

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

527 papers	11,515 citations	53 h-index	79 g-index
549 ext. papers	14,279 ext. citations	4.6 avg, IF	6.8 L-index

#	Paper	IF	Citations
527	Adsorption of hydroxyl- and amino-substituted aromatics to carbon nanotubes. <i>Environmental Science & Technology</i> , 2008 , 42, 6862-8	10.3	304
526	Replacing PCR with COLD-PCR enriches variant DNA sequences and redefines the sensitivity of genetic testing. <i>Nature Medicine</i> , 2008 , 14, 579-84	50.5	301
525	Biochar produced from oak sawdust by Lanthanum (La)-involved pyrolysis for adsorption of ammonium (NH ₄ ⁽⁺⁾), nitrate (NO ₃ ⁽⁻⁾), and phosphate (PO ₄ ⁽³⁻⁾). <i>Chemosphere</i> , 2015 , 119, 646-653	8.4	270
524	Study on microstructure and mechanical properties of laser rapid forming Inconel 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 119-124	5.3	250
523	Microstructure and residual stress of laser rapid formed Inconel 718 nickel-base superalloy. <i>Optics and Laser Technology</i> , 2011 , 43, 208-213	4.2	199
522	The effect of laser scanning path on microstructures and mechanical properties of laser solid formed nickel-base superalloy Inconel 718. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4505-4509	5.7	168
521	Microstructure and deformation behavior of Ti-6Al-4V alloy by high-power laser solid forming. <i>Acta Materialia</i> , 2017 , 132, 82-95	8.4	147
520	Solidification behaviour in laser cladding of AlCoCrCuFeNi high-entropy alloy on magnesium substrates. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 588-593	5.7	122
519	A facile solvent-manipulated mesh for reversible oil/water separation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12821-6	9.5	122
518	Microstructure and Corrosion Properties of AlCoCrFeNi High Entropy Alloy Coatings Deposited on AISI 1045 Steel by the Electrospark Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 1767-1778	2.3	114
517	The influence of Laves phases on the high-cycle fatigue behavior of laser additive manufactured Inconel 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 695, 6-13	5.3	109
516	In situ synthesizing Al ₃ Ni for fabrication of intermetallic-reinforced aluminum alloy composites by friction stir processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 550, 279-285	5.3	106
515	The recent progress on three-dimensional porous graphene-based hybrid structure for supercapacitor. <i>Composites Part B: Engineering</i> , 2019 , 165, 10-46	10	105
514	Molecular evolutionary and structural analysis of the cytosolic DNA sensor cGAS and STING. <i>Nucleic Acids Research</i> , 2014 , 42, 8243-57	20.1	96
513	Evaluating the relationships among economic growth, energy consumption, air emissions and air environmental protection investment in China. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 18, 259-270	16.2	95
512	Laser solid forming Zr-based bulk metallic glass. <i>Intermetallics</i> , 2012 , 22, 110-115	3.5	95
511	Microstructure and phase evolution in laser rapid forming of a functionally graded TiBene88DT alloy. <i>Acta Materialia</i> , 2006 , 54, 1901-1915	8.4	95

510	Optimization of wire feed for GTAW based additive manufacturing. <i>Journal of Materials Processing Technology</i> , 2017 , 243, 40-47	5.3	89
509	The effect of hot isostatic pressing on crack healing, microstructure, mechanical properties of Rene88DT superalloy prepared by laser solid forming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 504, 129-134	5.3	88
508	Research on molten pool temperature in the process of laser rapid forming. <i>Journal of Materials Processing Technology</i> , 2008 , 198, 454-462	5.3	86
507	First-principles study of the relaxation and energy of bcc-Fe, fcc-Fe and AISI-304 stainless steel surfaces. <i>Applied Surface Science</i> , 2009 , 255, 9032-9039	6.7	84
506	Laser rapid forming of SS316L/Rene88DT graded material. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 391, 325-336	5.3	81
505	Emergence of novel European genotype porcine reproductive and respiratory syndrome virus in mainland China. <i>Journal of General Virology</i> , 2011 , 92, 880-92	4.9	80
504	Microstructure and mechanical properties of laser forming repaired 17-4PH stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 553, 80-88	5.3	78
503	The influences of processing parameters on forming characterizations during laser rapid forming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 360, 18-25	5.3	78
502	Transport of fullerene nanoparticles (nC60) in saturated sand and sandy soil: controlling factors and modeling. <i>Environmental Science & Technology</i> , 2012 , 46, 7230-8	10.3	76
501	Microstructural changes in a laser solid forming Inconel 718 superalloy thin wall in the deposition direction. <i>Optics and Laser Technology</i> , 2013 , 45, 330-335	4.2	76
500	Residual stress and distortion of rectangular and S-shaped Ti-6Al-4V parts by Directed Energy Deposition: Modelling and experimental calibration. <i>Additive Manufacturing</i> , 2019 , 26, 166-179	6.1	73
499	Achieving superior ductility for laser solid formed extra low interstitial Ti-6Al-4V titanium alloy through equiaxial alpha microstructure. <i>Scripta Materialia</i> , 2018 , 146, 187-191	5.6	72
498	Effect of overlap rate on recrystallization behaviors of Laser Solid Formed Inconel 718 superalloy. <i>Optics and Laser Technology</i> , 2013 , 45, 228-235	4.2	71
497	Adsorption of single-ringed N- and S-heterocyclic aromatics on carbon nanotubes. <i>Carbon</i> , 2010 , 48, 3906-3915	6.4	70
496	Overexpression of a miR393-resistant form of transport inhibitor response protein 1 (mTIR1) enhances salt tolerance by increased osmoregulation and Na ⁺ exclusion in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2015 , 56, 73-83	4.9	69
495	Laser rapid solidification improves corrosion behavior of Mg-Zn-Zr alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 691, 961-969	5.7	68
494	Microstructure of Laser Re-Melted AlCoCrCuFeNi High Entropy Alloy Coatings Produced by Plasma Spraying. <i>Entropy</i> , 2013 , 15, 2833-2845	2.8	65
493	Facilitated transport of 2,2',5,5'-polychlorinated biphenyl and phenanthrene by fullerene nanoparticles through sandy soil columns. <i>Environmental Science & Technology</i> , 2011 , 45, 1341-8	10.3	64

492	Thermomechanical response of 3D laser-deposited Ti6Al4V alloy over a wide range of strain rates and temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 647, 34-42	5.3	63
491	Grain morphology evolution and texture characterization of wire and arc additive manufactured Ti-6Al-4V. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 97-113	5.7	60
490	Phase formation and microstructure evolution in laser rapid forming of graded SS316L/Rene88DT alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 402, 294-306	5.3	60
489	Formation mechanism of the β -variant and its influence on the tensile properties of laser solid formed Ti-6Al-4V titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 691, 16-24	5.3	59
488	Numerical simulation and experimental calibration of additive manufacturing by blown powder technology. Part I: thermal analysis. <i>Rapid Prototyping Journal</i> , 2017 , 23, 448-463	3.8	59
487	Optimisation of interpass temperature and heat input for wire and arc additive manufacturing 5A06 aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2017 , 22, 472-483	3.7	59
486	An analytical model to optimize rotation speed and travel speed of friction stir welding for defect-free joints. <i>Scripta Materialia</i> , 2013 , 68, 175-178	5.6	59
485	Solidification Behavior and the Evolution of Phase in Laser Rapid Forming of Graded Ti6Al4V-Rene88DT Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 127-137	2.3	59
484	Fabrication of 3D Expanded Graphite-Based (MnO ₂ /Nanowalls and PANI Nanofibers) Hybrid as Bifunctional Material for High-Performance Supercapacitor and Sensor. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A3965-A3971	3.9	56
483	Grain morphology control and texture characterization of laser solid formed Ti6Al2Sn2Zr3Mo1.5Cr2Nb titanium alloy. <i>Journal of Materials Processing Technology</i> , 2016 , 238, 202-211	5.3	55
482	Molecular mutations associated with the in vitro passage of virulent porcine reproductive and respiratory syndrome virus. <i>Virus Genes</i> , 2009 , 38, 276-84	2.3	55
481	Geometric Limitation and Tensile Properties of Wire and Arc Additive Manufacturing 5A06 Aluminum Alloy Parts. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 621-629	1.6	54
480	One-step breaking and separating emulsion by tungsten oxide coated mesh. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8108-13	9.5	54
479	Microstructure and Mechanical Properties of Al ₂ O ₃ /ZrO ₂ Directionally Solidified Eutectic Ceramic Prepared by Laser 3D Printing. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 320-325	9.1	54
478	Morphological evolution during solidification under stirring. <i>Acta Materialia</i> , 2006 , 54, 4815-4824	8.4	54
477	Microstructural analysis of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glasses by laser surface remelting and laser solid forming. <i>Intermetallics</i> , 2015 , 66, 22-30	3.5	53
476	Effect of tempering temperature on microstructure and mechanical properties of laser solid formed 300M steel. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 225-232	5.7	53
475	Effect of solution heat treatment on the microstructure and mechanical properties of Inconel 625 superalloy fabricated by laser solid forming. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 330-344	5.7	53

474	Methylation of the ATM promoter in glioma cells alters ionizing radiation sensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 344, 821-6	3.4	53
473	The epidemic status and genetic diversity of 14 highly pathogenic porcine reproductive and respiratory syndrome virus (HP-PRRSV) isolates from China in 2009. <i>Veterinary Microbiology</i> , 2011 , 150, 257-69	3.3	51
472	Coamplification at lower denaturation temperature-PCR increases mutation-detection selectivity of TaqMan-based real-time PCR. <i>Clinical Chemistry</i> , 2009 , 55, 748-56	5.5	51
471	Remelting-induced anomalous eutectic formation during solidification of deeply undercooled eutectic alloy melts. <i>Acta Materialia</i> , 2015 , 95, 44-56	8.4	50
470	Microstructure and anisotropic tensile behavior of laser additive manufactured TC21 titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 673, 204-212	5.3	50
469	Influence of travel speed on microstructure and mechanical properties of wire + arc additively manufactured 2219 aluminum alloy. <i>Journal of Materials Science and Technology</i> , 2020 , 37, 143-153	9.1	50
468	Effect of Ti addition on cracking and microhardness of Inconel 625 during the laser solid forming processing. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 267-277	5.7	49
467	Construction of a triple gene-deleted Chinese Pseudorabies virus variant and its efficacy study as a vaccine candidate on suckling piglets. <i>Vaccine</i> , 2015 , 33, 2432-7	4.1	49
466	Finite element analysis and experimental validation of the thermomechanical behavior in laser solid forming of Ti-6Al-4V. <i>Additive Manufacturing</i> , 2018 , 21, 30-40	6.1	49
465	Experimental Observation of Acoustic Weyl Points and Topological Surface States. <i>Physical Review Applied</i> , 2018 , 10,	4.3	49
464	Influence of laser deposition patterns on part distortion, interior quality and mechanical properties by laser solid forming (LSF). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1094-1104	5.3	49
463	The initiation and propagation mechanism of the overlapping zone cracking during laser solid forming of IN-738LC superalloy. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 859-870	5.7	48
462	Influence of process parameters and heat treatments on the microstructures and dynamic mechanical behaviors of Inconel 718 superalloy manufactured by laser metal deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 721, 215-225	5.3	47
461	Enhanced transport of 2,2',5,5'-polychlorinated biphenyl by natural organic matter (NOM) and surfactant-modified fullerene nanoparticles (nC60). <i>Environmental Science & Technology</i> , 2012 , 46, 5422-9	10.3	47
460	History-dependent selection of primary cellular/dendritic spacing during unidirectional solidification in aluminum alloys. <i>Acta Materialia</i> , 1999 , 47, 3271-3280	8.4	47
459	System development, formability quality and microstructure evolution of selective laser-melted magnesium. <i>Virtual and Physical Prototyping</i> , 2016 , 11, 173-181	10.1	47
458	Heat-treated microstructure and mechanical properties of laser solid forming Ti-6Al-4V alloy. <i>Rare Metals</i> , 2009 , 28, 537-544	5.5	46
457	Effect of Ba and Mn doping on microstructure and multiferroic properties of BiFeO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2016 , 678, 511-517	5.7	46

456	miR-200s contribute to interleukin-6 (IL-6)-induced insulin resistance in hepatocytes. <i>Journal of Biological Chemistry</i> , 2013 , 288, 22596-606	5.4	45
455	Microstructure and high temperature oxidation resistance of Ti-Ni gradient coating on TA2 titanium alloy fabricated by laser cladding. <i>Optics and Laser Technology</i> , 2016 , 83, 140-147	4.2	44
454	Effect of Biochar on Heavy Metal Speciation of Paddy Soil. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	44
453	Electricity-induced switchable wettability and controllable water permeation based on 3D copper foam. <i>Chemical Communications</i> , 2015 , 51, 16237-40	5.8	43
452	Electrochemical behavior of Inconel 718 fabricated by laser solid forming on different sections. <i>Corrosion Science</i> , 2018 , 132, 79-89	6.8	43
451	Adsorption of phenanthrene, 2-naphthol, and 1-naphthylamine to colloidal oxidized multiwalled carbon nanotubes: effects of humic acid and surfactant modification. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 493-500	3.8	43
450	Laser surface forming of AlCoCrCuFeNi particle reinforced AZ91D matrix composites. <i>Optics and Laser Technology</i> , 2015 , 70, 119-127	4.2	42
449	A novel method for the molten pool and porosity formation modelling in selective laser melting. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 140, 1091-1105	4.9	42
448	Influence of β -Interface phase on the tensile properties of laser cladding deposited Ti-6Al-4V titanium alloy. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 675-681	9.1	41
447	Effects of deposition strategies on macro/microstructure and mechanical properties of wire and arc additive manufactured Ti 6Al 4V. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 754, 735-749	5.3	41
446	Texture and microstructure characterization in laser additive manufactured Ti-6Al-4Zr-0.5Sn-0.5Cr-0.5Nb titanium alloy. <i>Materials and Design</i> , 2015 , 88, 550-557	8.1	40
445	The tensile deformation behavior of laser repaired Inconel 718 with a non-uniform microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 688, 480-487	5.3	39
444	Microstructure and mechanical properties of laser solid formed 300M steel. <i>Journal of Alloys and Compounds</i> , 2015 , 621, 35-41	5.7	39
443	Electrochemical behaviour of laser solid formed Ti-6Al-4V alloy in a highly concentrated NaCl solution. <i>Corrosion Science</i> , 2018 , 142, 161-174	6.8	39
442	Rapid differential detection of classical and highly pathogenic North American Porcine Reproductive and Respiratory Syndrome virus in China by a duplex real-time RT-PCR. <i>Journal of Virological Methods</i> , 2009 , 161, 192-8	2.6	39
441	Laser solid forming additive manufacturing TiB ₂ reinforced 2024Al composite: Microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 745, 319-325	5.3	39
440	The effect of preheating on microstructure and mechanical properties of laser solid forming IN-738LC alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 691, 71-80	5.3	38
439	Influence of trace boron addition on microstructure, tensile properties and their anisotropy of Ti6Al4V fabricated by laser directed energy deposition. <i>Materials and Design</i> , 2019 , 181, 107943	8.1	38

438	Microstructures and stress rupture properties of pulse laser repaired Inconel 718 superalloy after different heat treatments. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 125-135	5.7	38
437	Process analysis for laser solid forming of thin-wall structure. <i>International Journal of Machine Tools and Manufacture</i> , 2010 , 50, 1-8	9.4	38
436	New genomic characteristics of highly pathogenic porcine reproductive and respiratory syndrome viruses do not lead to significant changes in pathogenicity. <i>Veterinary Microbiology</i> , 2012 , 158, 291-9	3.3	37
435	An overlapping crisscross micromixer. <i>Chemical Engineering Science</i> , 2007 , 62, 711-720	4.4	37
434	On primary dendritic spacing during unidirectional solidification. <i>Acta Materialia</i> , 1996 , 44, 3705-3709	8.4	37
433	Control of microstructure and mechanical properties of laser solid formed Inconel 718 superalloy by electromagnetic stirring. <i>Optics and Laser Technology</i> , 2018 , 99, 342-350	4.2	36
432	SIRT1 alleviates senescence of degenerative human intervertebral disc cartilage endo-plate cells via the p53/p21 pathway. <i>Scientific Reports</i> , 2016 , 6, 22628	4.9	36
431	Regular eutectic and anomalous eutectic growth behavior in laser remelting of Ni-30wt%Sn alloys. <i>Acta Materialia</i> , 2017 , 126, 210-220	8.4	35
430	Recrystallization and its influence on microstructures and mechanical properties of laser solid formed nickel base superalloy Inconel 718. <i>Rare Metals</i> , 2011 , 30, 433-438	5.5	35
429	Prediction of average spacing for constrained cellular/dendritic growth. <i>Journal of Crystal Growth</i> , 1997 , 177, 281-288	1.6	35
428	In situ measurements and thermo-mechanical simulation of Ti6Al4V laser solid forming processes. <i>International Journal of Mechanical Sciences</i> , 2019 , 153-154, 119-130	5.5	34
427	Effect of stress-relief annealing on anodic dissolution behaviour of additive manufactured Ti-6Al-4V via laser solid forming. <i>Corrosion Science</i> , 2019 , 153, 314-326	6.8	33
426	Mechanics and energy analysis on molten pool spreading during laser solid forming. <i>Applied Surface Science</i> , 2010 , 256, 4612-4620	6.7	33
425	Effect of heat input on cracking in laser solid formed DZ4125 superalloy. <i>Optics and Laser Technology</i> , 2016 , 86, 1-7	4.2	33
424	Research Progress in Laser Solid Forming of High-Performance Metallic Components at the State Key Laboratory of Solidification Processing of China. <i>3D Printing and Additive Manufacturing</i> , 2014 , 1, 156-165	4	32
423	A cellular automaton model for the solidification of a pure substance. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 103, 123-133	2.6	32
422	Effects of Solution Treatment Temperature on Microstructures and Properties of Laser Solid Forming GH4169 Superalloy. <i>Rare Metal Materials and Engineering</i> , 2010 , 39, 1519-1524		32
421	Laves phase control of inconel 718 superalloy fabricated by laser direct energy deposition via aging and solution treatment. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 9753-9765	5.5	32

420	Glass forming ability and crystallization behavior of AlNiBE metallic glasses. <i>Intermetallics</i> , 2013 , 42, 23-31	3.5	31
419	Periodic variation of torque and its relations to interfacial sticking and slipping during friction stir welding. <i>Science and Technology of Welding and Joining</i> , 2012 , 17, 338-341	3.7	31
418	Microstructure evolution in laser solid forming of TiB0 wt% Ni alloy. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 782-787	5.7	31
417	Estimation of laser solid forming process based on temperature measurement. <i>Optics and Laser Technology</i> , 2010 , 42, 47-54	4.2	31
416	An overlapping crisscross micromixer using chaotic mixing principles. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 2684-2691	2	31
415	A new magnetic expanded graphite for removal of oil leakage. <i>Marine Pollution Bulletin</i> , 2014 , 81, 185-90.	6.7	30
414	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	5.7	30
413	Microstructure and mechanical properties of Al ₂ O ₃ /Y ₃ Al ₅ O ₁₂ /ZrO ₂ hypereutectic directionally solidified ceramic prepared by laser floating zone. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 3051-3059	6	30
412	Primary spacing selection of Cu-Mn alloy under laser rapid solidification condition. <i>Journal of Crystal Growth</i> , 1997 , 181, 109-116	1.6	30
411	Plastic deformation behavior and dynamic recrystallization of Inconel 625 superalloy fabricated by directed energy deposition. <i>Materials and Design</i> , 2020 , 186, 108359	8.1	30
410	Effect of solution temperature on static recrystallization and ductility of Inconel 625 superalloy fabricated by directed energy deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 772, 138711	5.3	30
409	Microstructure and tensile properties of Ti-Mo alloys manufactured via using laser powder bed fusion. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 877-884	5.7	30
408	In-situ synthesis of aluminum/nano-quasicrystalline Al-Fe-Cr composite by using selective laser melting. <i>Composites Part B: Engineering</i> , 2018 , 155, 382-390	10	30
407	Distinction in anodic dissolution behavior on different planes of laser solid formed Ti-6Al-4V alloy. <i>Electrochimica Acta</i> , 2018 , 283, 1482-1489	6.7	29
406	Effectiveness of a discharge education program in reducing the severity of postpartum depression: a randomized controlled evaluation study. <i>Patient Education and Counseling</i> , 2009 , 77, 68-71	3.1	29
405	Microstructure evolution and metastable phase formation in undercooled FeB0 at.% Co melt. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 268, 90-96	5.3	29
404	Effects of subtransus heat treatments on microstructure features and mechanical properties of wire and arc additive manufactured TiBAlV alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 776, 139020	5.3	28
403	Modeling and simulation of the columnar-to-equiaxed transition during laser melting deposition of Invar alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 755, 123-134	5.7	28

402	Influence of post-heat-treatment on the microstructure and fracture toughness properties of Inconel 718 fabricated with laser directed energy deposition additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 798, 140092	5.3	28
401	Microstructure evolution and mechanical properties of laser additive manufactured Ti ₆ Al ₄ Sn ₂ Zr ₄ Mo ₂ Cr alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2016 , 26, 2058-2066	3.3	28
400	Effect of microstructure on the fatigue crack growth behavior of laser solid formed 300M steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 695, 258-264	5.3	27
399	Microstructure and mechanical properties of wire and arc additive manufactured AZ31 magnesium alloy using cold metal transfer process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 774, 138942	5.3	27
398	HAZ Liquation Cracking Mechanism of IN-738LC Superalloy Prepared by Laser Solid Forming. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 5118-5136	2.3	27
397	Numerical simulation and defect elimination in the casting of truck rear axle using a nodular cast iron. <i>Materials & Design</i> , 2011 , 32, 1623-1629		27
396	Columnar to equiaxed transition during alloy solidification. <i>Science in China Series D: Earth Sciences</i> , 2003 , 46, 475		27
395	MicroRNA 152 regulates hepatic glycogenesis by targeting PTEN. <i>FEBS Journal</i> , 2016 , 283, 1935-46	5.7	27
394	Evolution of plastic deformation and its effect on mechanical properties of laser additive repaired Ti64ELI titanium alloy. <i>Optics and Laser Technology</i> , 2017 , 92, 36-43	4.2	26
393	The failure mechanism of 50% laser additive manufactured Inconel 718 and the deformation behavior of Laves phases during a tensile process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 2733-2740	3.2	26
392	Direct laser deposited bulk CoCrFeNiNb _x high entropy alloys. <i>Intermetallics</i> , 2019 , 114, 106592	3.5	26
391	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	9.1	26
390	Two natural recombinant highly pathogenic porcine reproductive and respiratory syndrome viruses with different pathogenicities. <i>Virus Genes</i> , 2013 , 46, 473-8	2.3	26
389	Comparison study on microstructure and mechanical properties of Ti-6Al-4V alloys fabricated by powder-based selective-laser-melting and sintering methods. <i>Materials Characterization</i> , 2020 , 164, 110358	3.9	25
388	Anomalous overgrowth of converging dendrites during directional solidification. <i>Journal of Crystal Growth</i> , 2014 , 402, 210-214	1.6	25
387	Orientation selection of equiaxed dendritic growth by three-dimensional cellular automaton model. <i>Physica B: Condensed Matter</i> , 2012 , 407, 2471-2475	2.8	25
386	Branching-induced grain boundary evolution during directional solidification of columnar dendritic grains. <i>Acta Materialia</i> , 2017 , 136, 148-163	8.4	25
385	Overexpression of the cucumber LEAFY homolog CFL and hormone treatments alter flower development in gloxinia (<i>Sinningia speciosa</i>). <i>Plant Molecular Biology</i> , 2008 , 67, 419-27	4.6	25

384	Primary cellular/dendritic spacing selection of AlZn alloy during unidirectional solidification. <i>Journal of Crystal Growth</i> , 1999 , 197, 393-395	1.6	25
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