

James M Griffin

List of Publications by Year in descending order

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25
papers

222
citations

933264

10
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1058333

14
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28
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docs citations

28
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Aromatic tetra-glycidyl ether versus tetra-glycidyl amine epoxy networks: Influence of monomer structure and epoxide conversion. <i>Polymer</i> , 2022, 239, 124401.	1.8	11
2	Machine-Learning Approach to Determine Surface Quality on a Reactor Pressure Vessel (RPV) Steel. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3721.	1.3	2
3	Analysis of Acoustic Emissions for Determination of the Mechanical Effects of Scratch Tests. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6724.	1.3	1
4	Application of machine learning for acoustic emissions waveform to classify galling wear on sheet metal stamping tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 579-596.	1.5	4
5	Analysis of Magnetic Nondestructive Measurement Methods for Determination of the Degradation of Reactor Pressure Vessel Steel. <i>Materials</i> , 2021, 14, 5256.	1.3	4
6	Cure Kinetics and Network Development of a Very High Tg Naphthalene-Based Epoxy Amine Network. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5717-5726.	2.0	6
7	Analysis of Surface Roughness Influence in Non-Destructive Magnetic Measurements Applied to Reactor Pressure Vessel Steels. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8938.	1.3	9
8	Understanding galling wear initiation and progression using force and acoustic emissions sensors. <i>Wear</i> , 2019, 436-437, 202991.	1.5	11
9	Magnetic Barkhausen Noise Method for Characterisation of Low Alloy Steel. , 2019, , .		4
10	The prediction of profile deviations from multi process machining of complex geometrical features using combined evolutionary and neural network algorithms with embedded simulation. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 1171-1189.	4.4	6
11	Multiple classification of the force and acceleration signals extracted during multiple machine processes: part 2 intelligent control simulation perspective. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 3207-3217.	1.5	1
12	Multiple classification of the force and acceleration signals extracted during multiple machine processes: part 1 intelligent classification from an anomaly perspective. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 811-823.	1.5	6
13	Control of deviations and prediction of surface roughness from micro machining of THz waveguides using acoustic emission signals. <i>Mechanical Systems and Signal Processing</i> , 2017, 85, 1020-1034.	4.4	29
14	Real-time simulation of neural network classifications from characteristics emitted by acoustic emission during horizontal single grit scratch tests. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 507-523.	4.4	8
15	Control with micro precision in abrasive machining through the use of acoustic emission signals. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 441-449.	1.1	9
16	Traceability of Acoustic Emission measurements for a proposed calibration method “ Classification of characteristics and identification using signal analysis. <i>Mechanical Systems and Signal Processing</i> , 2015, 50-51, 757-783.	4.4	20
17	BeamMaker: an open hardware high-resolution digital fabricator for the masses. <i>Rapid Prototyping Journal</i> , 2014, 20, 245-255.	1.6	11
18	The prediction of profile deviations when Creep Feed grinding complex geometrical features by use of neural networks and genetic programming with real-time simulation. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 1-16.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Real-time fuzzy-clustering and CART rules classification of the characteristics of emitted acoustic emission during horizontal single-grit scratch tests. International Journal of Advanced Manufacturing Technology, 2014, 74, 481-502.	1.5	14
20	Correlating Acoustic Emission to Calibration Phenomena for Possible Measurement Standard. , 2013, , .		0
21	Fuzzy-Genetic System Applied to Topology Optimization of Cable-Trusses Modular Design. Lecture Notes in Computer Science, 2012, , 232-239.	1.0	3
22	Characteristics of the acoustic emission during horizontal single grit scratch tests: Part 2 classification and grinding tests. International Journal of Abrasive Technology, 2009, 2, 43.	0.2	7
23	Characteristics of the acoustic emission during horizontal single grit scratch tests: Part 1 characteristics and identification. International Journal of Abrasive Technology, 2009, 2, 25.	0.2	11
24	Mechanical and thermal behaviours of grinding acoustic emission. International Journal of Manufacturing Technology and Management, 2007, 12, 184.	0.1	16
25	Classification of the acoustic emission signals of rubbing, ploughing and cutting during single grit scratch tests. International Journal of Nanomanufacturing, 2006, 1, 189.	0.3	12