Lin Ye

List of Publications by Year in Descending Order

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	Low velocity impact resistance of thin and toughened carbon fibre reinforced epoxy. *Composites Science and Technology*, **2022**, 109362	8.6	1
376	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
375	Experimental and numerical investigation of zero Poisson's ratio structures achieved by topological design and 3D printing of SCF/PA. *Composite Structures*, **2022**, 115717	5.3	2
374	SARS-CoV-2 Variants, RBD Mutations, Binding Affinity, and Antibody Escape. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
373	Topological design for 3D-printing of carbon fibre reinforced composite structural parts. *Composites Science and Technology*, **2021**, 204, 108644	8.6	17
372	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
371	Progressive failure of CFRP tubes reinforced with composite sandwich panels: Numerical analysis and energy absorption. *Composite Structures*, **2021**, 263, 113674	5.3	11
370	Effect of striker shape on impact energy absorption of a shear thickening fluid. *Composites Communications*, **2021**, 23, 100560	6.7	3
369	Personal thermal management by thermally conductive composites: A review. *Composites Communications*, **2021**, 23, 100595	6.7	32
368	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
367	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
366	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
365	Entropy-Enthalpy Compensations Fold Proteins in Precise Ways. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
364	Compression behaviours of 3D-printed CF/PA metamaterials: Experiment and modelling. *International Journal of Mechanical Sciences*, **2021**, 206, 106634	5.5	7
363	Multi-material topology optimisation of micro-composites with reduced stress concentration for optimal functional performance. *Materials and Design*, **2021**, 210, 110098	8.1	4
362	Designing and tailoring effective elastic modulus and negative Poisson's ratio with continuous carbon fibres using 3D printing. *Composites Part A: Applied Science and Manufacturing*, **2021**, 150, 106625	8.4	1
361	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

360	Effect of initiator geometry on energy absorption of CFRP tubes under dynamic crushing. *International Journal of Crashworthiness*, **2020**, 1-11	1	2
359	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
358	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
357	3D printed continuous CF/PA6 composites: Effect of microscopic voids on mechanical performance. *Composites Science and Technology*, **2020**, 191, 108077	8.6	58
356	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
355	Rheological and energy absorption characteristics of a concentrated shear thickening fluid at various temperatures. *International Journal of Impact Engineering*, **2020**, 139, 103525	4	11
354	Tough Nature-Inspired Helicoidal Composites with Printing-Induced Voids. *Cell Reports Physical Science*, **2020**, 1, 100109	6.1	12
353	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
352	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
351	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
350	Modelling of lightning-induced dynamic response and mechanical damage in CFRP composite laminates with protection. *Composite Structures*, **2019**, 218, 162-173	5.3	16
349	Improved vibration attenuation performance of large hoop truss structures via a hybrid control algorithm. *Smart Materials and Structures*, **2019**, 28, 065007	3.4	4
348	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
347	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
346	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
345	Length-scale-dependent nanoindentation creep behaviour of Ti/Al multilayers by magnetron sputtering. *Materials Characterization*, **2018**, 139, 165-175	3.9	12
344	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
343	Compressive behaviour of shear-thickening fluid with concentrated polymers at high strain rates. *Materials and Design*, **2018**, 140, 295-306	8.1	20

342	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
341	Automated algorithm for impact force identification using cosine similarity searching. *Measurement: Journal of the International Measurement Confederation*, **2018**, 122, 648-657	4.6	15
340	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
339	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
338	Confined compression behaviour of a shear thickening fluid with concentrated submicron particles. *Composites Communications*, **2018**, 10, 186-189	6.7	5
337	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
336	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
335	Comparative study on plasticity and fracture behaviour of Ti/Al multilayers. *Tribology International*, **2018**, 126, 344-351	4.9	6
334	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
333	Mode II interlaminar fracture toughness of CF/EP composite containing microencapsulated healing resins. *Composites Science and Technology*, **2017**, 142, 275-285	8.6	17
332	Low-velocity impact response of composite sandwich structures: Modelling and experiment. *Composite Structures*, **2017**, 168, 322-334	5.3	113
331	Plasma immersion ion implantation of polyurethane shape memory polymer: Surface properties and protein immobilization. *Applied Surface Science*, **2017**, 416, 686-695	6.7	24
330	Carbon Fibre-Reinforced Polymer Laminates with Nanofiller-Enhanced Multifunctionality **2017**, 171-197		2
329	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
328	Plastic behaviour of high-strength lightweight Al/Ti multilayered films. *Journal of Materials Science*, **2017**, 52, 13956-13965	4.3	7
327	Structure relaxation via long trajectories made stable. *Physical Chemistry Chemical Physics*, **2017**, 19, 24478-24484	3.6	8
326	Ultra-high specific strength and deformation behavior of nanostructured Ti/Al multilayers. *Journal Physics D: Applied Physics*, **2017**, 50, 365302	3	7
325	Thickness-dependent fracture behaviour of amorphous carbon films on a PEEK substrate under nanoindentation. *Vacuum*, **2017**, 144, 107-115	3.7	7

324	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
323	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
322	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
321	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
320	Lap shear strength and healing capability of self-healing adhesive containing epoxy/mercaptan microcapsules **2016**,		4
319	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
318	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
317	Bonding Piezoelectric Wafers for Application in Structural Health Monitoring: Adhesive Selection. *Research in Nondestructive Evaluation*, **2015**, 26, 23-42	0.9	15
316	Damage localization in composite lattice truss core sandwich structures based on vibration characteristics. *Composite Structures*, **2015**, 126, 34-51	5.3	57
315	Propagation behaviour of guided waves in tapered sandwich structures and debonding identification using time reversal. *Wave Motion*, **2015**, 57, 154-170	1.8	34
314	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
313	Nanoindentation and thermal study of polyvinylalcohol/graphene oxide nanocomposite film through organic/inorganic assembly. *Applied Surface Science*, **2015**, 349, 27-34	6.7	35
312	Filtration Efficiency of Non-Uniform Fibrous Filters. *Aerosol Science and Technology*, **2015**, 49, 912-919	3.4	18
311	On the longitudinal permeability of aligned fiber arrays. *Journal of Composite Materials*, **2015**, 49, 1753-1763	2.7	10
310	Longitudinal permeability determination of dual-scale fibrous materials. *Composites Part A: Applied Science and Manufacturing*, **2015**, 68, 42-46	8.4	16
309	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
308	Identification of Location and Magnitude of Impact Force on a Composite Sandwich Structure With Lattice Truss Core **2015**,		2
307	Inverse Problem of Air Filtration of Nanoparticles: Optimal Quality Factors of Fibrous Filters. *Journal of Nanomaterials*, **2015**, 2015, 1-11	3.2	12

306	Gapped smoothing algorithm applied to defect identification using pulsed thermography. *Nondestructive Testing and Evaluation*, **2015**, 30, 171-195	2	5
305	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
304	Optimal design of porous structures for the fastest liquid absorption. *Langmuir*, **2014**, 30, 149-55	4	52
303	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
302	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
301	The fastest capillary flow under gravity. *Applied Physics Letters*, **2014**, 104, 231602	3.4	19
300	Gas transport properties of electrospun polymer nanofibers. *Polymer*, **2014**, 55, 3149-3155	3.9	35
299	Leaky and non-leaky behaviours of guided waves in CF/EP sandwich structures. *Wave Motion*, **2014**, 51, 905-918	1.8	28
298	Geometry-induced asymmetric capillary flow. *Langmuir*, **2014**, 30, 5448-54	4	48
297	A METHOD FOR DEFINING INITIAL STRESS IN PROGRESSIVELY DEPOSITED FILM ON A SUBSTRATE. *International Journal of Modern Physics B*, **2014**, 28, 1450056	1.1	
296	Nonlinearity analysis and parameters optimization for an inductive angle sensor. *Sensors*, **2014**, 14, 4111-25	3.6	5
295	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
294	Damage detection in rebar-reinforced concrete beams based on time reversal of guided waves. *Structural Health Monitoring*, **2014**, 13, 347-358	4.4	41
293	Comparative Assessment of Surface Roughness and Microstructure Produced in Whirlwind Milling of Bearing Steel. *Machining Science and Technology*, **2014**, 18, 251-276	2	4
292	Treelike networks accelerating capillary flow. *Physical Review E*, **2014**, 89, 053007	2.4	23
291	Functionalized interleaf technology in carbon-fibre-reinforced composites for aircraft applications. *National Science Review*, **2014**, 1, 7-8	10.8	5
290	Anisotropy in tribological performances of long aligned carbon nanotubes/polymer composites. *Carbon*, **2014**, 67, 38-47	10.4	42
289	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

288	Transverse permeability determination of dual-scale fibrous materials. *International Journal of Heat and Mass Transfer*, **2013**, 58, 532-539	4.9	27
287	Synergistic effects of nanoparticles and traditional tribofillers on sliding wear of polymeric hybrid composites **2013**, 49-89		4
286	Effect of nanoparticles on interfacial properties of carbon fibre□epoxy composites. *Composites Part A: Applied Science and Manufacturing*, **2013**, 55, 35-44	8.4	46
285	Guided waves for damage detection in rebar-reinforced concrete beams. *Construction and Building Materials*, **2013**, 47, 370-378	6.7	49
284	Effective permeability of gas diffusion layer in proton exchange membrane fuel cells. *International Journal of Hydrogen Energy*, **2013**, 38, 10519-10526	6.7	20
283	Some insights into effects of nanoparticles on sliding wear performance of epoxy nanocomposites. *Wear*, **2013**, 304, 138-143	3.5	25
282	Silicone rubber nanocomposites containing a small amount of hybrid fillers with enhanced electrical sensitivity. *Materials & Design*, **2013**, 45, 548-554		36
281	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
280	Lamb Wave Based Monitoring of Fatigue Crack Growth Using Principal Component Analysis. *Key Engineering Materials*, **2013**, 558, 260-267	0.4	
279	Kenaf□olypropylene composites manufactured from blended fiber mats. *Journal of Reinforced Plastics and Composites*, **2013**, 32, 1198-1210	2.9	8
278	Advanced Composites with Multi-Functionality Enhanced by Nanoparticles. *Advanced Materials Research*, **2013**, 747, 19-22	0.5	1
277	Damage Identification and Assessment in Tapered Sandwich Structures Using Guided Waves. *Key Engineering Materials*, **2013**, 558, 25-38	0.4	5
276	Residual Stress, Nanohardness, and Microstructure Changes in Whirlwind Milling of GCr15 Steel. *Materials and Manufacturing Processes*, **2013**, 28, 1047-1052	4.1	8
275	Fabrication of highly-aligned, conductive, and strong graphene papers using ultralarge graphene oxide sheets. *ACS Nano*, **2012**, 6, 10708-19	16.7	282
274	Interlaminar fracture properties of weft-knitted/woven fabric interply hybrid composite materials. *Journal of Materials Science*, **2012**, 47, 7280-7290	4.3	10
273	Conductive Rubber Nanocomposites as Tensile and Pressure Sensors. *Applied Mechanics and Materials*, **2012**, 217-219, 130-133	0.3	2
272	A strategy for significant improvement of strength of semi-crystalline polymers with the aid of nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 4592		16
271	Influences of processing methods and chemical treatments on fracture toughness of halloysite□epoxy composites. *Materials & Design*, **2012**, 42, 471-477		53

270	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
269	Debonding Detection in Composite Sandwich Structures Based on Guided Waves. *AIAA Journal*, **2012**, 50, 1697-1706	2.1	43
268	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
267	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
266	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
265	Fracture mechanisms of epoxy-based ternary composites filled with rigid-soft particles. *Composites Science and Technology*, **2012**, 72, 558-565	8.6	134
264	Rotor study of inductive angle sensor **2012**,		3
263	Monitoring of surface-fatigue crack propagation in a welded steel angle structure using guided waves and principal component analysis **2012**,		1
262	A split spectrum processing of noise-contaminated wave signals for damage identification. *Smart Structures and Systems*, **2012**, 10, 253-269		3
261	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
260	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
259	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
258	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
257	A Stiffened Plate Element Model for Advanced Grid Stiffened Composite Plates/Shells. *Journal of Composite Materials*, **2011**, 45, 187-202	2.7	18
256	Shear-thickening behaviour of concentrated polymer dispersions under steady and oscillatory shear. *Journal of Materials Science*, **2011**, 46, 339-346	4.3	35
255	Differential spontaneous capillary flow through heterogeneous porous media. *International Journal of Heat and Mass Transfer*, **2011**, 54, 3096-3099	4.9	20
254	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
253	Rheological study on high-density polyethylene/organoclay composites. *Polymer Engineering and Science*, **2011**, 51, 133-142	2.3	11

252	Enhanced charge storage by the electrocatalytic effect of anodic TiO nanotubes. *Nanoscale*, **2011**, 3, 4174-81	7.7	28
251	Vibration characteristics of electrorheological elastomer sandwich beams. *Smart Materials and Structures*, **2011**, 20, 055012	3.4	37
250	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
249	Stress distributions in single shape memory alloy fiber composites. *Materials & Design*, **2011**, 32, 3783-3789		18
248	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
247	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
246	Permeability Predictions for Woven Fabric Preforms. *Journal of Composite Materials*, **2010**, 44, 1569-1586	2.7	35
245	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
244	Probabilistic Damage Identification Based on Correlation Analysis Using Guided Wave Signals in Aluminum Plates. *Structural Health Monitoring*, **2010**, 9, 133-144	4.4	92
243	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	
242	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
241	A damage diagnostic imaging algorithm based on the quantitative comparison of Lamb wave signals. *Smart Materials and Structures*, **2010**, 19, 065008	3.4	41
240	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
239	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
238	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part V: morphological and rheological studies. *Journal of Materials Science*, **2010**, 45, 2874-2883	4.3	5
237	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
236	Organoclay/thermotropic liquid crystalline polymer nanocomposites. Part II: shear-induced phase separation. *Journal of Materials Science*, **2010**, 45, 4422-4430	4.3	
235	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

234	Pure drug nanoparticles in tablets: what are the dissolution limitations?. *Journal of Nanoparticle Research*, **2010**, 12, 1743-1754	2.3	24
233	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
232	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
231	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
230	Piezo-activated guided wave propagation and interaction with damage in tubular structures. *Smart Structures and Systems*, **2010**, 6, 835-849		6
229	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
228	A DUAL-PERMEABILITY NETWORK MODEL FOR MULTILAYER WOVEN FABRICS. *International Journal of Applied Mechanics*, **2009**, 01, 709-736	2.4	7
227	Fundamentals and Analysis of Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 15-58	0.3	7
226	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
225	Optimal Mother Wavelet Selection for Lamb Wave Analyses. *Journal of Intelligent Material Systems and Structures*, **2009**, 20, 1147-1161	2.3	40
224	Stress analysis of shape memory alloy composites **2009**,		1
223	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
222	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
221	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
220	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
219	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
218	The role of viscoelastic properties in strain testing using microstructured polymer optical fibres (mPOF). *Measurement Science and Technology*, **2009**, 20, 034014	2	70
217	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

216	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
215	Identification of Damage Using Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**,	0.3	263
214	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
213	Activating and Receiving Lamb Waves. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 59-98	0.3	2
212	Algorithms for Damage Identification Fusion of Signal Features. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 195-254	0.3	4
211	Systems and Engineering Applications. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 299-328	0.3	
210	Processing of Lamb Wave Signals. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 143-193	0.3	
209	Application of Algorithms for Identifying Structural Damage Case Studies. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 255-297	0.3	3
208	Sensors and Sensor Networks. *Lecture Notes in Applied and Computational Mechanics*, **2009**, 99-142	0.3	0
207	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
206	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
205	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
204	Evaluating Multi-Delamination of Composite Laminates Using an Active Sensor Network. *Advanced Materials Research*, **2008**, 32, 103-106	0.5	2
203	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
202	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
201	Toughening epoxies with halloysite nanotubes. *Polymer*, **2008**, 49, 5119-5127	3.9	214
200	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
199	Progressive failure analysis for advanced grid stiffened composite plates/shells. *Composite Structures*, **2008**, 86, 45-54	5.3	31

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