Michael Loughlin

List of Publications by Year
in descending order

53	229	1163065 8	1125717 13
papers	citations	h-index	g-index

54	54	54	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accelerated creep and creep-rupture testing of transverse unidirectional carbon/epoxy lamina based on the stepped isostress method. Composite Structures, 2017, 159, 455-462.	5.8	35
2	Analysis of creep behavior in thermoplastics basedÂonÂvisco-elastic theory. Mechanics of Time-Dependent Materials, 2011, 15, 293-308.	4.4	27
3	Patients and agents â€“ or why we need a different narrative: a philosophical analysis. Philosophy, Ethics, and Humanities in Medicine, 2018, 13, 13.	1.5	14
4	A Possibility for Quantitative Detection of Mechanically-Induced Invisible Damage by Thermal Property Measurement via Entropy Generation for a Polymer Material. Materials, 2022, 15, 737.	2.9	12
5	Estimating creep deformation of glass-fiber-reinforced polycarbonate. Mechanics of Time-Dependent Materials, 2007, 10, 185-199.	4.4	11
6	Molecular Dynamics Simulation for Evaluating Fracture Entropy of a Polymer Material under Various Combined Stress States. Materials, 2021, 14, 1884.	2.9	11
7	Diseases, patients and the epistemology of practice: mapping the borders of health, medicine and care. Journal of Evaluation in Clinical Practice, 2015, 21, 357-364.	1.8	10
8	Effect of matrix crystallinity of carbon fiber reinforced polyamide 6 on static bending properties. Advanced Composite Materials, 2021, 30, 71-84.	1.9	10
9	Estimating the creep behavior of glass-fiber-reinforced polyamide considering the effects of crystallinity and fiber volume fraction. Mechanics of Advanced Materials and Modern Processes, 2018, 4, .	2.2	9
10	Molecular dynamics simulation for the quantitative prediction of experimental tensile strength of a polymer material. Composites Part C: Open Access, 2020, 2, 100041.	3.2	9
11	Formulation of non-linear viscoelasticâ€“viscoplastic constitutive equation for polyamide 6 resin. Heliyon, 2021, 7, e06335.	3.2	8
12	Psychologism, Overpsychologism, and Action. Philosophy, Psychiatry and Psychology, 2010, 17, 305-309.	0.4	6
13	Evaluation of damage progression and mechanical behavior under compression of bone cements containing coreâ€“shell nanoparticles by using acoustic emission technique. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 46, 137-147.	3.1	6
14	Estimation of creep and recovery behavior of a shape memory polymer. Mechanics of Time-Dependent Materials, 2015, 19, 569-579.	4.4	6
15	Damage accumulation studied by acoustic emission in bone cement prepared with coreâ€“shell nanoparticles under fatigue. Journal of Materials Science, 2016, 51, 5635-5645.	3.7	6
16	Preliminary study of optimal measurement location on vibroarthrography for classification of patients with knee osteoarthritis. Journal of Physical Therapy Science, 2016, 28, 2904-2908.	0.6	6
17	Preparation and Characteristic Evaluation of Silica-agglomerate Electret with Ultra-thin PTFE Layer for Ultrasonic Sensor. IEEJ Transactions on Sensors and Micromachines, 2018, 138, 441-447.	0.1	6
18	Estimating the creep behavior of polycarbonate with changes in temperature and aging time. Mechanics of Time-Dependent Materials, 2012, 16, 241-249.	4.4	5

#	Article	IF	Citations
19	Development of an Impulse Response Method for Assessing Knee Osteoarthritis at the Femorotibial Joint: Comparison Between Healthy Young Adults and Older Women with Clinical Knee Osteoarthritis. Journal of Medical and Biological Engineering, 2020, 40, 35-40.	1.8	5
20	Molecular dynamics simulation of weak bonds in carbon fiber reinforced plastic adhesive joints. Advanced Composite Materials, 2021, 30, 544-558.	1.9	5
21	Sensitivity Enhancement of FBG Sensors for Acoustic Emission Using Waveguides. Experimental Mechanics, 2016, 56, 1439-1447.	2.0	3
22	Effect of heat treatment on mechanical properties of carbon-fiber-reinforced themoplastic. Advanced Composite Materials, 2021, 30, 527-543.	1.9	3
23	Effect of Viscoelastic Behavior on Electroconductivity of Recycled Activated Carbon Composites. Applied Mechanics and Materials, 0, 70, 231-236.	0.2	2
24	Fracture behavior of wasted activated carbon powder composites. Advanced Composite Materials, 2016, 25, 375-384.	1.9	2
25	Effect of Crushing Method of Wasted Tire on Mechanical Behavior on PLA Composites. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 85-91.	0.5	2
26	Paper two: Rationality, harm and risk. Health Care Analysis, 1994, 2, 123-127.	2.2	1
27	Effect of Physical Aging on Creep Behavior of Glass Fiber Reinforced Polycarbonate. Zairyo/Journal of the Society of Materials Science, Japan, 2007, 56, 399-405.	0.2	1
28	Spin test of three-dimensional composite rotor using polymer ring as a connection device for high-speed flywheel. Mechanical Engineering Journal, 2016, 3, 16-00261-16-00261.	0.4	1
29	An Experimental-Numerical Hybrid Approach to Analysis of Fiber-Matrix Interfacial Stresses. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 27-35.	0.5	1
30	Acoustic Emission Technique Applied in Textiles Mechanical Characterization. MATEC Web of Conferences, 2017, 95, 07016.	0.2	1
31	Observation of Fiber-Matrix Interfacial Stresses Using Phase-Stepping Photoelasticity. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 215-223.	0.5	1
32	Damage Behavior Evaluation of Thermoplastic Resin Based CF/PA6 Laminate Composites with Fiber Discontinuity. Zairyo/Journal of the Society of Materials Science, Japan, 2016, 65, 561-566.	0.2	1
33	Science and Experience: Repairing a Fractured Medicine. Complementary Medicine Research, 2021, 28, 1-4.	1.2	1
34	Evaluation of viscoelastic non-isochoric plastic behavior of PBT and PA6. Mechanics of Time-Dependent Materials, 0, , 1.	4.4	1
35	Biomechanical contribution of elastin on wound skin of hairless mice. , 2017, , .		0
36	Evaluation of Degradation State of Used Bedsore Preventing Mattress. , 2018, , .		0

#	Article	IF	Citations
37	Performance Evaluation of Flexible Electret Sensor Array for Ultrasonic Object Detection in Short Distance. , 2018, , .		0
38	111 Fracture Behavior of High Content Carbon Nanofiber Reinforced Alumina Composites Using Electrostatic Adsorption. The Proceedings of the Materials and Processing Conference, 2010, 2010.18, _111-1_-_111-4_.	0.0	0
39	Estimation of Fatigue life of Cortical Bone Considering Viscoelastic Properties and Damage Mechanics. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 289-294.	0.5	0
40	OS1719 Time-Temperature Dependency on Shape Recovery Property of Shape Memory Polymer. The Proceedings of the Materials and Mechanics Conference, 2014, 2014, _OS1719-1_-_OS1719-2_.	0.0	0
41	S0420102 AE Monitoring of Damage Process in Transparent Conductive Film under Tensile Loading. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S0420102-_S0420102-.	0.0	0
42	OS1001-322 Relationship between Viscoelastic Characterization Factor and Viscoelastic Testing of Polypropylene. The Proceedings of the Materials and Mechanics Conference, 2015, 2015, _OS1001-32-_OS1001-32.	0.0	0
43	PS4-8 Detection of Microdamage in Rabbit Patellar Tendon under Impact Tensile Load by Acoustic Emission(PS4: Poster Short Presentation IV,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 288.	0.0	0
44	Characterization of Thermal Shock Fracture Behavior of Ceramics with Different Stress Ratio. The Proceedings of the Materials and Processing Conference, 2016, 2016.24, 425.	0.0	0
45	Reproduction of Physical Aging Phenomenon by Molecular Dynamics Simulation. The Proceedings of the Materials and Processing Conference, 2016, 2016.24, 133.	0.0	0
46	Effect of Strain Rate on Damage Accumulation Behavior of CFRP. The Proceedings of the Materials and Mechanics Conference, 2016, 2016, OS16-09.	0.0	0
47	Effect of Heat Treatment on Initiation Behavior of Transverse Crack of CFRPA6. The Proceedings of the Materials and Processing Conference, 2019, 2019.27, 305.	0.0	0
48	Evaluation of Hydrostatic Pressure Dependence of Bulk Creep of Polycarbonate by Molecular Dynamics Simulation. Journal of the Japan Society for Composite Materials, 2019, 45, 26-33.	0.2	0
49	Evaluation of dynamic viscoelastic properties of UV-irradiated dorsal skin tissue of hairless mice. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2019, 2019, 1008D1015.	0.0	0
50	Experimental studies on the mechanical behavior of Mayan archeological rocks. DYNA (Colombia), 2019, 86, 227-233.	0.4	0
51	Effect of Crystallization of Carbon Fiber Reinforced Polyamide on Mechanical Properties. Journal of the Japan Society for Composite Materials, 2019, 45, 223-229.	0.2	0
52	Effect of Crystallization on Mechanical Properties of CFRTP. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 45-46.	0.5	0
53	Effects of Strain Rate and Temperature Dependency on Damage Initiation Behavior of Unidirectional Carbon Fiber Reinforced Plastic. Journal of the Japan Society for Composite Materials, 2020, 46, 54-61.	0.2	0