

# Adam Clare

## List of Publications by Year in descending order

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154  
papers

6,674  
citations

76196

40  
h-index

74018

75  
g-index

156  
all docs

156  
docs citations

156  
times ranked

5060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of in-situ process monitoring and in-situ metrology for metal additive manufacturing. <i>Materials and Design</i> , 2016, 95, 431-445.	3.3	1,025
2	Materials for additive manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2017, 66, 659-681.	1.7	684
3	Laser cladding of Inconel 625 wire for corrosion protection. <i>Journal of Materials Processing Technology</i> , 2015, 217, 232-240.	3.1	256
4	Quantification and characterisation of porosity in selectively laser melted Al <sub>10</sub> Si <sub>10</sub> Mg using X-ray computed tomography. <i>Materials Characterization</i> , 2016, 111, 193-204.	1.9	249
5	Powder Bed Fusion of nickel-based superalloys: A review. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 165, 103729.	6.2	207
6	A parametric study of Inconel 625 wire laser deposition. <i>Journal of Materials Processing Technology</i> , 2013, 213, 2145-2151.	3.1	178
7	Surface integrity in metal machining - Part I: Fundamentals of surface characteristics and formation mechanisms. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 162, 103687.	6.2	168
8	Additive manufacturing of metamaterials: A review. <i>Additive Manufacturing</i> , 2020, 36, 101562.	1.7	125
9	Surface integrity in metal machining - Part II: Functional performance. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 164, 103718.	6.2	118
10	Spatially resolved acoustic spectroscopy for selective laser melting. <i>Journal of Materials Processing Technology</i> , 2016, 236, 93-102.	3.1	104
11	Selective laser melting of high aspect ratio 3D nickel-titanium structures two way trained for MEMS applications. <i>International Journal of Mechanics and Materials in Design</i> , 2008, 4, 181-187.	1.7	98
12	A comparison of Ti-6Al-4V in-situ alloying in Selective Laser Melting using simply-mixed and satellited powder blend feedstocks. <i>Materials Characterization</i> , 2018, 143, 118-126.	1.9	88
13	Energy distribution modulation by mechanical design for electrochemical jet processing techniques. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 122, 32-46.	6.2	86
14	Enhanced sensing and conversion of ultrasonic Rayleigh waves by elastic metasurfaces. <i>Scientific Reports</i> , 2017, 7, 6750.	1.6	84
15	ElectroChemical Jet Machining of Titanium: Overcoming Passivation Layers with Ultrasonic Assistance. <i>Procedia CIRP</i> , 2016, 42, 379-383.	1.0	69
16	Machining of Additively Manufactured Parts: Implications for Surface Integrity. <i>Procedia CIRP</i> , 2016, 45, 119-122.	1.0	68
17	Effect of carbide dissolution on the corrosion performance of tungsten carbide reinforced Inconel 625 wire laser coating. <i>Journal of Materials Processing Technology</i> , 2016, 231, 89-99.	3.1	67
18	Advancing electrochemical jet methods through manipulation of the angle of address. <i>Journal of Materials Processing Technology</i> , 2018, 255, 364-372.	3.1	64

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19	Spatter and oxide formation in laser powder bed fusion of Inconel 718. Additive Manufacturing, 2018, 24, 446-456.	1.7	63
20	Electrical discharge coating of nanostructured TiC-Fe cermets on 304 stainless steel. Surface and Coatings Technology, 2016, 307, 639-649.	2.2	62
21	Creep behaviour of inconel 718 processed by laser powder bed fusion. Journal of Materials Processing Technology, 2018, 256, 13-24.	3.1	58
22	The Influence of Iron in Minimizing the Microstructural Anisotropy of Ti-6Al-4V Produced by Laser Powder-Bed Fusion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2444-2459.	1.1	58
23	Laser Deposition of Ti-6Al-4V Wire with WC Powder for Functionally Graded Components. Materials and Manufacturing Processes, 2013, 28, 514-518.	2.7	57
24	Physical and electrical characteristics of EDM debris. Journal of Materials Processing Technology, 2016, 229, 54-60.	3.1	51
25	In-situ synthesis of titanium aluminides by direct metal deposition. Journal of Materials Processing Technology, 2017, 239, 230-239.	3.1	51
26	Electrolyte Jet Machining of Titanium Alloys Using Novel Electrolyte Solutions. Procedia CIRP, 2016, 42, 367-372.	1.0	50
27	On the machinability of directed energy deposited Ti6Al4V. Additive Manufacturing, 2018, 19, 39-50.	1.7	50
28	Selective Surface Texturing Using Electrolyte Jet Machining. Procedia CIRP, 2014, 13, 345-349.	1.0	49
29	Direct metal deposition of TiB <sub>2</sub> /AlSi10Mg composites using satellited powders. Materials Letters, 2018, 214, 123-126.	1.3	49
30	Surface finishing of intricate metal mould structures by large-area electron beam irradiation. Precision Engineering, 2013, 37, 443-450.	1.8	48
31	Functionally graded Ni-Ti microstructures synthesised in process by direct laser metal deposition. International Journal of Advanced Manufacturing Technology, 2015, 79, 843-850.	1.5	48
32	Tribological behaviour of an electrochemical jet machined textured Al-Si automotive cylinder liner material. Wear, 2017, 376-377, 1611-1621.	1.5	48
33	A parametric study on laser cladding of Ti-6Al-4V wire and WC/W2C powder. International Journal of Advanced Manufacturing Technology, 2016, 87, 3349-3358.	1.5	47
34	Repair of EDM induced surface cracks by pulsed electron beam irradiation. Journal of Materials Processing Technology, 2012, 212, 2642-2651.	3.1	46
35	Workpiece debris deposition on tool electrodes and secondary discharge phenomena in micro-EDM. Journal of Materials Processing Technology, 2012, 212, 1537-1547.	3.1	46
36	The effect of large-area pulsed electron beam melting on the corrosion and microstructure of a Ti6Al4V alloy. Applied Surface Science, 2014, 311, 534-540.	3.1	46

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37	Wear performance of TiC/Fe cermet electrical discharge coatings. <i>Wear</i> , 2018, 402-403, 109-123.	1.5	46
38	A new method for assessing the recyclability of powders within Powder Bed Fusion process. <i>Materials Characterization</i> , 2020, 161, 110167.	1.9	46
39	Assessing the capability of in-situ nondestructive analysis during layer based additive manufacture. <i>Additive Manufacturing</i> , 2017, 13, 135-142.	1.7	42
40	Laser Induced Phased Arrays (LIPA) to detect nested features in additively manufactured components. <i>Materials and Design</i> , 2020, 187, 108412.	3.3	42
41	Laser cladding of rail steel with Co-Cr. <i>Surface Engineering</i> , 2013, 29, 731-736.	1.1	41
42	The influence of shot peening on the fatigue response of Ti-6Al-4V surfaces subject to different machining processes. <i>International Journal of Fatigue</i> , 2018, 111, 196-207.	2.8	41
43	The creep behaviour of nickel alloy 718 manufactured by laser powder bed fusion. <i>Materials and Design</i> , 2021, 204, 109647.	3.3	41
44	Alloy design and adaptation for additive manufacture. <i>Journal of Materials Processing Technology</i> , 2022, 299, 117358.	3.1	41
45	Manufacturing at double the speed. <i>Journal of Materials Processing Technology</i> , 2016, 229, 729-757.	3.1	40
46	Evaluation of selective laser sintering processes by optical coherence tomography. <i>Materials and Design</i> , 2015, 88, 837-846.	3.3	39
47	Microstructure and mechanical properties of Ti-2Al alloyed with Mo formed in laser additive manufacture. <i>Journal of Alloys and Compounds</i> , 2017, 727, 821-831.	2.8	39
48	Microstructure and properties of Ti-6Al-4V fabricated by low-power pulsed laser directed energy deposition. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2027-2037.	5.6	39
49	Tailored elastic surface to body wave Umklapp conversion. <i>Nature Communications</i> , 2020, 11, 3267.	5.8	38
50	Cold sprayed metal-ceramic coatings using satellited powders. <i>Materials Letters</i> , 2017, 198, 184-187.	1.3	37
51	Laser cladding for railway repair and preventative maintenance. <i>Journal of Laser Applications</i> , 2012, 24, .	0.8	36
52	TEM study on the electrical discharge machined surface of single-crystal silicon. <i>Journal of Materials Processing Technology</i> , 2013, 213, 801-809.	3.1	36
53	Process mechanisms based on powder flow spatial distribution in direct metal deposition. <i>Journal of Materials Processing Technology</i> , 2018, 254, 361-372.	3.1	36
54	Defect-free TiC/Si multi-layer electrical discharge coatings. <i>Materials and Design</i> , 2018, 155, 352-365.	3.3	35

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55	Development of quadrupole mass spectrometers using rapid prototyping technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1359-1365.	1.2	34
56	Formation mechanism of electrical discharge TiC-Fe composite coatings. <i>Journal of Materials Processing Technology</i> , 2017, 243, 143-151.	3.1	34
57	Erosion resistance of laser clad Ti-6Al-4V/WC composite for waterjet tooling. <i>Journal of Materials Processing Technology</i> , 2014, 214, 710-721.	3.1	33
58	Nanostructures in austenitic steel after EDM and pulsed electron beam irradiation. <i>Surface and Coatings Technology</i> , 2014, 259, 465-472.	2.2	31
59	Imaging Material Texture of As-Deposited Selective Laser Melted Parts Using Spatially Resolved Acoustic Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1991.	1.3	31
60	Precision enhanced electrochemical jet processing. <i>CIRP Annals - Manufacturing Technology</i> , 2018, 67, 205-208.	1.7	31
61	A validated analytical-numerical modelling strategy to predict residual stresses in single-track laser deposited IN718. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 609-621.	3.6	31
62	Surface improvement of laser clad Ti-6Al-4V using plain waterjet and pulsed electron beam irradiation. <i>Journal of Materials Processing Technology</i> , 2015, 218, 1-11.	3.1	30
63	Transitory electrochemical masking for precision jet processing techniques. <i>Journal of Manufacturing Processes</i> , 2018, 31, 273-285.	2.8	30
64	Effect of post processing on the creep performance of laser powder bed fused Inconel 718. <i>Additive Manufacturing</i> , 2018, 24, 486-497.	1.7	30
65	Oxide and spatter powder formation during laser powder bed fusion of Hastelloy X. <i>Powder Technology</i> , 2019, 354, 333-337.	2.1	30
66	Concurrent Inconel 625 wire and WC powder laser cladding: process stability and microstructural characterisation. <i>Surface Engineering</i> , 2013, 29, 647-653.	1.1	29
67	Crystallographic texture can be rapidly determined by electrochemical surface analytics. <i>Acta Materialia</i> , 2018, 159, 89-101.	3.8	29
68	Development of metal matrix composites by direct energy deposition of "satellited" powders. <i>Journal of Manufacturing Processes</i> , 2019, 45, 429-437.	2.8	27
69	Linear ion trap fabricated using rapid manufacturing technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 317-322.	1.2	26
70	Design of a resonant Luneburg lens for surface acoustic waves. <i>Ultrasonics</i> , 2021, 111, 106306.	2.1	25
71	Toward more realistic viscosity measurements of tyre rubber-bitumen blends. <i>Construction and Building Materials</i> , 2014, 67, 270-278.	3.2	24
72	Machining of functionally graded Ti6Al4V/WC produced by directed energy deposition. <i>Additive Manufacturing</i> , 2018, 24, 20-29.	1.7	24

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73	Amorphous layer formation in Al <sub>86.0</sub> Co <sub>7.6</sub> Ce <sub>6.4</sub> glass-forming alloy by large-area electron beam irradiation. <i>Applied Surface Science</i> , 2013, 280, 431-438.	3.1	23
74	Modelling of single spark interactions during electrical discharge coating. <i>Journal of Materials Processing Technology</i> , 2018, 252, 760-772.	3.1	23
75	Controlling ceramic-reinforcement distribution in laser cladding of MMCs. <i>Surface and Coatings Technology</i> , 2020, 381, 125128.	2.2	23
76	The importance of microstructure in electrochemical jet processing. <i>Journal of Materials Processing Technology</i> , 2018, 262, 459-470.	3.1	22
77	Influence of contact area on the sliding friction and wear behaviour of an electrochemical jet textured Al-Si alloy. <i>Wear</i> , 2019, 426-427, 1336-1344.	1.5	22
78	In-situ alloying in powder bed fusion: The role of powder morphology. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 807, 140849.	2.6	22
79	Pulsed electron beam surface melting of CoCrMo alloy for biomedical applications. <i>Wear</i> , 2013, 301, 250-256.	1.5	21
80	Novel nucleation mechanisms through satelliting in direct metal deposition of Ti-15Mo. <i>Materials Letters</i> , 2018, 213, 197-200.	1.3	21
81	Oscillatory behaviour in the electrochemical jet processing of titanium. <i>Journal of Materials Processing Technology</i> , 2019, 273, 116264.	3.1	21
82	Surface modification of mild steel using a combination of laser and electrochemical processes. <i>Surface and Coatings Technology</i> , 2016, 307, 849-860.	2.2	20
83	Staged thermomechanical testing of nickel superalloys produced by selective laser melting. <i>Materials and Design</i> , 2017, 133, 520-527.	3.3	20
84	Dry-sliding wear and hardness of thick electrical discharge coatings and laser clads. <i>Tribology International</i> , 2020, 150, 106392.	3.0	20
85	Defect Detection and Monitoring in Metal Additive Manufactured Parts through Deep Learning of Spatially Resolved Acoustic Spectroscopy Signals. <i>Smart and Sustainable Manufacturing Systems</i> , 2018, 2, 20180035.	0.3	19
86	On-machine measurement with an electrochemical jet machine tool. <i>International Journal of Machine Tools and Manufacture</i> , 2022, 174, 103859.	6.2	17
87	Targeted rework strategies for powder bed additive manufacture. <i>Additive Manufacturing</i> , 2018, 19, 127-133.	1.7	15
88	Specific and Programmable Surface Structuring by Electrochemical Jet Processing. <i>Procedia CIRP</i> , 2018, 68, 460-465.	1.0	15
89	Human Skeletal Stem Cell Response to Multiscale Topography Induced by Large Area Electron Beam Irradiation Surface Treatment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 91.	2.0	15
90	Tailoring grain morphology in Ti-6Al-3Mo through heterogeneous nucleation in directed energy deposition. <i>Journal of Materials Science and Technology</i> , 2021, 88, 132-142.	5.6	15

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91	Heat-treatment and mechanical properties of cold-sprayed high strength Al alloys from satellited feedstocks. <i>Surface and Coatings Technology</i> , 2019, 374, 21-31.	2.2	14
92	Spheroidisation of metal powder by pulsed electron beam irradiation. <i>Powder Technology</i> , 2019, 350, 100-106.	2.1	14
93	Post processing of additively manufactured parts using electrochemical jet machining. <i>Materials Letters</i> , 2021, 292, 129671.	1.3	14
94	Loose powder detection and surface characterization in selective laser sintering via optical coherence tomography. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160201.	1.0	13
95	Meso-scale defect evaluation of selective laser melting using spatially resolved acoustic spectroscopy. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170194.	1.0	13
96	Machining of directed energy deposited Ti6Al4V using adaptive control. <i>Journal of Manufacturing Processes</i> , 2020, 54, 240-250.	2.8	13
97	Formation of thick electrical discharge coatings. <i>Journal of Materials Processing Technology</i> , 2020, 285, 116801.	3.1	13
98	Magnetically assisted directed energy deposition. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116892.	3.1	13
99	Laser powder bed fusion of a Magnesium-SiC metal matrix composite. <i>Procedia CIRP</i> , 2019, 81, 506-511.	1.0	12
100	A novel numerical method to predict the transient track geometry and thermomechanical effects through in-situ modification of the process parameters in Direct Energy Deposition. <i>Finite Elements in Analysis and Design</i> , 2020, 169, 103347.	1.7	12
101	Laser calorimetry for assessment of melting behaviour in multi-walled carbon nanotube decorated aluminium by laser powder bed fusion. <i>CIRP Annals - Manufacturing Technology</i> , 2020, 69, 197-200.	1.7	12
102	Trapped air metamaterial concept for ultrasonic sub-wavelength imaging in water. <i>Scientific Reports</i> , 2020, 10, 10601.	1.6	12
103	Multi-laser scan strategies for enhancing creep performance in LPBF. <i>Additive Manufacturing</i> , 2021, 41, 101948.	1.7	12
104	The Dependence of Surface Finish on Material Precondition in Electrochemical Jet Machining. <i>Procedia CIRP</i> , 2018, 68, 477-482.	1.0	11
105	On the use of multiple layer thicknesses within laser powder bed fusion and the effect on mechanical properties. <i>Materials and Design</i> , 2021, 212, 110256.	3.3	11
106	Spatially resolved acoustic spectroscopy for integrity assessment in wire-arc additive manufacturing. <i>Additive Manufacturing</i> , 2019, 28, 236-251.	1.7	10
107	Surface enhanced micro features using electrochemical jet processing. <i>CIRP Annals - Manufacturing Technology</i> , 2019, 68, 177-180.	1.7	10
108	Morphology and Wear Behaviour of Single and Multi-layer Electrical Discharge Coatings. <i>Procedia CIRP</i> , 2016, 42, 236-239.	1.0	9

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109	Electrolyte Multiplexing in Electrochemical Jet Processing. Procedia CIRP, 2018, 68, 483-487.	1.0	9
110	Thermal Activation of Electrochemical Seed Surfaces for Selective and Tunable Hydrophobic Patterning. ACS Applied Materials & Interfaces, 2020, 12, 7744-7759.	4.0	9
111	The effect of distortion models on characterisation of real defects using ultrasonic arrays. NDT and E International, 2020, 113, 102263.	1.7	9
112	Fundamental study on releasability of molded rubber from mold tool surface. International Journal of Advanced Manufacturing Technology, 2014, 70, 1515-1521.	1.5	8
113	Direct-writing by active tooling in electrochemical jet processing. Manufacturing Letters, 2019, 19, 15-20.	1.1	8
114	Residual stress in electrical discharge coatings. Surface and Coatings Technology, 2021, 416, 127156.	2.2	8
115	Processability of Atypical WC-Co Composite Feedstock by Laser Powder-Bed Fusion. Materials, 2020, 13, 50.	1.3	7
116	Generation of graded porous structures by control of process parameters in the selective laser melting of a fixed ratio salt-metal feedstock. Journal of Manufacturing Processes, 2020, 55, 249-253.	2.8	7
117	Unveiling surfaces for advanced materials characterisation with large-area electrochemical jet machining. Materials and Design, 2021, 202, 109539.	3.3	7
118	Composition fine-tuning for directed energy deposition of Ti-6Al-4V. Journal of Materials Processing Technology, 2022, 299, 117321.	3.1	7
119	Magnetic manipulation in directed energy deposition using a programmable solenoid. Journal of Materials Processing Technology, 2022, 299, 117342.	3.1	7
120	Effect of prior laser microstructural refinement on the formation of amorphous layer in an Al86Co7.6Ce6.4 alloy. Applied Surface Science, 2014, 289, 230-236.	3.1	6
121	Corrosion behaviour of a rapidly solidified Al 87.4 Co 7.9 Ce 4.7 Ålayer prepared by large area electron beam irradiation. Applied Surface Science, 2014, 320, 581-590.	3.1	6
122	Modelling and Characterisation of Electrical Discharge TiC-Fe Cermets Coatings. Procedia CIRP, 2018, 68, 28-33.	1.0	6
123	Spatially resolved acoustic spectroscopy (SRAS) microstructural imaging. AIP Conference Proceedings, 2019, , .	0.3	6
124	Spatially resolved acoustic spectroscopy for texture imaging in powder bed fusion nickel superalloys. AIP Conference Proceedings, 2019, , .	0.3	6
125	Direct Metal Deposition of Satallited Tiâ€15Mo: Microstructure and Mechanical Properties. Advanced Engineering Materials, 2019, 21, 1900152.	1.6	5
126	Electrolyte design for suspended particulates in electrolyte jet processing. CIRP Annals - Manufacturing Technology, 2017, 66, 201-204.	1.7	4



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127	Salt-metal feedstocks for the creation of stochastic cellular structures with controlled relative density by powder bed fabrication. <i>Materials and Design</i> , 2018, 149, 63-72.	3.3	4
128	Focussed arc tungsten inert gas brazing of zinc-coated steels. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 296-304.	1.5	4
129	“Unit cell” type scan strategies for powder bed fusion: The Hilbert fractal. <i>Additive Manufacturing</i> , 2020, 36, 101588.	1.7	4
130	An ultrasonic metallic Fabry-Pérot metamaterial for use in water. <i>Additive Manufacturing</i> , 2020, 35, 101309.	1.7	4
131	The interaction of volatile metal coatings during the laser powder bed fusion of copper. <i>Journal of Materials Processing Technology</i> , 2022, 299, 117332.	3.1	4
132	Evaluating the thermal characteristics of laser powder bed fusion. <i>Journal of Materials Processing Technology</i> , 2022, 299, 117384.	3.1	4
133	Implications of vector change in electrochemical jet processing. <i>Manufacturing Letters</i> , 2021, 27, 82-86.	1.1	4
134	Towards selective compositionally graded coatings by electrochemical jet processing. <i>Procedia CIRP</i> , 2020, 95, 833-837.	1.0	4
135	Negative refraction in conventional and additively manufactured phononic crystals. , 2019, , .		3
136	Performance Verification of a Flexible Vibration Monitoring System. <i>Machines</i> , 2020, 8, 3.	1.2	3
137	Interlaced layer thicknesses within single laser powder bed fusion geometries. <i>CIRP Annals - Manufacturing Technology</i> , 2021, 70, 203-206.	1.7	3
138	A Metallic Additively Manufactured Metamaterial for Enhanced Monitoring of Acoustic Cavitation-Based Therapeutic Ultrasound. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	3
139	Chemical recovery of spent copper powder in laser powder bed fusion. <i>Additive Manufacturing</i> , 2022, 52, 102711.	1.7	3
140	The role of scan strategies in fatigue performance for laser powder bed fusion. <i>CIRP Annals - Manufacturing Technology</i> , 2022, 71, 185-188.	1.7	3
141	Rapid Prototyping Methodologies for Ceramic Micro Components. <i>Solid State Phenomena</i> , 0, 154, 1-7.	0.3	2
142	In situ low-cost and adaptable braze tool evaluation system with vision analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015, 229, 1595-1602.	1.5	2
143	Effects of tool intermittent vibration on helical internal hole processing in electrochemical machining. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4102-4111.	1.1	2
144	Additive Manufacturing for the Aerospace Industry Edited by F. Froes and R. Boyer Elsevier, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK. 2019. xvi; 465 pp. Illustrated. £175 ISBN 978-0-12-814062-8.. <i>Aeronautical Journal</i> , 2020, 124, 2041-2041.	1.1	2

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145	Holey-structured tungsten metamaterials for broadband ultrasonic sub-wavelength imaging in water. Journal of the Acoustical Society of America, 2021, 150, 74-81.	0.5	2
146	Controlling DC permeability in cast steels. Journal of Magnetism and Magnetic Materials, 2017, 429, 79-85.	1.0	2
147	On the thermomechanical aging of LPBF alloy 718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 841, 142998.	2.6	2
148	Laser cladding for railway repair and preventative maintenance. , 2011, , .		1
149	Stochastic design for additive manufacture of true biomimetic populations. Additive Manufacturing, 2022, 55, 102739.	1.7	1
150	Influence of process parameters and energy density on the microstructure of Ti-6Al-4V wire/wc powder cladding. , 2011, , .		0
151	Towards in-situ process monitoring in selective laser sintering using optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
152	Electrical Machining at Nottingham: A Short History. International Journal of Electrical Machining, 2021, 26, 1.	0.4	0
153	A dual material removal mechanism for clearing of obstructed holes via electrical discharge machining. Manufacturing Letters, 2022, 31, 10-14.	1.1	0
154	Extending powder lifetime in additive manufacturing: chemical etching of stainless steel spatter. Additive Manufacturing Letters, 2022, , 100057.	0.9	0