Michael T Heitzmann

List of Publications by Year
in descending order

41	705	687363 13	580821 25
papers	citations	h-index	g-index

41	41	41	769
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparing the ignition and burning hazards of sugarâ€cane bagasse and hemp epoxy composites. Fire and Materials, 2022, 46, 529-543.	2.0	2
2	Wear behaviour of polymeric materials reinforced with man-made fibres: A comprehensive review about fibre volume fraction influence on wear performance. Journal of Reinforced Plastics and Composites, 2022, 41, 215-241.	3.1	53
3	Long-span timber flooring systems: A systematic review from structural performance and design considerations to constructability and sustainability aspects. Journal of Building Engineering, 2022, 48, 103981.	3.4	11
4	Behaviour of hybrid glass fibre-reinforced polymer and timber composite laminates under shear loading: Importance of fibre rotation. Composite Structures, 2022, 287, 115304.	5.8	1
5	Comparison of Experimental and Calculated Tensile Properties of Flax Fibres. Journal of Composites Science, 2022, 6, 100.	3.0	4
6	Durability of fibre-reinforced polymer-wood composite members: An overview. Composite Structures, 2022, 295, 115827.	5.8	27
7	Flammability trends for a comprehensive array of cladding materials. Fire Safety Journal, 2021, 120, 103133.	3.1	12
8	Constitutive modelling of the mechanical response of a polycaprolactone based polyurethane elastomer: Finite element analysis and experimental validation through a bulge test. Journal of Strain Analysis for Engineering Design, 2021, 56, 206-215.	1.8	4
9	Manufacture and structural performance of modular hybrid FRP-timber thin-walled columns. Composite Structures, 2021, 260, 113506.	5.8	9
10	Curing kinetics of a siloxane pre-ceramic prepreg resin. Ceramics International, 2021, 47, 20678-20685.	4.8	4
11	Compliant curved-crease origami-inspired metamaterials with a programmable force-displacement response. Materials and Design, 2021, 207, 109859.	7.0	12
12	Towards a better understanding of fire performance assessment of faÃ§ade systems: Current situation and a proposed new assessment framework. Construction and Building Materials, 2021, 300, 124301.	7.2	13
13	Hybrid fibre reinforced polymer and seawater sea sand concrete structures: A systematic review on short-term and long-term structural performance. Construction and Building Materials, 2021, 301, 124335.	7.2	52
14	Mechanical properties of hybrid fibre reinforced polymer-timber veneer laminates. Construction and Building Materials, 2021, 301, 124316.	7.2	7
15	A flammability study of aluminium hydroxide (ATH) and ammonium polyphosphate (APP) used with hemp/epoxy composites. Construction and Building Materials, 2021, 304, 124540.	7.2	9
16	Local buckling of FRP thin-walled plates, shells and hollow sections with curved edges and arbitrary lamination. Thin-Walled Structures, 2021, 168, 108242.	5.3	1
17	Stable and Lifelong Head Phantoms Using Polymer Composition Mimicking Materials to Test Electromagnetic Medical Imaging Systems. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 322-328.	3.4	11
18	Compact Unidirectional Conformal Antenna Based on Flexible High-Permittivity Custom-Made Substrate for Wearable Wideband Electromagnetic Head Imaging System. IEEE Transactions on Antennas and Propagation, 2020, 68, 183-194.	5.1	81

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19	The effect of fibre length and fibre type on the fire performance of thermoplastic composites: The behaviour of polycarbonate as an example of a charring matrix. Construction and Building Materials, 2020, 234, 117889.	7.2	13
20	Isothermal differential scanning calorimetry analysis of the anionic polymerisation of polyamide-6: Separation by dual asymmetric gaussians. Materials Today Communications, 2020, 25, 101473.	1.9	4
21	The effect of fibre length and matrix modification on the fire performance of thermoplastic composites: The behaviour of PP as an example of non-charring matrix. Journal of Thermoplastic Composite Materials, 2020, , 089270572092513.	4.2	2
22	Nonlinear rotational stiffness and clash prevention in perforated steel fold lines. Engineering Structures, 2020, 209, 110218.	5.3	6
23	GFRP-to-timber bonded joints: Adhesive selection. International Journal of Adhesion and Adhesives, 2019, 94, 29-39.	2.9	19
24	Fire performance of continuous glass fibre reinforced polycarbonate composites: The effect of fibre architecture on the fire properties of polycarbonate composites. Journal of Composite Materials, 2019, 53, 1705-1715.	2.4	8
25	A biocompatible thermoset polymer binder for Direct Ink Writing of porous titanium scaffolds for bone tissue engineering. Materials Science and Engineering C, 2019, 95, 160-165.	7.3	32
26	Mechanical properties of polyamide 11 reinforced with cellulose nanofibres from Triodia pungens. Cellulose, 2018, 25, 2367-2380.	4.9	14
27	Hybrid fibre-reinforced polymerâ€“timber thin-walled structural members. Advances in Structural Engineering, 2018, 21, 1409-1417.	2.4	12
28	Folded hybrid FRP-timber sections: concept, geometric design and experimental behaviour. Thin-Walled Structures, 2018, 122, 182-192.	5.3	16
29	Additive Manufacturing of Cobalt-Based Dental Alloys: Analysis of Microstructure and Physicomechanical Properties. Advances in Materials Science and Engineering, 2018, 2018, 1-12.	1.8	51
30	Process modelling in Anionically Polymerised Polyamide-6 (APA6) for the in situ polymerisation of composite matrices. Composites Communications, 2018, 8, 111-114.	6.3	2
31	The mechanical properties of natural fibre composite laminates: A statistical study. Composites Part A: Applied Science and Manufacturing, 2017, 98, 99-104.	7.6	66
32	Inverse gas chromatography for natural fibre characterisation: dispersive and acid-base distribution profiles of the surface energy. Cellulose, 2017, 24, 4691-4700.	4.9	24
33	Experimental and numerical analysis of drop-weight low-velocity impact tests on hybrid titanium composite laminates. Journal of Composite Materials, 2016, 50, 3605-3617.	2.4	36
34	Inverse gas chromatography for natural fibre characterisation: Identification of the critical parameters to determine the Brunauerâ€“Emmettâ€“Teller specific surface area. Journal of Chromatography A, 2015, 1425, 273-279.	3.7	46
35	Single-Plant Biocomposite from Ricinus Communis: Preparation, Properties and Environmental Performance. Journal of Polymers and the Environment, 2013, 21, 366-374.	5.0	12
36	Fluorine Mobility During SEM-EDX Analysis: A Challenge for Characterizing Epoxy/Fluoropolymer Interfaces. Journal of Physical Chemistry C, 2013, 117, 16933-16941.	3.1	8

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37	Influence of nonlinearities on the accuracy of the analytical solution for the shaft loaded blister test. International Journal of Solids and Structures, 2011, 48, 1424-1435.	2.7	3
38	Measurements of Interface Fracture Strength between Fiber-Reinforced Composite Laminates and Thin Surface Films Using the Blister Test. Key Engineering Materials, 0, 471-472, 315-319.	0.4	0
39	Morphology of an Interface between Polyetherimide and Epoxy Prepreg. Advanced Materials Research, 0, 393-395, 184-188.	0.3	14
40	Microanalysis Techniques for the Investigation of Interphases Formed between Thermoset and Thermoplastic Polymers: Scanning Electron Microscopy and Energy Dispersive X-Ray Analysis. Key Engineering Materials, 0, 471-472, 309-314.	0.4	2
41	Investigation of ammonium polyphosphate dilution with ground eggshells and lignin through the study of natural fibre composite flammability. Fire and Materials, 0, , .	2.0	2