, 915-922	8.4	34
260	A micromechanical compaction model for woven fabric preforms. Part I: Single layer. *Composites Science and Technology*, **2006**, 66, 3254-3262	8.6	34
259	Identification of dual notches based on time-reversal lamb waves and a damage diagnostic imaging algorithm. *Journal of Intelligent Material Systems and Structures*, **2011**, 22, 1983-1992	2.3	33
258	Mixed-Mode Fracture of Adhesively Bonded CF/Epoxy Composite Joints. *Journal of Composite Materials*, **1996**, 30, 1248-1265	2.7	33
257	Numerical and experimental studies on the fracture behavior of rubber-toughened epoxy in bulk specimen and laminated composites. *Journal of Materials Science*, **2002**, 37, 921-927	4.3	33
256	Thermal de-consolidation of thermoplastic matrix composites□ Growth of voids. *Composites Science and Technology*, **2002**, 62, 2121-2130	8.6	32
255	Influence of Fiber-Matrix Adhesion on Mechanical Properties of Graphite/Epoxy Composites: I. Tensile, Flexure, and Fatigue Properties. *Journal of Reinforced Plastics and Composites*, **1999**, 18, 1021-1040	2.8	32
254	Personal thermal management by thermally conductive composites: A review. *Composites Communications*, **2021**, 23, 100595	6.7	32
253	Analysis of internal stresses induced by strain recovery in a single SMA fiber□matrix composite. *Composites Part B: Engineering*, **2011**, 42, 1135-1143	10	31

252	Characteristics of resistance welding of lap shear coupons.. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 911-919	8.4	31
251	Progressive failure analysis for advanced grid stiffened composite plates/shells. *Composite Structures*, **2008**, 86, 45-54	5.3	31
250	Closed Loop Finite Element Modeling of Piezoelectric Smart Structures. *Shock and Vibration*, **2006**, 13, 1-12	1.1	31
249	Failure mechanisms of laminated composites subjected to static indentation. *Composite Structures*, **2006**, 75, 489-495	5.3	31
248	Role of cooling pressure on interlaminar fracture properties of commingled CF/PEEK composites. *Composites Part A: Applied Science and Manufacturing*, **1996**, 27, 175-182	8.4	31
247	Vibration analysis of a stepped laminated composite Timoshenko beam. *Mechanics Research Communications*, **2005**, 32, 572-581	2.2	30
246	Assessment of interfacial bonding between polymer threads and epoxy resin by transverse fibre bundle (TFB) tests. *Composites Part A: Applied Science and Manufacturing*, **2009**, 40, 1698-1707	8.4	29
245	Static and vibration compaction and microstructure analysis on plain-woven textile fabrics. *Composites Part A: Applied Science and Manufacturing*, **2008**, 39, 488-502	8.4	29
244	Effect of Bond Thickness on Fracture Behaviour in Adhesive Joints **2001**, 75, 27-44		29
243	Influence of fibre cross-sectional aspect ratio on mechanical properties of glass fibre/epoxy composites I. Tensile and flexure behaviour. *Composites Science and Technology*, **1999**, 59, 1331-1339	8.6	29
242	Leaky and non-leaky behaviours of guided waves in CF/EP sandwich structures. *Wave Motion*, **2014**, 51, 905-918	1.8	28
241	Enhanced charge storage by the electrocatalytic effect of anodic TiO nanotubes. *Nanoscale*, **2011**, 3, 4174-81	7.7	28
240	Multilevel Decision Fusion in a Distributed Active Sensor Network for Structural Damage Detection. *Structural Health Monitoring*, **2006**, 5, 45-58	4.4	28
239	Rate-effect on fracture behavior of core-shell-rubber (CSR)-modified epoxies. *Polymer Engineering and Science*, **2000**, 40, 70-81	2.3	28
238	Role of rigid nanoparticles and CTBN rubber in the toughening of epoxies with different cross-linking densities. *Composites Part A: Applied Science and Manufacturing*, **2016**, 80, 82-94	8.4	27
237	Transverse permeability determination of dual-scale fibrous materials. *International Journal of Heat and Mass Transfer*, **2013**, 58, 532-539	4.9	27
236	Thermal de-consolidation of thermoplastic matrix composites I. Migration of voids and de-consolidation *Composites Science and Technology*, **2004**, 64, 191-202	8.6	27
235	Study on the Transfer Film Layer in Sliding Contact Between Polymer Composites and Steel Disks Using Nanoindentation. *Journal of Tribology*, **2014**, 136,	1.8	26

234	Time-domain Analyses and Correlations of Lamb Wave Signals for Damage Detection in a Composite Panel of Multiple Stiffeners. *Journal of Composite Materials*, **2009**, 43, 3211-3230	2.7	26
233	Fatigue behaviour of CF/PEEK composite laminates made from commingled prepreg. Part I: experimental studies. *Composites Part A: Applied Science and Manufacturing*, **1997**, 28, 739-747	8.4	26
232	Modelling mechanical properties of core□shell rubber-modified epoxies. *Acta Materialia*, **2000**, 48, 579-586	8.4	26
231	Measurement of interfacial shear strength of carbon fibre/epoxy composites using a single fibre pull-out test. *Advanced Composite Materials*, **1998**, 7, 169-182	2.8	26
230	Modelling of lightning strike damage to CFRP composites with an advanced protection system. Part I: Thermal□electrical transition. *Composite Structures*, **2017**, 165, 83-90	5.3	25
229	Interlaminar fracture of CF/EP composite containing a dual-component microencapsulated self-healant. *Composites Part A: Applied Science and Manufacturing*, **2016**, 82, 226-234	8.4	25
228	Some insights into effects of nanoparticles on sliding wear performance of epoxy nanocomposites. *Wear*, **2013**, 304, 138-143	3.5	25
227	Dispersion analysis of Lamb waves and damage detection for aluminum structures using ridge in the time-scale domain. *Measurement Science and Technology*, **2009**, 20, 095704	2	25
226	Effect of fibre/matrix adhesion on residual strength of notched composite laminates. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 1525-1533	8.4	25
225	Evaluation of elastic properties of 3-D (4-step) regular braided composites by a homogenisation method. *Composite Structures*, **1999**, 47, 477-482	5.3	25
224	Mesostructural aspects of interlaminar fracture in thermoplastic composites: Is crystallinity a key?. *Composites Science and Technology*, **1995**, 53, 167-173	8.6	25
223	Plasma immersion ion implantation of polyurethane shape memory polymer: Surface properties and protein immobilization. *Applied Surface Science*, **2017**, 416, 686-695	6.7	24
222	Pure drug nanoparticles in tablets: what are the dissolution limitations?. *Journal of Nanoparticle Research*, **2010**, 12, 1743-1754	2.3	24
221	Spring-in study of the aileron rib manufactured from advanced thermoplastic composite. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 973-979	8.4	24
220	A quantitative identification approach for delamination in laminated composite beams using digital damage fingerprints (DDFs). *Composite Structures*, **2006**, 75, 559-570	5.3	24
219	Interface end theory and re-evaluation in interfacial strength test methods. *Composite Interfaces*, **2003**, 10, 567-580	2.3	24
218	Matrix morphology and fibre pull-out strength of T700/PPS and T700/PET thermoplastic composites. *Journal of Materials Science*, **1995**, 30, 4761-4769	4.3	24
217	Analyses of fibre push-out test based on the fracture mechanics approach. *Composites Part B: Engineering*, **1995**, 5, 1199-1219		24

216	Mode-l Fracture Behaviour of Adhesive Joints. Part II. Stress Analysis and Constraint Parameters **1995**, 53, 163-172		24
215	Effective Crack Growth and Residual Strength of Composite Laminates with a Sharp Notch. *Journal of Composite Materials*, **1996**, 30, 333-357	2.7	24
214	Treelike networks accelerating capillary flow. *Physical Review E*, **2014**, 89, 053007	2.4	23
213	Characteristics of resistance welding of lap-shear coupons. Part III. Crystallinity. *Composites Part A: Applied Science and Manufacturing*, **1998**, 29, 921-932	8.4	23
212	Interlaminar Fracture Toughness of CF/PEI and GF/PEI Composites at Elevated Temperatures. *Applied Composite Materials*, **2004**, 11, 173-190	2	23
211	Concise analysis of wave propagation using the spectral element method and identification of delamination in CF/EP composite beams. *Smart Materials and Structures*, **2010**, 19, 085018	3.4	22
210	An experimental study of the influence of fibre–matrix interface on fatigue tensile strength of notched composite laminates. *Composites Part B: Engineering*, **2001**, 32, 371-377	10	21
209	Compressive behaviour of shear-thickening fluid with concentrated polymers at high strain rates. *Materials and Design*, **2018**, 140, 295-306	8.1	20
208	Effective permeability of gas diffusion layer in proton exchange membrane fuel cells. *International Journal of Hydrogen Energy*, **2013**, 38, 10519-10526	6.7	20
207	Differential spontaneous capillary flow through heterogeneous porous media. *International Journal of Heat and Mass Transfer*, **2011**, 54, 3096-3099	4.9	20
206	Interlaminar fracture (model II) of commingled yarn-based GF/PP composites. *Journal of Materials Science*, **1993**, 28, 773-780	4.3	20
205	The fastest capillary flow under gravity. *Applied Physics Letters*, **2014**, 104, 231602	3.4	19
204	Monitoring of delamination onset and growth during Mode I and Mode II interlaminar fracture tests using guided waves. *Composites Science and Technology*, **2012**, 72, 145-151	8.6	19
203	Artificial Neural Network (ANN)-based Crack Identification in Aluminum Plates with Lamb Wave Signals. *Journal of Intelligent Material Systems and Structures*, **2009**, 20, 39-49	2.3	19
202	Efficiency of genetic algorithms and artificial neural networks for evaluating delamination in composite structures using fibre Bragg grating sensors. *Smart Materials and Structures*, **2005**, 14, 1541-1553	3.4	19
201	Filtration Efficiency of Non-Uniform Fibrous Filters. *Aerosol Science and Technology*, **2015**, 49, 912-919	3.4	18
200	A Stiffened Plate Element Model for Advanced Grid Stiffened Composite Plates/Shells. *Journal of Composite Materials*, **2011**, 45, 187-202	2.7	18
199	Stress distributions in single shape memory alloy fiber composites. *Materials & Design*, **2011**, 32, 3783-3789		18

198	Characteristics of woven fibre fabric reinforced composites in forming process. *Composites Part A: Applied Science and Manufacturing*, **1997**, 28, 869-874	8.4	18
197	Hierarchical development of training database for artificial neural network-based damage identification. *Composite Structures*, **2006**, 76, 224-233	5.3	18
196	Mode II interlaminar fracture toughness of CF/EP composite containing microencapsulated healing resins. *Composites Science and Technology*, **2017**, 142, 275-285	8.6	17
195	Quantitative identification of delamination at different interfaces using guided wave signals in composite laminates. *Journal of Reinforced Plastics and Composites*, **2015**, 34, 1506-1525	2.9	17
194	Analysis on multiple ring-like cracks in thin amorphous carbon film on soft substrate under nanoindentation. *Journal Physics D: Applied Physics*, **2013**, 46, 505314	3	17
193	A hierarchical data fusion scheme for identifying multi-damage in composite structures with a built-in sensor network. *Smart Materials and Structures*, **2007**, 16, 2067-2079	3.4	17
192	Effective permeabilities of multilayer fabric preforms in liquid composite moulding. *Composite Structures*, **2004**, 66, 351-357	5.3	17
191	Effects of rubber-rich domains and the rubber-plasticized matrix on the fracture behavior of liquid rubber-modified araldite-F epoxies. *Polymer Engineering and Science*, **2000**, 40, 2288-2298	2.3	17
190	Topological design for 3D-printing of carbon fibre reinforced composite structural parts. *Composites Science and Technology*, **2021**, 204, 108644	8.6	17
189	Modelling of lightning-induced dynamic response and mechanical damage in CFRP composite laminates with protection. *Composite Structures*, **2019**, 218, 162-173	5.3	16
188	Longitudinal permeability determination of dual-scale fibrous materials. *Composites Part A: Applied Science and Manufacturing*, **2015**, 68, 42-46	8.4	16
187	An Improved Metal-Packaged Strain Sensor Based on A Regenerated Fiber Bragg Grating in Hydrogen-Loaded Boron-Germanium Co-Doped Photosensitive Fiber for High-Temperature Applications. *Sensors*, **2017**, 17,	3.8	16
186	A strategy for significant improvement of strength of semi-crystalline polymers with the aid of nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 4592		16
185	Mode-I interlaminar fracture behaviour of weft-knitted fabric reinforced composites. *Composites Part A: Applied Science and Manufacturing*, **2005**, 36, 954-964	8.4	16
184	Digital Damage Fingerprints (DDF) and its application in quantitative damage identification. *Composite Structures*, **2005**, 67, 197-204	5.3	16
183	Reinforcement of concrete beam□column connections with hybrid FRP sheet. *Composite Structures*, **1999**, 47, 805-812	5.3	16
182	Evaluations of effective crack growth and residual strength of fibre-reinforced metal laminates with a sharp notch. *Composites Science and Technology*, **1996**, 56, 1079-1088	8.6	16
181	Bonding Piezoelectric Wafers for Application in Structural Health Monitoring□Adhesive Selection. *Research in Nondestructive Evaluation*, **2015**, 26, 23-42	0.9	15

180	Automated algorithm for impact force identification using cosine similarity searching. *Measurement: Journal of the International Measurement Confederation*, **2018**, 122, 648-657	4.6	15
179	Surface treatments and adhesion bonding between concrete and a CFRP composite. *Advanced Composite Materials*, **1998**, 7, 47-61	2.8	15
178	A Preliminary Study on Cryogenic Mechanical Properties of Epoxy Blend Matrices and SiO2/Epoxy Nanocomposites. *Key Engineering Materials*, **2006**, 312, 211-216	0.4	15
177	Characteristics of CF/PEI tape winding process with on-line consolidation. *Composites Part A: Applied Science and Manufacturing*, **2002**, 33, 1227-1238	8.4	15
176	Techniques for Evaluating Interfacial Properties of Fibre-Matrix Composites. *Key Engineering Materials*, **1995**, 104-107, 549-600	0.4	15
175	Adhesion of nylon-6 on surface treated aluminium substrates. *Journal of Materials Science*, **1996**, 31, 2109-2116	4.3	15
174	Fracture behaviour of a rubber-modified tough epoxy system. *Journal of Materials Science Letters*, **1994**, 13, 1330-1333		15
173	Transition from buckling to progressive failure during quasi-static in-plane crushing of CF/EP composite sandwich panels. *Composites Science and Technology*, **2018**, 168, 133-144	8.6	15
172	Symbolic dynamics time series analysis for assessment of barely visible indentation damage in composite sandwich structures based on guided waves. *Journal of Composite Materials*, **2017**, 51, 4129-4143	2.7	14
171	Experimental measurement and numerical simulation of viscosity reduction effects in HMMPE containing a small amount of exfoliated organoclay-modified TLCP composite. *Polymer*, **2010**, 51, 514-521	3.9	14
170	A homogenisation scheme and its application to evaluation of elastic properties of three-dimensional braided composites. *Composites Part B: Engineering*, **2001**, 32, 67-86	10	14
169	Thermo-mechanical behaviour of shape memory alloy reinforced composite laminate (Ni□i/glass-fibre/epoxy). *Composite Structures*, **1999**, 47, 705-710	5.3	14
168	Influence of cooling rate on interlaminar fracture properties of unidirectional commingled CF/PEEK composites. *Applied Composite Materials*, **1995**, 2, 135-151	2	14
167	Evaluation of Mode-II Fracture Energy of Adhesive Joints with Different Bond Thickness **1996**, 56, 171-186		14
166	Simulation of the fibre fragmentation process by a fracture mechanics analysis. *Composites Science and Technology*, **1994**, 52, 253-260	8.6	14
165	Enhanced biocompatibility of polyurethane-type shape memory polymers modified by plasma immersion ion implantation treatment and collagen coating: An in vivo study. *Materials Science and Engineering C*, **2019**, 99, 863-874	8.3	14
164	Conjunctive and compromised data fusion schemes for identification of multiple notches in an aluminium plate using Lamb wave signals. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2010**, 57, 2005-16	3.2	13
163	Residual Strength Simulation of Fibre Reinforced Metal Laminates Containing a Circular Hole. *Journal of Composite Materials*, **1997**, 31, 1884-1904	2.7	13

162	Quantitative Assessment of Damage in a Structural Beam Based on Wave Propagation by Impact Excitation. *Structural Health Monitoring*, **2003**, 2, 27-40	4.4	13
161	Influence of Matrix and Interface on Transverse Mechanical Properties of CF/PEI Thermoplastic Composites at Elevated Temperatures. *Journal of Reinforced Plastics and Composites*, **2005**, 24, 429-445	2.9	13
160	Simulation of Impulse Resistance Welding for Thermoplastic Matrix Composites. *Applied Composite Materials*, **2001**, 8, 133-147	2	13
159	Design and evaluation of various section profiles for pultruded deck panels. *Composite Structures*, **1999**, 47, 719-725	5.3	13
158	Consolidation and Interlaminar Fracture Properties of Unidirectional Commingled CF/PEEK Composites. *Journal of Thermoplastic Composite Materials*, **1996**, 9, 129-150	1.9	13
157	Length-scale-dependent nanoindentation creep behaviour of Ti/Al multilayers by magnetron sputtering. *Materials Characterization*, **2018**, 139, 165-175	3.9	12
156	Inverse estimation of impact force on a composite panel using a single piezoelectric sensor. *Journal of Intelligent Material Systems and Structures*, **2017**, 28, 799-810	2.3	12
155	Inverse Problem of Air Filtration of Nanoparticles: Optimal Quality Factors of Fibrous Filters. *Journal of Nanomaterials*, **2015**, 2015, 1-11	3.2	12
154	Evaluation of welding damage in welded tubular steel structures using guided waves and a probability-based imaging approach. *Smart Materials and Structures*, **2011**, 20, 015018	3.4	12
153	Damage Identification in Thick Steel Beam Based on Guided Ultrasonic Waves. *Journal of Intelligent Material Systems and Structures*, **2010**, 21, 225-232	2.3	12
152	Influence of Fibre-Matrix Adhesion on Mechanical Properties of Graphite/Epoxy Composites: III. Impact and Dynamic Mechanical Properties. *Journal of Reinforced Plastics and Composites*, **2000**, 19, 689-703	2.9	12
151	Effect of Moulding Temperature on Flexure, Impact Strength and Interlaminar Fracture Toughness of CF/PEI Composite. *Journal of Reinforced Plastics and Composites*, **1996**, 15, 1117-1130	2.9	12
150	Simulation of fatigue performance of cross-ply composite laminates. *Applied Composite Materials*, **1996**, 3, 391-406	2	12
149	Tough Nature-Inspired Helicoidal Composites with Printing-Induced Voids. *Cell Reports Physical Science*, **2020**, 1, 100109	6.1	12
148	Indentation stress-based models to predict fracture properties of brittle thin film on a ductile substrate. *Surface and Coatings Technology*, **2016**, 296, 46-57	4.4	12
147	Failure characteristics and multi-objective optimisation of CF/EP composite sandwich panels under edgewise crushing. *International Journal of Mechanical Sciences*, **2020**, 183, 105829	5.5	11
146	Rheological and energy absorption characteristics of a concentrated shear thickening fluid at various temperatures. *International Journal of Impact Engineering*, **2020**, 139, 103525	4	11
145	Bending shape memory behaviours of carbon fibre reinforced polyurethane-type shape memory polymer composites under relatively small deformation: Characterisation and computational simulation. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 100, 103372	4.1	11

144	Rheological study on high-density polyethylene/organoclay composites. *Polymer Engineering and Science*, **2011**, 51, 133-142	2.3	11
143	A fast damage locating approach usingdigital damage fingerprintsextracted from Lamb wave signals. *Smart Materials and Structures*, **2005**, 14, 1047-1054	3.4	11
142	Low density polyethylene-polypropylene blends: Part 2 - Strengthening and toughening with copolymer. *Plastics, Rubber and Composites*, **2003**, 32, 27-31	1.5	11
141	Quantitative Damage Prediction for Composite Laminates Based on Wave Propagation and Artificial Neural Networks. *Structural Health Monitoring*, **2005**, 4, 57-66	4.4	11
140	Fibre bridging in double cantilever beam specimens and its effect on mode I interlaminar fracture toughness. *Journal of Materials Science Letters*, **1992**, 11, 1537-1539		11
139	Progressive failure of CFRP tubes reinforced with composite sandwich panels: Numerical analysis and energy absorption. *Composite Structures*, **2021**, 263, 113674	5.3	11
138	Quasi-static and dynamic progressive crushing of CF/EP composite sandwich panels under in-plane localised compressive loads. *Composite Structures*, **2019**, 222, 110839	5.3	10
137	On the longitudinal permeability of aligned fiber arrays. *Journal of Composite Materials*, **2015**, 49, 1753-1763	2.7	10
136	Active vibration control of a hoop truss structure with piezoelectric bending actuators based on a fuzzy logic algorithm. *Smart Materials and Structures*, **2018**, 27, 085030	3.4	10
135	Interlaminar fracture properties of weft-knitted/woven fabric interply hybrid composite materials. *Journal of Materials Science*, **2012**, 47, 7280-7290	4.3	10
134	Statistical Fatigue Life Prediction of Cross-Ply Composite Laminates. *Journal of Composite Materials* , **1997**, 31, 1442-1460	2.7	10
133	Synergistic effects of nanoparticles and traditional tribo-fillers on sliding wear of polymeric hybrid composites. *Tribology and Interface Engineering Series*, **2008**, 55, 35-61		10
132	Interlaminar Fracture of CF/EP Composites Modified with Nano-Silica. *Solid State Phenomena*, **2007**, 121-123, 1403-1406	0.4	10
131	Low density polyethylene-polypropylene blends: Part 1 - Ductility and tensile properties. *Plastics, Rubber and Composites*, **2003**, 32, 21-26	1.5	10
130	Resistance Welding of Carbon Fiber Reinforced Polyetherimide Composit. *Journal of Thermoplastic Composite Materials*, **2001**, 14, 2-19	1.9	10
129	Indirect monitoring of distributed ice loads on a steel gate in a cold region. *Cold Regions Science and Technology*, **2018**, 151, 267-287	3.8	9
128	An approach to modelling concrete bridge condition deterioration using a statistical causal relationship based on inspection data. *Structure and Infrastructure Engineering*, **2007**, 3, 3-15	2.9	9
127	Evaluation of thermo-elastic properties of three-dimensional orthogonal woven composites. *Composites Part B: Engineering*, **2002**, 33, 241-251	10	9

126	Optimum design of cross-sectional profiles of pultruded box beams with high ultimate strength. *Composite Structures*, **1999**, 45, 279-288	5.3	9
125	A Hydrophobic-Interaction-Based Mechanism Triggers Docking between the SARS-CoV-2 Spike and Angiotensin-Converting Enzyme 2. *Global Challenges*, **2020**, 4, 2000067	4.3	9
124	Structure relaxation via long trajectories made stable. *Physical Chemistry Chemical Physics*, **2017**, 19, 24478-24484	3.6	8
123	Kenaf□olypropylene composites manufactured from blended fiber mats. *Journal of Reinforced Plastics and Composites*, **2013**, 32, 1198-1210	2.9	8
122	Residual Stress, Nanohardness, and Microstructure Changes in Whirlwind Milling of GCr15 Steel. *Materials and Manufacturing Processes*, **2013**, 28, 1047-1052	4.1	8
121	Effects of thickness and environmental temperature on fracture behaviour of polyetherimide (PEI). *Journal of Materials Science*, **2004**, 39, 1267-1276	4.3	8
120	GF/PP Tape Winding with On-Line Consolidation. *Journal of Reinforced Plastics and Composites*, **2002**, 21, 71-90	2.9	8
119	Plastic behaviour of high-strength lightweight Al/Ti multilayered films. *Journal of Materials Science*, **2017**, 52, 13956-13965	4.3	7
118	Improved Electret Properties of Poly(Vinylidene Fluoride)/Lithium Niobate Nanocomposites for Applications in Air Filters. *Macromolecular Materials and Engineering*, **2019**, 304, 1900003	3.9	7
117	A study on controller structure interaction of piezoelectric smart structures based on finite element method. *Journal of Intelligent Material Systems and Structures*, **2014**, 25, 1401-1413	2.3	7
116	Ultra-high specific strength and deformation behavior of nanostructured Ti/Al multilayers. *Journal Physics D: Applied Physics*, **2017**, 50, 365302	3	7
115	Thickness-dependent fracture behaviour of amorphous carbon films on a PEEK substrate under nanoindentation. *Vacuum*, **2017**, 144, 107-115	3.7	7
114	A DUAL-PERMEABILITY NETWORK MODEL FOR MULTILAYER WOVEN FABRICS. *International Journal of Applied Mechanics*, **2009**, 01, 709-736	2.4	7
113	Fundamentals and Analysis of Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 15-58	0.3	7
112	Fatigue behaviour of CF/PEEK composite laminates made from commingled prepreg. Part II: statistical simulations. *Composites Part A: Applied Science and Manufacturing*, **1997**, 28, 749-755	8.4	7
111	Sliding friction and wear of carbon fibre-polyetheretherketon commingled yarn composites against steel. *Journal of Materials Science Letters*, **1996**, 15, 1536-1538		7
110	Compression behaviours of 3D-printed CF/PA metamaterials: Experiment and modelling. *International Journal of Mechanical Sciences*, **2021**, 206, 106634	5.5	7
109	Performance evaluation of vibration controller for piezoelectric smart structures in finite element environment. *JVC/Journal of Vibration and Control*, **2014**, 20, 2146-2161	2	6

108	Organoclay/thermotropic liquid crystalline polymer nanocomposites. III. Effects of fully exfoliated organoclay on morphology, thermal, and rheological properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 712-720	2.6	6
107	Effects of rate and temperature on fracture behavior of TPX (poly-4-methyl-1-pentene) polymer. *Polymer Composites*, **1998**, 19, 830-836	3	6
106	Characterization of fluoroalkylsilane monolayer on polystyrene sphere arrays after plasma treatment. *Surface Science*, **2007**, 601, 1394-1402	1.8	6
105	Sliding wear of SINTIMID compounds against steel. *Journal of Materials Science Letters*, **1992**, 11, 356-358		6
104	Characteristics of Delamination Growth in a Notched Graphite/Epoxy Composite Laminate. *Journal of Reinforced Plastics and Composites*, **1989**, 8, 79-90	2.9	6
103	Piezo-activated guided wave propagation and interaction with damage in tubular structures. *Smart Structures and Systems*, **2010**, 6, 835-849		6
102	Comparative study on plasticity and fracture behaviour of Ti/Al multilayers. *Tribology International*, **2018**, 126, 344-351	4.9	6
101	Gapped smoothing algorithm applied to defect identification using pulsed thermography. *Nondestructive Testing and Evaluation*, **2015**, 30, 171-195	2	5
100	Nonlinearity analysis and parameters optimization for an inductive angle sensor. *Sensors*, **2014**, 14, 4111-4125	3.25	5
99	Functionalized interleaf technology in carbon-fibre-reinforced composites for aircraft applications. *National Science Review*, **2014**, 1, 7-8	10.8	5
98	Damage Identification and Assessment in Tapered Sandwich Structures Using Guided Waves. *Key Engineering Materials*, **2013**, 558, 25-38	0.4	5
97	The Effects of Laser Shock Peening on Microstructure and Properties of Metals and Alloys: A Review. *Advanced Materials Research*, **2011**, 347-353, 1596-1604	0.5	5
96	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part V: morphological and rheological studies. *Journal of Materials Science*, **2010**, 45, 2874-2883	4.3	5
95	Information Fusion in Distributed Sensor Network for Structural Damage Detection **2004**, 1005-1011		5
94	Finite element simulations of the doublediaphragm forming process. *Revue Europeenne Des Elements*, **2005**, 14, 633-651		5
93	Fracture behavior of polyetherimide (PEI) and interlaminar fracture of CF/PEI laminates at elevated temperatures. *Polymer Composites*, **2005**, 26, 20-28	3	5
92	Hybrids and Sandwiches **2000**, 249-290		5
91	Designing for piezoelectric ceramic wafers bonded on structures using force transfer criteria. *Smart Materials and Structures*, **2000**, 9, 157-162	3.4	5

90	Sensitivity of piezoelectric wafers to the curing of thermoset resins and thermoset composites. *Smart Materials and Structures*, **1998**, 7, 113-120	3.4	5
89	Experimental investigation of piezoelectric wafers in monitoring the resin transfer moulding process. *Smart Materials and Structures*, **1998**, 7, 121-127	3.4	5
88	Statistical prediction of fatigue failure of fibre reinforced composite materials. *Applied Composite Materials*, **1995**, 2, 153-173	2	5
87	Fatigue Life Prediction of Composite Laminates Using a Stress Redistribution Function. *Journal of Reinforced Plastics and Composites*, **1996**, 15, 249-266	2.9	5
86	Influence of Fibre-Matrix Adhesion on Mechanical Properties of Graphite/Epoxy Composites: III. Impact and Dynamic Mechanical Properties. *Journal of Reinforced Plastics and Composites*, **2000**, 19, 689-703	2.9	5
85	Characterisation of fusion bonding between filaments of thin 3D printed polyamide 6 using an essential work of fracture method. *Journal of Materials Science*, **2021**, 56, 2777-2794	4.3	5
84	Confined compression behaviour of a shear thickening fluid with concentrated submicron particles. *Composites Communications*, **2018**, 10, 186-189	6.7	5
83	Improved vibration attenuation performance of large hoop truss structures via a hybrid control algorithm. *Smart Materials and Structures*, **2019**, 28, 065007	3.4	4
82	Synergistic effects of nanoparticles and traditional tribofillers on sliding wear of polymeric hybrid composites **2013**, 49-89		4
81	Comparative Assessment of Surface Roughness and Microstructure Produced in Whirlwind Milling of Bearing Steel. *Machining Science and Technology*, **2014**, 18, 251-276	2	4
80	Manufacturing of an Aileron Rib with Advanced Thermoplastic Composites. *Journal of Thermoplastic Composite Materials*, **1997**, 10, 185-195	1.9	4
79	Fracture Behaviours of Nano-Silica Modified Epoxies at Elevated Temperatures. *Key Engineering Materials*, **2006**, 312, 243-250	0.4	4
78	Re-evaluation of fragmentation test based on the stress singularity of interface end. *Composite Interfaces*, **2006**, 13, 67-88	2.3	4
77	Parameterised Modelling Technique & Its Application to Artificial Neural Network-based Structural Health Monitoring **2004**, 999-1004		4
76	Crack-tip field for fast fracture of an elastic□plastic□viscoplastic material incorporated with quasi-brittle damage. Part 1. Large damage regime. *International Journal of Solids and Structures*, **2001**, 38, 9383-9402	3.1	4
75	Mode I fracture of aluminium□PEEK adhesive joints. *Journal of Materials Science Letters*, **1996**, 15, 2124		4
74	Algorithms for Damage Identification □Fusion of Signal Features. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 195-254	0.3	4
73	Lap shear strength and healing capability of self-healing adhesive containing epoxy/mercaptan microcapsules **2016**,		4

72	Multi-material topology optimisation of micro-composites with reduced stress concentration for optimal functional performance. *Materials and Design*, **2021**, 210, 110098	8.1	4
71	High-performance poly(vinylidene fluoride)-polyamide 11/lithium niobate nanocomposites for the applications in air filtration. *Journal of Applied Polymer Science*, **2020**, 137, 48957	2.9	3
70	Rotor study of inductive angle sensor **2012**,		3
69	A comparative study of thermotropic LCP and organoclay as fillers in high molecular mass polyethylene with different blending sequences. *Polymer Engineering and Science*, **2010**, 50, 1679-1688	2.3	3
68	Processing of CF/PEEK thermoplastic composites from flexible preforms. *Advanced Composite Materials*, **1997**, 6, 83-97	2.8	3
67	Three-Dimensional Finite Element Modelling of Laser Shock Peening Process. *Materials Science Forum*, **2007**, 561-565, 2261-2264	0.4	3
66	Damage Assessment of Multi-Layered Composite Structure Using an Embedded Active Sensor Network. *Key Engineering Materials*, **2007**, 334-335, 461-464	0.4	3
65	Characterisation of mechanical properties of thin polymer films using a bi-axial tension based on blow-up test. *Plastics, Rubber and Composites*, **2003**, 32, 459-465	1.5	3
64	A split spectrum processing of noise-contaminated wave signals for damage identification. *Smart Structures and Systems*, **2012**, 10, 253-269		3
63	Application of Algorithms for Identifying Structural Damage Case Studies. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 255-297	0.3	3
62	Concurrent Identification of Impact Location and Force Magnitude on a Composite Panel. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2042004	1.9	3
61	Effect of striker shape on impact energy absorption of a shear thickening fluid. *Composites Communications*, **2021**, 23, 100560	6.7	3
60	Experimental and numerical simulation of lightning damage development on composites with/without a carbon-based protection layer. *Composite Structures*, **2021**, 260, 113452	5.3	3
59	Carbon Fibre-Reinforced Polymer Laminates with Nanofiller-Enhanced Multifunctionality **2017**, 171-197		2
58	Effect of initiator geometry on energy absorption of CFRP tubes under dynamic crushing. *International Journal of Crashworthiness*, **2020**, 1-11	1	2
57	Mechanical reinforcement and wear resistance of aligned carbon nanotube/epoxy nanocomposites from nanoscale investigation. *Journal of Applied Polymer Science*, **2020**, 137, 49182	2.9	2
56	Identification of Location and Magnitude of Impact Force on a Composite Sandwich Structure With Lattice Truss Core **2015**,		2
55	Mode-I fracture behavior of a shear-thickening fluid as adhesive layer under different loading rates. *Journal of Materials Science*, **2015**, 50, 6642-6648	4.3	2

54	Conductive Rubber Nanocomposites as Tensile and Pressure Sensors. *Applied Mechanics and Materials*, **2012**, 217-219, 130-133	0.3	2
53	Strengthening Efficiency of E-Glass Fibre Composite Jackets of Different Architectures for Concrete Columns. *Applied Composite Materials*, **1998**, 5, 109-122	2	2
52	Evaluating Multi-Delamination of Composite Laminates Using an Active Sensor Network. *Advanced Materials Research*, **2008**, 32, 103-106	0.5	2
51	Crack-tip field for fast fracture of an elastic□plastic□viscoplastic material coupled with quasi-brittle damage. Part 2. Small damage regime. *International Journal of Solids and Structures*, **2001**, 38, 9403-9420	3.1	2
50	On fast fracture in an elastic-(plastic)-viscoplastic solid □1. Stress and velocity fields with loading and unloading processes. *International Journal of Fracture*, **2001**, 111, 343-359	2.3	2
49	FINITE ELEMENT SIMULATION OF LASER SHOCK PEENING ON AN ALUMINUM ALLOY **2002**,		2
48	SARS-CoV-2 Variants, RBD Mutations, Binding Affinity, and Antibody Escape. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
47	Microencapsulated healing agents for an elevated-temperature cured epoxy: Influence of viscosity on healing efficiency. *Polymers and Polymer Composites*,096739112110453	0.8	2
46	Bearing Fault Detection Using Higher-Order Statistics Based ARMA Model. *Key Engineering Materials*,271-276	0.4	2
45	Activating and Receiving Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 59-98	1.3	2
44	Loading rate effect of the interfacial tensile failure behavior in carbon fiber□epoxy composites toughened with ZnO nanowires. *Composites Part B: Engineering*, **2021**, 212, 108676	10	2
43	Entropy-Enthalpy Compensations Fold Proteins in Precise Ways. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
42	Experimental and numerical investigation of zero Poisson□ ratio structures achieved by topological design and 3D printing of SCF/PA. *Composite Structures*, **2022**, 115717	5.3	2
41	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part I: Effects of concentration on morphology, liquid crystallinity and thermal properties. *E-Polymers*, **2012**, 12,	2.7	1
40	Advanced Composites with Multi-Functionality Enhanced by Nanoparticles. *Advanced Materials Research*, **2013**, 747, 19-22	0.5	1
39	Stress analysis of shape memory alloy composites **2009**,		1
38	Monitoring of surface-fatigue crack propagation in a welded steel angle structure using guided waves and principal component analysis **2012**,		1
37	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part IV: organoclay of comparable size to fully extended TLCP molecules. *Journal of Materials Science*, **2010**, 45, 3336-3343	4.3	1

36	Organoclay-modified thermotropic liquid crystalline polymers as viscosity reduction agents for high molecular mass polyethylene. *Journal of Materials Science*, **2010**, 45, 5353-5363	4.3	1
35	Potential of Piezoelectric Elements in the Monitoring of Composite Manufacturing Process. *Journal of Intelligent Material Systems and Structures*, **1997**, 8, 1073-1078	2.3	1
34	Fracture Properties and Characteristics of Sisal Textile Reinforced Epoxy Composites. *Key Engineering Materials*, **2006**, 312, 167-172	0.4	1
33	Specimen Design for IFSS Measurement in Fiber Pullout Test. *Key Engineering Materials*, **2006**, 312, 149-154	0.4	1
32	Damage identification for composite structures with a Bayesian network		1
31	Strain evaluation of strengthened concrete structures using FBG sensors **1999**,		1
30	Manufacturing and Testing of Thermoplastic Composite High Load Hinge. *Journal of Thermoplastic Composite Materials*, **1999**, 12, 133-142	1.9	1
29	Effects of Saline Water Immersion on Glass Fibrelvinyl-Ester Wrapped Concrete Columns. *Journal of Reinforced Plastics and Composites*, **1999**, 18, 1592-1604	2.9	1
28	Effect of annealing on wear of CF/PEEK composites against smooth steel. *Journal of Materials Science Letters*, **1996**, 15, 1388-1391		1
27	Sliding friction and wear of a continuous glass fibre/nylon composite against steel. *Journal of Materials Science Letters*, **1994**, 13, 1684-1687		1
26	Permeability of Sisal Textile Reinforced Composites by Resin Transfer Molding **2004**, 1087-1092		1
25	Simulation of Transverse Mechanical Properties Using Interfacial Shear Stress Ratio for CF-PEI Thermoplastic Composites at Elevated Temperatures. *Fibers and Polymers*, **2018**, 19, 1102-1108	2	1
24	Effects of deposition speed and extrusion temperature on fusion between filaments in single-layer polymer films printed with FFF. *Advanced Industrial and Engineering Polymer Research*, **2021**,	7.3	1
23	Designing and tailoring effective elastic modulus and negative Poisson□ ratio with continuous carbon fibres using 3D printing. *Composites Part A: Applied Science and Manufacturing*, **2021**, 150, 106625	8.4	1
22	Low velocity impact resistance of thin and toughened carbon fibre reinforced epoxy. *Composites Science and Technology*, **2022**, 109362	8.6	1
21	A study on the mechanical polishing technique by using shear thickening fluids. *Journal of Micromechanics and Molecular Physics*, **2021**, 06, 25-29	1.4	1
20	Sensors and Sensor Networks. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 99-142	0.3	0
19	A multi-material topology optimization with temperature-dependent thermoelastic properties. *Engineering Optimization*,1-16	2	0

18	The essential work of fracture method for the characterisation of fusion bonding in 3D printed short carbon-fibre reinforced polyamide 6 thin films. *Composites Science and Technology*, **2022**, 109361	8.6	0
17	A METHOD FOR DEFINING INITIAL STRESS IN PROGRESSIVELY DEPOSITED FILM ON A SUBSTRATE. *International Journal of Modern Physics B*, **2014**, 28, 1450056	1.1	
16	Lamb Wave Based Monitoring of Fatigue Crack Growth Using Principal Component Analysis. *Key Engineering Materials*, **2013**, 558, 260-267	0.4	
15	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part VI: Effects of intercalated organoclay on nanocomposite morphology, thermal and rheological properties. *International Journal of Smart and Nano Materials*, **2010**, 1, 173-186	3.6	
14	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part II: shear-induced phase separation. *Journal of Materials Science*, **2010**, 45, 4422-4430	4.3	
13	The Reliability of Fragmentation Test. *Key Engineering Materials*, **2006**, 312, 155-160	0.4	
12	A Signal Processing Approach for Elastic Wave-Based Structural Health Monitoring Using Active Piezoelectrics. *Key Engineering Materials*, **2007**, 334-335, 1141-1144	0.4	
11	Propagation Characteristics of Lamb Waves in Stringer-Stiffened Panels. *Key Engineering Materials*, **2007**, 334-335, 637-640	0.4	
10	Mixed-mode Fracture of a CF/PEI Composite Material **2004**, 403-408		
9	Deconsolidation and Reconsolidation of Thermoplastic Composites During Processing **2005**, 233-254		
8	OS6(4)-15(OS06W0098) Influence of Electric Field on Fracture Toughness and Fatigue Crack Growth for an Actuator Piezo-Ceramic PIC151. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 230	0	
7	PL-1(PL1W0032) On Smart Materials, Smart Structures and Damage Detection. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 3	0	
6	Interface End Theory and Fragmentation Test **2004**, 588-593		
5	Study on Re-pull Force in Pultrusion Processes Experimental Observations **2004**, 834-839		
4	Study on Re-pull Force in Pultrusion Processes. Theoretical Analysis **2004**, 840-845		
3	Stress Singularity Analysis of Interface End and Specimen Design for Fiber Pullout Test **2004**, 594-599		
2	Systems and Engineering Applications. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 299-328	0.3	
1	Processing of Lamb Wave Signals. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 143-193	0.3	