

# Nicola M Everitt

## List of Publications by Year in descending order

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38  
papers

2,860  
citations

361413  
20  
h-index

315739  
38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing porosity in AlSi10Mg parts processed by selective laser melting. Additive Manufacturing, 2014, 1-4, 77-86.	3.0	608
2	The microstructure and mechanical properties of selectively laser melted AlSi10Mg: The effect of a conventional T6-like heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 667, 139-146.	5.6	478
3	On the formation of AlSi10Mg single tracks and layers in selective laser melting: Microstructure and nano-mechanical properties. Journal of Materials Processing Technology, 2016, 230, 88-98.	6.3	248
4	Improving the fatigue behaviour of a selectively laser melted aluminium alloy: Influence of heat treatment and surface quality. Materials and Design, 2016, 104, 174-182.	7.0	240
5	On the Precipitation Hardening of Selective Laser Melted AlSi10Mg. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3337-3341.	2.2	220
6	Thin film diamond by chemical vapour deposition methods. Chemical Society Reviews, 1994, 23, 21.	38.1	192
7	Cell adhesion and mechanical properties of a flexible scaffold for cardiac tissue engineering. Acta Biomaterialia, 2007, 3, 457-462.	8.3	99
8	Selective laser melting of aluminum alloys. MRS Bulletin, 2017, 42, 311-319.	3.5	88
9	Characterisation of fretting-induced wear debris for Ti-6Al-4 V. Wear, 2009, 267, 283-291.	3.1	76
10	High temperature nanoindentation – the importance of isothermal contact. Philosophical Magazine, 2011, 91, 1221-1244.	1.6	65
11	Mechanical properties of epidermal cells of whole living roots of <i>Arabidopsis thaliana</i> : An atomic force microscopy study. Physical Review E, 2012, 85, 021916.	2.1	54
12	CVD diamond wires and tubes. Diamond and Related Materials, 1994, 3, 810-813.	3.9	47
13	A biomechanical model of anther opening reveals the roles of dehydration and secondary thickening. New Phytologist, 2012, 196, 1030-1037.	7.3	42
14	Comparison of glutaraldehyde and procyanidin cross-linked scaffolds for soft tissue engineering. Materials Science and Engineering C, 2017, 80, 263-273.	7.3	38
15	Zonal release of proteins within tissue engineering scaffolds. Journal of Materials Science: Materials in Medicine, 2006, 17, 1049-1056.	3.6	37
16	CVD diamond-coated fibres. Diamond and Related Materials, 1995, 4, 794-797.	3.9	35
17	Valorisation of shrimp and rice straw waste into food packaging applications. Ain Shams Engineering Journal, 2020, 11, 1219-1226.	6.1	34
18	Recombinant human collagen/chitosan-based soft hydrogels as biomaterials for soft tissue engineering. Materials Science and Engineering C, 2021, 121, 111846.	7.3	34

#	ARTICLE	IF	CITATIONS
19	In-situ mass spectrometric study of the gas-phase species involved in CVD of diamond as a function of filament temperature. <i>Diamond and Related Materials</i> , 1995, 4, 770-774.	3.9	30
20	Microhardness anisotropy of lamellar bone. <i>Journal of Biomechanics</i> , 1997, 30, 1059-1061.	2.1	26
21	Diamond deposition in a hot-filament reactor using different hydrocarbon precursor gases. <i>Applied Surface Science</i> , 1993, 68, 299-305.	6.1	17
22	Preparation of solid and hollow diamond fibres and the potential for diamond fibre metal matrix composites. <i>Journal of Materials Science Letters</i> , 1994, 13, 247-249.	0.5	17
23	Knoop microhardness anisotropy of the ovine radius. <i>Journal of Biomechanics</i> , 2000, 33, 1551-1557.	2.1	16
24	Nanoindentation Shows Uniform Local Mechanical Properties Across Melt Pools And Layers Produced By Selective Laser Melting Of AlSi 10Mg Alloy. <i>Advanced Materials Letters</i> , 2016, 7, 13-16.	0.6	15
25	Looking for Links between Natural Fibres™ Structures and Their Physical Properties. <i>Conference Papers in Materials Science</i> , 2013, 2013, 1-10.	0.1	14
26	Friction measurements on hot filament CVD diamond films deposited on etched tungsten carbide surfaces. <i>Diamond and Related Materials</i> , 1995, 4, 730-734.	3.9	13
27	Using type III recombinant human collagen to construct a series of highly porous scaffolds for tissue regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112139.	5.0	13
28	Deposition of diamond films on sapphire: studies of interfacial properties and patterning techniques. <i>Diamond and Related Materials</i> , 1994, 3, 1375-1380.	3.9	11
29	A low-cost automated focusing system for time-lapse microscopy. <i>Measurement Science and Technology</i> , 2009, 20, 027003.	2.6	10
30	Mechanical Behavior Optimization of Chitosan Extracted from Shrimp Shells as a Sustainable Material for Shopping Bags. <i>Journal of Functional Biomaterials</i> , 2018, 9, 37.	4.4	7
31	A cost-effective, analytical method for measuring metabolic load of mitochondria. <i>Metabolism Open</i> , 2019, 4, 100020.	2.9	6
32	Nano-hardness and microstructure of selective laser melted AlSi10Mg scan tracks. <i>Proceedings of SPIE</i> , 2015, , .	0.8	5
33	Finite indentation of highly curved elastic shells. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170482.	2.1	5
34	CVD diamond growth on germanium for IR window applications. <i>Diamond and Related Materials</i> , 1994, 3, 939-941.	3.9	4
35	The use of decellularised animal tissue to study disseminating cancer cells. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	4
36	Comparison of two models of thin diamond film microhardness data to predict the hardness of CVD diamond. <i>Diamond and Related Materials</i> , 1994, 3, 783-786.	3.9	3

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37	Low molecular weight Neutral Boron Dipyrromethene (Bodipy) dyads for fluorescence-based neural imaging. <i>Journal of Molecular Structure</i> , 2014, 1065-1066, 10-15.	3.6	3
38	Organic Solar Cells Parameters Extraction and Characterization Techniques. <i>Polymers</i> , 2021, 13, 3224.	4.5	3