List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8719654/publications.pdf Version: 2024-02-01

		94433	114465
209	5,535	37	63
papers	citations	h-index	g-index
213	213	213	5589
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Detecting voids in 3D printing using melt pool time series data. Journal of Intelligent Manufacturing, 2022, 33, 845-852.	7.3	22
2	Effect of liquid medium and laser processing parameters on the fabrication of carbon nanoparticles via pulsed laser ablation in liquid towards paper electronics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128151.	4.7	17
3	Corrosion behavior of new rare-earth free Cu-based metallic glasses in NaCl solution of different molarity. Journal of Materials Research and Technology, 2022, 16, 482-494.	5.8	10
4	Laser surface polishing of Ti-6Al-4V parts manufactured by laser powder bed fusion. Surface and Coatings Technology, 2022, 434, 128179.	4.8	29
5	Silver nanocolloid generation using dynamic Laser Ablation Synthesis in Solution system and drop-casting. Nano Structures Nano Objects, 2022, 29, 100841.	3.5	14
6	Assessing dependency of part properties on the printing location in laser-powder bed fusion metal additive manufacturing. Materials Today Communications, 2022, 30, 103209.	1.9	8
7	Effects of powder compression and laser re-melting on the microstructure and mechanical properties of additively manufactured parts in laser-powder bed fusion. Results in Materials, 2022, 13, 100264.	1.8	6
8	Surface Functionalized MXenes for Wastewater Treatment—A Comprehensive Review. Global Challenges, 2022, 6, .	3.6	14
9	Laser-powder bed fusion of silicon carbide reinforced 316L stainless steel using a sinusoidal laser scanning strategy. Journal of Materials Research and Technology, 2022, 18, 2672-2698.	5.8	12
10	Digitisation of metal AM for part microstructure and property control. International Journal of Material Forming, 2022, 15, 30.	2.0	6
11	A Magnetic Nanoparticle-Doped Photopolymer for Holographic Recording. Polymers, 2022, 14, 1858.	4.5	10
12	Microstructure and corrosion evaluation of as-built and heat-treated 316L stainless steel manufactured by laser powder bed fusion. Journal of Materials Research and Technology, 2022, 18, 4104-4113.	5.8	14
13	Prediction of Microstructure for AISI316L Steel from Numerical Simulation of Laser Powder Bed Fusion. Metals and Materials International, 2022, 28, 2735-2746.	3.4	2
14	Control of Ni-Ti phase structure, solid-state transformation temperatures and enthalpies via control of L-PBF process parameters. Materials and Design, 2022, 218, 110715.	7.0	15
15	Laser-powder bed fusion in-process dispersion of reinforcing ceramic nanoparticles onto powder beds via colloid nebulisation. Materials Chemistry and Physics, 2022, 287, 126245.	4.0	2
16	Investigating the morphology, hardness, and porosity of copper filters produced via Hydraulic Pressing. Journal of Materials Research and Technology, 2022, 19, 208-219.	5.8	6
17	Exopolysaccharides of Lactic Acid Bacteria: Production, Purification and Health Benefits towards Functional Food. Nutrients, 2022, 14, 2938.	4.1	45
18	Recrystallization and grain growth kinetics of IN718 manufactured by laser powder bed fusion. Journal of Materials Research and Technology, 2022, 19, 4242-4257.	5.8	18

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19	Investigation of the microstructure and phase evolution across multi-material Ni50.83Ti49.17-AISI 316L alloy interface fabricated using laser powder bed fusion (L-PBF). Materials and Design, 2022, 221, 110947.	7.0	8
20	Magnesium nanoparticle synthesis from powders via LASIS – Effects of liquid medium, laser pulse width and ageing on nanoparticle size, concentration, stability and electrical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129651.	4.7	8
21	Additive-free silver nanoparticle ink development using flow-based Laser Ablation Synthesis in Solution and Aerosol Jet printing. Chemical Engineering Journal, 2022, 449, 137817.	12.7	13
22	Incorporation of SiC Ceramic Nanoparticles into the Aluminum Matrix by a Novel Method: Production of a Metal Matrix Composite. Metals and Materials International, 2021, 27, 2968-2976.	3.4	19
23	Advanced production routes for metal matrix composites. Engineering Reports, 2021, 3, e12330.	1.7	56
24	Electrochemical and chronoamperometry assessment of nano‑gold sensor surfaces produced via novel laser fabrication methods. Journal of Electroanalytical Chemistry, 2021, 880, 114813.	3.8	2
25	Solid State Routes for Composite Materials Production. , 2021, , 730-743.		0
26	Powder characterizationâ \in "methods, standards, and state of the art. , 2021, , 491-527.		3
27	Multi-Material Production of 4D Shape Memory Polymer Composites. , 2021, , 879-894.		4
28	Additive Manufacturing for Sustainability of Composite Materials Production. , 2021, , 263-275.		1
29	Influences of powder morphology and spreading parameters on the powder bed topography uniformity in powder bed fusion metal additive manufacturing. Additive Manufacturing, 2021, 38, 101807.	3.0	40
30	Real-time monitoring and control for high-efficiency autonomous laser fabrication of silicon nanoparticle colloids. International Journal of Advanced Manufacturing Technology, 2021, 114, 291-304.	3.0	12
31	MXene materials based printed flexible devices for healthcare, biomedical and energy storage applications. Materials Today, 2021, 43, 99-131.	14.2	107
32	Nano-scale simulation of directional solidification in TWIP stainless steels: A focus on plastic deformation mechanisms. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 812, 140999.	5.6	8
33	Microstructural and mechanical evaluation of post-processed SS 316L manufactured by laser-based powder bed fusion. Journal of Materials Research and Technology, 2021, 12, 210-220.	5.8	22
34	Comparison of the porosity and mechanical performance of 316L stainless steel manufactured on different laser powder bed fusion metal additive manufacturing machines. Journal of Materials Research and Technology, 2021, 13, 2361-2374.	5.8	40
35	Additive Manufacturing of Bone Scaffolds Using PolyJet and Stereolithography Techniques. Applied Sciences (Switzerland), 2021, 11, 7336.	2.5	12
36	CO2 laser polishing of laser-powder bed fusion produced AlSi10Mg parts. Surface and Coatings Technology, 2021, 419, 127291.	4.8	32

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37	XPS, SEM, DSC and Nanoindentation Characterization of Silver Nanoparticle-Coated Biopolymer Pellets. Applied Sciences (Switzerland), 2021, 11, 7706.	2.5	23
38	Laser beam powder bed fusion of nitinol shape memory alloy (SMA). Journal of Materials Research and Technology, 2021, 14, 2554-2570.	5.8	47
39	Review of Materials and Fabrication Methods for Flexible Nano and Micro-Scale Physical and Chemical Property Sensors. Applied Sciences (Switzerland), 2021, 11, 8563.	2.5	17
40	In-situ sensing, process monitoring and machine control in Laser Powder Bed Fusion: A review. Additive Manufacturing, 2021, 45, 102058.	3.0	73
41	Dominant roles of eccentricity, fin design, and nanoparticles in performance enhancement of latent thermal energy storage unit. Journal of Energy Storage, 2021, 43, 103181.	8.1	27
42	XPS, SEM, AFM, and Nano-Indentation characterization for powder recycling within additive manufacturing process. IOP Conference Series: Materials Science and Engineering, 2021, 1182, 012025.	0.6	28
43	Magnesium Nanoparticle Synthesis from Powders via Pulsed Laser Ablation in Liquid for Nanocolloid Production. Applied Sciences (Switzerland), 2021, 11, 10974.	2.5	15
44	Dry Milling of Aluminum and Ceramic Nanoparticles for a Particulate-Injection Casting of Aluminum Matrix Nanocomposites. Silicon, 2020, 12, 913-920.	3.3	3
45	The Circular Economy: Additive Manufacturing and Impacts for Materials Processing. , 2020, , 81-92.		7
46	Advanced materials of printed wearables for physiological parameter monitoring. Materials Today, 2020, 32, 147-177.	14.2	110
47	Strength-ductility trade-off via SiC nanoparticle dispersion in A356 aluminium matrix. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 771, 138639.	5.6	19
48	Development of BMC-B2 nanocomposite structure in HAZ during laser surface processing of ZrCuNiAlTi bulk metallic glasses. Applied Surface Science, 2020, 505, 144535.	6.1	5
49	Determination of atomic-scale structure and compressive behavior of solidified AlxCrCoFeCuNi high entropy alloys. International Journal of Mechanical Sciences, 2020, 171, 105389.	6.7	33
50	Study of the plastic deformation mechanism of TRIP–TWIP high entropy alloys at the atomic level. International Journal of Plasticity, 2020, 127, 102649.	8.8	59
51	Trace multi-class organic explosives analysis in complex matrices enabled using LEGO®-inspired clickable 3D-printed solid phase extraction block arrays. Journal of Chromatography A, 2020, 1629, 461506.	3.7	15
52	Comprehensive assessment of spatter material generated during selective laser melting of stainless steel. Materials Today Communications, 2020, 25, 101294.	1.9	24
53	Comparing the adhesion strength of 316L stainless steel joints after laser surface texturing by CO2 and fiber lasers. International Journal of Advanced Manufacturing Technology, 2020, 109, 1059-1069.	3.0	10
54	316L Stainless Steel Powders for Additive Manufacturing: Relationships of Powder Rheology, Size, Size Distribution to Part Properties. Materials, 2020, 13, 5537.	2.9	19

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55	"Nano― An Emerging Avenue in Electrochemical Detection of Neurotransmitters. ACS Chemical Neuroscience, 2020, 11, 4024-4047.	3.5	39
56	Experimental and empirical model analysis of microsurface texturing on 316 L press-fit joints fabricated by selective laser melting. International Journal of Advanced Manufacturing Technology, 2020, 108, 2687-2699.	3.0	10
57	Stable nano-silver colloid production via Laser Ablation Synthesis in Solution (LASiS) under laminar recirculatory flow. Advances in Materials and Processing Technologies, 2020, 6, 677-685.	1.4	7
58	Ti6Al4V functionally graded material via high power and high speed laser surface modification. Surface and Coatings Technology, 2020, 398, 126085.	4.8	14
59	A new method for assessing the recyclability of powders within Powder Bed Fusion process. Materials Characterization, 2020, 161, 110167.	4.4	46
60	Assessment of thermo-hydraulic performance of inward dimpled tubes with variation in angular orientations. Applied Thermal Engineering, 2020, 170, 115040.	6.0	25
61	Comparative study of a cubic, Kelvin and Weaire-Phelan unit cell for the prediction of the thermal conductivity of low density silica aerogels. Microporous and Mesoporous Materials, 2020, 301, 110206.	4.4	11
62	An Evaluation of Classification Methods for 3D Printing Time-Series Data. IFAC-PapersOnLine, 2020, 53, 8211-8216.	0.9	9
63	X-ray Tomography, AFM and Nanoindentation Measurements for Recyclability Analysis of 316L Powders in 3D Printing Process. Procedia Manufacturing, 2020, 47, 1113-1116.	1.9	23
64	High-efficiency generation of nanomaterials via laser ablation synthesis in solution with in-situ diagnostics for closed-loop control. , 2020, , .		1
65	Wearable Devices for Monitoring Work related Musculoskeletal and Gait Disorders. , 2020, , .		1
66	Laser surface texturing for the improvement of press-fit joint bond strength. AIP Conference Proceedings, 2019, , .	0.4	0
67	Hot rolling effects on as-cast aluminum matrix nanocomposites reinforced by nano-sized ceramic powders. AIP Conference Proceedings, 2019, , .	0.4	0
68	Semi-solid stirring of modified ceramic nanoparticles using iron and nickel in an aluminum A356 melt. Materials Research Express, 2019, 6, 096553.	1.6	0
69	Evaluation via powder metallurgy of nano-reinforced iron powders developed for selective laser melting applications. Materials and Design, 2019, 182, 108046.	7.0	30
70	Fast Ferroelectric Liquid Crystal Based Optical Switch: Simulation and Experiments. Crystals, 2019, 9, 388.	2.2	3
71	Enhanced organic species identification via laser structuring of carbon monolithic surfaces. Applied Surface Science, 2019, 493, 829-837.	6.1	0
72	Improving precision in the prediction of laser texturing and surface interference of 316L assessed by neural network and adaptive neuro-fuzzy inference models. International Journal of Advanced Manufacturing Technology, 2019, 104, 4571-4580.	3.0	12

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73	Demonstration of an optical biosensor for the detection of faecal indicator bacteria in freshwater and coastal bathing areas. Analytical and Bioanalytical Chemistry, 2019, 411, 7637-7643.	3.7	11
74	Chemical surface modification of polyethylene terephthalate (PET) films using extreme ultraviolet. AIP Conference Proceedings, 2019, , .	0.4	0
75	Fe2O3 sensor for breath gas sensing. AIP Conference Proceedings, 2019, , .	0.4	1
76	Recyclability of stainless steel (316â€L) powder within the additive manufacturing process. Materialia, 2019, 8, 100489.	2.7	56
77	Improved determination of femtogram-level organic explosives in multiple matrices using dual-sorbent solid phase extraction and liquid chromatography-high resolution accurate mass spectrometry. Talanta, 2019, 203, 65-76.	5.5	24
78	A comparison between hot-rolling process and twin-screw rheo-extrusion process for fabrication of aluminum matrix nanocomposite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 760, 152-157.	5.6	6
79	Standardized traction versus side-bending radiographs in adolescent idiopathic scoliosis: a preliminary study. Journal of Pediatric Orthopaedics Part B, 2019, 28, 17-21.	0.6	5
80	Laser Polishing of Additive Manufactured 316L Stainless Steel Synthesized by Selective Laser Melting. Materials, 2019, 12, 991.	2.9	66
81	Laryngoscope burn risk in neonatal intubation. European Journal of Pediatrics, 2019, 178, 1125-1127.	2.7	1
82	Study on the incorporation of ceramic nanoparticles into the semi-solid A356 melt. Materials Chemistry and Physics, 2019, 230, 25-36.	4.0	12
83	Advances in Selective Laser Melting of Nitinol Shape Memory Alloy Part Production. Materials, 2019, 12, 809.	2.9	59
84	Threshold fluences for conditioning, fatigue and damage effects of DKDP crystals. Optical Materials, 2019, 91, 199-204.	3.6	4
85	Thermal analysis of mechanically activated Al-(Fe2O3, MoO3, and MnO2) metastable intermolecular composites. Materials Research Express, 2019, 6, 055516.	1.6	3
86	XPS, XRD, and SEM characterization of the virgin and recycled metallic powders for 3D printing applications. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012016.	0.6	14
87	Prediction of Mechanical Properties of Graphene Oxide Reinforced Aluminum Composites. Metals, 2019, 9, 1077.	2.3	4
88	Effect of powder metallurgy synthesis parameters for pure aluminium on resultant mechanical properties. International Journal of Material Forming, 2019, 12, 79-87.	2.0	11
89	Research Trend in the Recycling Processes of Plastics and Polymer Matrix-Based Products. , 2019, , .		0
90	Effect of Surface Roughness on CO2 Laser Absorption by 316L Stainless Steel and Aluminum. Materials Performance and Characterization, 2019, 8, 20180091.	0.3	4

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91	Development of Laser Processing Technologies via Experimental Design. , 2018, , 707-729.		4
92	Taguchi method modelling of Nd:YAG laser ablation of microchannels on cyclic olefin polymer film. Optics and Laser Technology, 2018, 106, 265-271.	4.6	8
93	Review of duplex electroless coatings and their properties. Advances in Materials and Processing Technologies, 2018, 4, 448-465.	1.4	11
94	Mechanical properties of graphene oxide reinforced aluminium matrix composites. Composites Part B: Engineering, 2018, 145, 136-144.	12.0	97
95	Fabrication of A356-based rolled composites reinforced by Ni–P-coated bimodal ceramic particles. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 803-815.	1.1	5
96	Microstructural characterization of ball-milled metal matrix nanocomposites (Cr, Ni, Ti)-25 wt% (Al ₂ O _{3np} , SiC _{np}). Particulate Science and Technology, 2018, 36, 72-83.	2.1	13
97	Enhanced mechanical properties of in situ aluminium matrix composites reinforced by alumina nanoparticles. Archives of Civil and Mechanical Engineering, 2018, 18, 215-226.	3.8	58
98	Advanced Characterisation Techniques for Nanostructures. , 2018, , 55-93.		2
99	Laser surface texturing of stainless steel 316L cylindrical pins for interference fit applications. Journal of Materials Processing Technology, 2018, 252, 58-68.	6.3	28
100	Laser surface processing with controlled nitrogen-argon concentration levels for regulated surface life time. Optics and Lasers in Engineering, 2018, 102, 154-160.	3.8	15
101	Modelling and optimisation of single-step laser-based gold nanostructure deposition with tunable optical properties. Optics and Laser Technology, 2018, 108, 295-305.	4.6	3
102	Investigating the effect of the high power and high speed CO2 laser surface melting on the residual stresses and corrosion resistance of 316L stainless steel. AIP Conference Proceedings, 2018, , .	0.4	1
103	Optimizing selective laser sintering process by grey relational analysis and soft computing techniques. Optik, 2018, 174, 185-194.	2.9	18
104	Manufacturing of copper coated SiC ceramic particles for metal matrix composites: optimizing the electroless deposition parameters. Materials Research Express, 2018, 5, 106515.	1.6	5
105	Modification of Polymer Substrates with Extreme Ultraviolet - Potential Application in Cancer Cell Identification. Acta Physica Polonica A, 2018, 133, 283-285.	0.5	1
106	Stir casting process for manufacture of Al–SiC composites. Rare Metals, 2017, 36, 581-590.	7.1	171
107	Manufacturing of cast A356 matrix composite reinforced with nano- to micrometer-sized SiC particles. Rare Metals, 2017, 36, 46-54.	7.1	24
108	Nanoparticle functionalized laser patterned substrate: an innovative route towards low cost biomimetic platforms. RSC Advances, 2017, 7, 8060-8069.	3.6	9

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109	New strategies for stationary phase integration within centrifugal microfluidic platforms for applications in sample preparation and pre-concentration. Analytical Methods, 2017, 9, 1998-2006.	2.7	13
110	Tensile properties of AlCrCoFeCuNi glassy alloys: A molecular dynamics simulation study. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 143-151.	5.6	53
111	Physical integrity of 3D printed parts for use as embossing tools. Advances in Materials and Processing Technologies, 2017, 3, 308-317.	1.4	4
112	An evaluation of components manufactured from a range of materials, fabricated using PolyJet technology. Advances in Materials and Processing Technologies, 2017, 3, 318-329.	1.4	16
113	Pulsed laser deposition of plasmonic nanostructured gold on flexible transparent polymers at atmospheric pressure. Journal Physics D: Applied Physics, 2017, 50, 245303.	2.8	19
114	Graphene and derivatives – Synthesis techniques, properties and their energy applications. Energy, 2017, 140, 766-778.	8.8	119
115	Microstructure and morphological study of ball-milled metal matrix nanocomposites. Physics of Metals and Metallography, 2017, 118, 749-758.	1.0	14
116	Laser surface texturing for high control of interference fit joint load bearing. AIP Conference Proceedings, 2017, , .	0.4	0
117	Parametric study for graphene reinforced aluminum matrix composites production using Box Behnken design. AIP Conference Proceedings, 2017, , .	0.4	Ο
118	Surface roughness control by extreme ultraviolet (EUV) radiation. AIP Conference Proceedings, 2017, ,	0.4	4
119	Mitigation and control of the overcuring effect in mask projection micro-stereolithography. AIP Conference Proceedings, 2017, , .	0.4	11
120	Response of a Zn2TiO4 Gas Sensor to Propanol at Room Temperature. Sensors, 2017, 17, 1995.	3.8	20
121	Methacrylate Polymer Monoliths for Separation Applications. Materials, 2016, 9, 446.	2.9	23
122	Laser-assisted synthesis of ultrapure nanostructures for biological sensing applications. Proceedings of SPIE, 2016, , .	0.8	2
123	Surface modification of AISI H13 tool steel by laser cladding with NiTi powder. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	32
124	Effect of SiC particle morphology on Co–P electroless coating characteristics. Surface Engineering, 2016, 32, 391-396.	2.2	10
125	Methodology of laser processing for precise control of surface micro-topology. Surface and Coatings Technology, 2016, 307, 702-712.	4.8	23
126	Molecular dynamic simulation of edge dislocation-void interaction in pure Al and Al-Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 82-90.	5.6	16

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127	Xurography actuated valving for centrifugal flow control. Lab on A Chip, 2016, 16, 3454-3459.	6.0	29
128	Microchannel fabrication on cyclic olefin polymer substrates via 1064 nm Nd:YAG laser ablation. Applied Surface Science, 2016, 387, 603-608.	6.1	33
129	Powder processing methodology for production of graphene oxide reinforced aluminium matrix composites. Advances in Materials and Processing Technologies, 2016, 2, 437-450.	1.4	10
130	Corrosion behaviour of rolled A356 matrix composite reinforced with ceramic particles. International Journal of Materials Research, 2016, 107, 1100-1111.	0.3	5
131	Graphene oxide and graphene nanosheet reinforced aluminium matrix composites: Powder synthesis and prepared composite characteristics. Materials and Design, 2016, 94, 87-94.	7.0	176
132	Fabrication of aluminum matrix composites reinforced with nano- to micrometer-sized SiC particles. Materials and Design, 2016, 89, 58-70.	7.0	143
133	ColiSense, today's sample today: A rapid on-site detection of β-d-Glucuronidase activity in surface water as a surrogate for E. coli. Talanta, 2016, 148, 75-83.	5.5	39
134	Extreme Ultraviolet Surface Modification of Polyethylene Terephthalate (PET) for Surface Structuring and Wettability Control. Acta Physica Polonica A, 2016, 129, 241-243.	0.5	17
135	Mechanical Properties of Thixoformed 7075 Feedstock Produced via the Direct Thermal Method. Key Engineering Materials, 2015, 651-653, 1569-1574.	0.4	5
136	An Innovative Two-Stage Reheating Process for Wrought Aluminum Alloy During Thixoforming. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4191-4201.	2.2	22
137	<i>In vitro</i> fibroblast and pre-osteoblastic cellular responses on laser surface modified Ti–6Al–4V. Biomedical Materials (Bristol), 2015, 10, 015007.	3.3	35
138	Laser assisted synthesis of carbon nanoparticles with controlled viscosities for printing applications. Journal of Colloid and Interface Science, 2015, 447, 263-268.	9.4	52
139	Mechanical properties of rolled A356 based composites reinforced by Cu-coated bimodal ceramic particles. Materials and Design, 2015, 83, 678-688.	7.0	52
140	A comparison study of applying metallic coating on SiC particles for manufacturing of cast aluminum matrix composites. International Journal of Advanced Manufacturing Technology, 2015, 81, 433-444.	3.0	28
141	Estimation of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish smoker rheumatoid arthritis consumers. Environmental Monitoring and Assessment, 2015, 187, 157.	2.7	24
142	Extreme ultraviolet (EUV) surface modification of polytetrafluoroethylene (PTFE) for control of biocompatibility. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 98-107.	1.4	32
143	Strengthening mechanisms of graphene sheets in aluminium matrix nanocomposites. Materials and Design, 2015, 88, 983-989.	7.0	138
144	A Novel Method for Incorporation of Micron-Sized SiC Particles into Molten Pure Aluminum Utilizing a Co Coating. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 12-19.	2.1	27

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145	Assessment of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish hypertensive consumers. Journal of Human Hypertension, 2015, 29, 309-315.	2.2	11
146	Rapid Solidification Processing and Bulk Metallic Glass Casting. , 2014, , 69-88.		7
147	Advances in three-dimensional rapid prototyping of microfluidic devices for biological applications. Biomicrofluidics, 2014, 8, 052112.	2.4	114
148	Permeability of rapid prototyped artificial bone scaffold structures. Journal of Biomedical Materials Research - Part A, 2014, 102, 4127-4135.	4.0	32
149	Surface modification of polymers for biocompatibility via exposure to extreme ultraviolet radiation. Journal of Biomedical Materials Research - Part A, 2014, 102, 3298-3310.	4.0	71
150	Injection Tests and Effect on Microstructure and Properties of Aluminium 7075 Direct Thermal Method Feedstock Billets. Key Engineering Materials, 2014, 611-612, 1637-1644.	0.4	6
151	Effect of interfacial-active elements addition on the incorporation of micron-sized SiC particles in molten pure aluminum. Ceramics International, 2014, 40, 8323-8332.	4.8	49
152	Liquid Phase – Pulsed Laser Ablation: A route to fabricate different carbon nanostructures. Applied Surface Science, 2014, 302, 141-144.	6.1	48
153	The Effect of Direct Thermal Method, Temperature and Time on Microstructure of a Cast Aluminum Alloy. Materials and Manufacturing Processes, 2014, 29, 134-139.	4.7	19
154	Fast Fabrication Process of Microfluidic Devices Based on Cyclic Olefin Copolymer. Materials and Manufacturing Processes, 2014, 29, 93-99.	4.7	29
155	3D printed metal columns for capillary liquid chromatography. Analyst, The, 2014, 139, 6343-6347.	3.5	87
156	Focussed ion beam serial sectioning and imaging of monolithic materials for 3D reconstruction and morphological parameter evaluation. Analyst, The, 2014, 139, 99-104.	3.5	9
157	Electroless deposition (ED) of copper coating on micron-sized SiC particles. Surface Engineering, 2014, 30, 747-751.	2.2	18
158	Effect of electroless coating parameters and ceramic particle size on fabrication of a uniform Ni–P coating on SiC particles. Ceramics International, 2014, 40, 12149-12159.	4.8	47
159	Spinodal decomposition in AISI 316L stainless steel via high-speed laser remelting. Applied Surface Science, 2014, 302, 318-321.	6.1	13
160	O-211â€Larnygoscope Burns In Neonatal Intubation. Archives of Disease in Childhood, 2014, 99, A105.2-A105.	1.9	0
161	Polycarbonate Polymer Surface Modification by Extreme Ultraviolet (EUV) Radiation. Acta Physica Polonica A, 2014, 125, 924-928.	0.5	17
162	Adsorption and Desorption of Methylene Blue on Porous Carbon Monoliths and Nanocrystalline Cellulose. ACS Applied Materials & Interfaces, 2013, 5, 8796-8804.	8.0	302

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163	Fabrication and Characterization of Nanotemplated Carbon Monolithic Material. ACS Applied Materials & Interfaces, 2013, 5, 8572-8580.	8.0	10
164	Estimation of toxic elements in the samples of different cigarettes and their impact on human health of Irish hypertensive consumers. Clinica Chimica Acta, 2013, 426, 51-57.	1.1	16
165	Comparative metal distribution in scalp hair of Pakistani and Irish referents and diabetes mellitus patients. Clinica Chimica Acta, 2013, 415, 207-214.	1.1	31
166	Atomic diffusion in laser surface modified AISI H13 steel. Applied Physics A: Materials Science and Processing, 2013, 112, 139-142.	2.3	5
167	The Outcome of Sintering Parameters Study toward the Thermal Properties of CuSiC Composite. Key Engineering Materials, 2013, 594-595, 702-706.	0.4	1
168	A Powered Technique for Inserting Acetabular Cups. Advanced Materials Research, 2012, 445, 1011-1016.	0.3	2
169	Laser Processing of Quartz for Microfluidic Device Fabrication. Advanced Materials Research, 2012, 445, 436-441.	0.3	4
170	Permeability of Rapid Prototyped Artificial Bone Scaffold Structures. Advanced Materials Research, 2012, 445, 607-612.	0.3	2
171	Thermal Simulation of Laser Surface Modification of H13 Die Steel. Key Engineering Materials, 2012, 504-506, 351-356.	0.4	9
172	Interaction between essential trace and toxic elements in the scalp hair samples of smokers and alcohol user diabetics. International Journal of Diabetes in Developing Countries, 2012, 32, 151-162.	0.8	1
173	Interaction Between Zinc, Cadmium, and Lead in Scalp Hair Samples of Pakistani and Irish Smokers Rheumatoid Arthritis Subjects in Relation to Controls. Biological Trace Element Research, 2012, 148, 139-147.	3.5	35
174	High speed laser surface modification of Ti–6Al–4V. Surface and Coatings Technology, 2012, 206, 3223-3229.	4.8	74
175	Centrifugally-driven sample extraction, preconcentration and purification in microfluidic compact discs. TrAC - Trends in Analytical Chemistry, 2011, 30, 1575-1586.	11.4	24
176	Evaluation of Essential Trace and Toxic Elements in Scalp Hair Samples of Smokers and Alcohol User Hypertensive Patients. Biological Trace Element Research, 2011, 143, 1349-1366.	3.5	17
177	Comparative Metal Distribution in Scalp Hair of Pakistani and Irish Referents and Hypertensive Patients. Biological Trace Element Research, 2011, 143, 1367-1382.	3.5	8
178	Characteristics of silicon nanocrystals for photovoltaic applications. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 604-607.	1.8	14
179	Laser Surface Modification of H13 Die Steel using Different Laser Spot Sizes. , 2011, , .		6

180 Characterisation of Laser Modified WC-CoCr Coatings. , 2011, , .

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#	Article	IF	CITATIONS
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