

Lehua Qi

List of Publications by Year in descending order

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156
papers

2,982
citations

147726

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157
all docs

157
docs citations

157
times ranked

1640
citing authors

#	ARTICLE	IF	CITATIONS
1	Representative volume element for composites reinforced by spatially randomly distributed discontinuous fibers and its applications. <i>Composite Structures</i> , 2015, 131, 366-373.	3.1	103
2	Periodic boundary condition and its numerical implementation algorithm for the evaluation of effective mechanical properties of the composites with complicated micro-structures. <i>Composites Part B: Engineering</i> , 2019, 162, 1-10.	5.9	98
3	Numerical evaluation of effective elastic properties of composites reinforced by spatially randomly distributed short fibers with certain aspect ratio. <i>Composite Structures</i> , 2015, 131, 843-851.	3.1	77
4	Fabrication and mechanical properties of CNTs/Mg composites prepared by combining friction stir processing and ultrasonic assisted extrusion. <i>Journal of Alloys and Compounds</i> , 2017, 728, 282-288.	2.8	75
5	Effect of the surface morphology of solidified droplet on remelting between neighboring aluminum droplets. <i>International Journal of Machine Tools and Manufacture</i> , 2018, 130-131, 1-11.	6.2	75
6	Grafting CNTs on carbon fabrics with enhanced mechanical and thermal properties for tribological applications of carbon fabrics/phenolic composites. <i>Carbon</i> , 2018, 139, 45-51.	5.4	73
7	Printing Functional 3D Microdevices by Laser-Induced Forward Transfer. <i>Small</i> , 2017, 13, 1602553.	5.2	70
8	Toughening by SiC Nanowires in a Dense SiC Ceramic Coating for Oxidation Protection of C/C Composites. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3691-3697.	1.9	63
9	Oxidation protection of SiC-coated C/C composites by SiC nanowire-toughened CrSi ₂ -Si coating. <i>Corrosion Science</i> , 2012, 55, 394-400.	3.0	57
10	Bamboo-shaped SiC nanowire-toughened SiC coating for oxidation protection of C/C composites. <i>Corrosion Science</i> , 2013, 70, 11-16.	3.0	57
11	Oxidation protection and behavior of C/C composites with an in situ SiC nanowire-Si/SiC coating. <i>Corrosion Science</i> , 2013, 70, 285-289.	3.0	57
12	Hole-defects in soluble core assisted aluminum droplet printing: Metallurgical mechanisms and elimination methods. <i>Applied Thermal Engineering</i> , 2019, 148, 1183-1193.	3.0	55
13	Numerical evaluation on mechanical properties of short-fiber-reinforced metal matrix composites: Two-step mean-field homogenization procedure. <i>Composite Structures</i> , 2016, 139, 96-103.	3.1	52
14	Oxidation protection of carbon/carbon composites by a novel SiC nanoribbon-reinforced SiC-Si ceramic coating. <i>Corrosion Science</i> , 2015, 92, 272-279.	3.0	51
15	Numerical study of the effects of irregular pores on transverse mechanical properties of unidirectional composites. <i>Composites Science and Technology</i> , 2018, 159, 142-151.	3.8	51
16	3D numerical simulation of successive deposition of uniform molten Al droplets on a moving substrate and experimental validation. <i>Computational Materials Science</i> , 2012, 65, 291-301.	1.4	50
17	Oxidation protection of C/C composites by ultra long SiC nanowire-reinforced SiC-Si coating. <i>Corrosion Science</i> , 2014, 84, 204-208.	3.0	49
18	Direct fabrication of metal tubes with high-quality inner surfaces via droplet deposition over soluble cores. <i>Journal of Materials Processing Technology</i> , 2019, 264, 145-154.	3.1	48

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19	Interfacial microstructure and tensile properties of carbon fiber reinforced Mg-Al-RE matrix composites. <i>Journal of Alloys and Compounds</i> , 2016, 663, 686-692.	2.8	46
20	Evaluation of the effect of PyC coating thickness on the mechanical properties of T700 carbon fiber tows. <i>Applied Surface Science</i> , 2019, 463, 310-321.	3.1	46
21	Numerical simulation on elastic properties of short-fiber-reinforced metal matrix composites: Effect of fiber orientation. <i>Composite Structures</i> , 2016, 152, 408-417.	3.1	44
22	Numerical evaluation of the effect of pores on effective elastic properties of carbon/carbon composites. <i>Composite Structures</i> , 2018, 196, 108-116.	3.1	43
23	Numerical evaluation of the influence of porosity on bending properties of 2D carbon/carbon composites. <i>Composites Part B: Engineering</i> , 2018, 136, 72-80.	5.9	37
24	Oxidation protection of C/C composites with in situ bamboo-shaped SiC nanowire-toughened Si-Cr coating. <i>Corrosion Science</i> , 2013, 74, 419-423.	3.0	36
25	Effects of the fiber orientation and fiber aspect ratio on the tensile strength of Csf/Mg composites. <i>Computational Materials Science</i> , 2014, 89, 6-11.	1.4	36
26	Impact-driven ejection of micro metal droplets on-demand. <i>International Journal of Machine Tools and Manufacture</i> , 2016, 106, 67-74.	6.2	36
27	Direct fabrication of unsupported inclined aluminum pillars based on uniform micro droplets deposition. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 116, 18-24.	6.2	35
28	Influence of Ni-CNTs additions on the microstructure and mechanical properties of extruded Mg-9Al alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 678, 101-109.	2.6	34
29	Microstructure and mechanical properties of ultrafine bamboo-shaped SiC rod-reinforced HfC ceramic coating. <i>Surface and Coatings Technology</i> , 2013, 235, 577-581.	2.2	32
30	Influence of Interfacial Bonding between Metal Droplets on Tensile Properties of 7075 Aluminum Billets by Additive Manufacturing Technique. <i>Journal of Materials Science and Technology</i> , 2016, 32, 485-488.	5.6	32
31	Formation of uniform metal traces using alternate droplet printing. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 122, 47-54.	6.2	32
32	Stable micro-feeding of fine powders using a capillary with ultrasonic vibration. <i>Powder Technology</i> , 2011, 214, 237-242.	2.1	30
33	A great improvement of tensile properties of Cf/AZ91D composite through grafting CNTs onto the surface of the carbon fibers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138061.	2.6	30
34	Tensile properties and damage behaviors of Csf/Mg composite at elevated temperature and containing a small fraction of liquid. <i>Composites Science and Technology</i> , 2012, 72, 1774-1780.	3.8	29
35	Numerical evaluation on the effective thermal conductivity of the composites with discontinuous inclusions: Periodic boundary condition and its numerical algorithm. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 735-751.	2.5	29
36	An analysis of the factors affecting strengthening in carbon fiber reinforced magnesium composites. <i>Composite Structures</i> , 2019, 209, 328-336.	3.1	29

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37	Metal-organic frameworks/polydopamine synergistic interface enhancement of carbon fiber/phenolic composites for promoting mechanical and tribological performances. <i>Nanoscale</i> , 2021, 13, 20234-20247.	2.8	29
38	Microstructure and tensile behavior of 2D-Cf/AZ91D composites fabricated by liquid-solid extrusion and vacuum pressure infiltration. <i>Journal of Materials Science and Technology</i> , 2017, 33, 541-546.	5.6	27
39	Tensile and fatigue behavior of carbon fiber reinforced magnesium composite fabricated by liquid-solid extrusion following vacuum pressure infiltration. <i>Journal of Alloys and Compounds</i> , 2017, 721, 55-63.	2.8	27
40	Constitutive equation for the hot deformation behavior of Cf/AZ91D composites and its validity for numerical simulation. <i>Mechanics of Materials</i> , 2016, 102, 90-96.	1.7	25
41	Experimental investigation on the height deviation of bumps printed by solder jet technology. <i>Journal of Materials Processing Technology</i> , 2017, 243, 291-298.	3.1	25
42	Effect of SiC nanowires addition on the interfacial microstructure and mechanical properties of the Cf-SiCNWs/AZ91D composite. <i>Journal of Alloys and Compounds</i> , 2019, 776, 746-756.	2.8	25
43	A constitutive model for predicting flow stress of Al18B4O33w/AZ91D composite during hot compression and its validation. <i>Computational Materials Science</i> , 2011, 50, 2422-2426.	1.4	24
44	Periodically twinned 6H-SiC nanowires with fluctuating stems. <i>Ceramics International</i> , 2014, 40, 4455-4460.	2.3	24
45	Effect of fiber transverse isotropy on effective thermal conductivity of metal matrix composites reinforced by randomly distributed fibers. <i>Composite Structures</i> , 2016, 152, 637-644.	3.1	24
46	Effect of pore structure on mechanical and tribological properties of paper-based friction materials. <i>Tribology International</i> , 2020, 148, 106307.	3.0	24
47	Embedded printing trace planning for aluminum droplets depositing on dissolvable supports with varying section. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 63, 101898.	6.1	22
48	Insights into the impact and solidification of metal droplets in ground-based investigation of droplet deposition 3D printing under microgravity. <i>Applied Thermal Engineering</i> , 2021, 183, 116176.	3.0	22
49	Elimination of droplet rebound off soluble substrate in metal droplet deposition. <i>Materials Letters</i> , 2018, 216, 232-235.	1.3	21
50	An advanced method for efficiently generating composite RVEs with specified particle orientation. <i>Composites Science and Technology</i> , 2021, 205, 108647.	3.8	21
51	The effects of interphase parameters on transverse elastic properties of Carbon-Carbon composites based on FE model. <i>Composite Structures</i> , 2021, 268, 113961.	3.1	21
52	Weakly charged droplets fundamentally change impact dynamics on flat surfaces. <i>Soft Matter</i> , 2019, 15, 5548-5553.	1.2	20
53	Suppression of gravity effects on metal droplet deposition manufacturing by an anti-gravity electric field. <i>International Journal of Machine Tools and Manufacture</i> , 2020, 148, 103474.	6.2	20
54	Fabrication of short carbon fiber preforms coated with pyrocarbon/SiC for liquid metal infiltration. <i>Journal of Materials Science</i> , 2008, 43, 4618-4624.	1.7	19

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55	Effect of carbon nanotubes grown temperature on the fracture behavior of carbon fiber reinforced magnesium matrix composites: Interlaminar shear strength and tensile strength. <i>Ceramics International</i> , 2021, 47, 6597-6607.	2.3	19
56	Drop-on-demand printing of recyclable circuits by partially embedding molten metal droplets in plastic substrates. <i>Journal of Materials Processing Technology</i> , 2021, 297, 117268.	3.1	19
57	Constitutive behavior of Csf/AZ91D composites compressed at elevated temperature and containing a small fraction of liquid. <i>Composites Science and Technology</i> , 2011, 71, 955-961.	3.8	18
58	Large-scale synthesis, growth mechanism, and photoluminescence of 3C-SiC nanobelts. <i>Materials Letters</i> , 2013, 109, 275-278.	1.3	18
59	Generation of Three-Dimensional Microstructure Model for Discontinuously Reinforced Composite by Modified Random Sequential Absorption Method. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2016, 138, .	0.8	18
60	An algorithm for generation of RVEs of composites with high particle volume fractions. <i>Composites Science and Technology</i> , 2021, 207, 108714.	3.8	18
61	The effect of nickel coating on the mechanical properties and failure modes of continuous carbon fiber reinforced aluminum matrix composites. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164134.	2.8	18
62	Effect of Temperature on the Synthesis of SiC Coating on Carbon Fibers by the Reaction of SiO with the Deposited Pyrolytic Carbon Layer. <i>Journal of Materials Science and Technology</i> , 2010, 26, 211-216.	5.6	17
63	Evaluation for elastic properties of metal matrix composites with randomly distributed fibers: Two-step mean-field homogenization procedure versus FE homogenization method. <i>Journal of Alloys and Compounds</i> , 2016, 658, 241-247.	2.8	17
64	Parametric mapping of linear deposition morphology in uniform metal droplet deposition technique. <i>Journal of Materials Processing Technology</i> , 2019, 264, 234-239.	3.1	17
65	Micro-mechanical model for the effective thermal conductivity of the multi-oriented inclusions reinforced composites with imperfect interfaces. <i>International Journal of Heat and Mass Transfer</i> , 2020, 148, 119167.	2.5	17
66	Wear behaviors of Cf/Mg composites fabricated by extrusion directly following vacuum pressure infiltration technique. <i>Wear</i> , 2013, 307, 127-133.	1.5	16
67	Mean-field homogenization based approach to evaluate macroscopic coefficients of thermal expansion of composite materials. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 1321-1333.	2.5	16
68	Interfacial microstructure and mechanical properties of Cf/AZ91D composites with TiO ₂ and PyC fiber coatings. <i>Micron</i> , 2017, 101, 170-176.	1.1	16
69	Synergistic effect of surface modification of carbon fabrics and multiwall carbon nanotube incorporation for improving tribological properties of carbon fabrics/resin composites. <i>Polymer Composites</i> , 2020, 41, 102-111.	2.3	16
70	Geometry control of closed contour forming in uniform micro metal droplet deposition manufacturing. <i>Journal of Materials Processing Technology</i> , 2017, 243, 474-480.	3.1	15
71	Modeling of the dynamic recrystallization behavior of Csf/AZ91D magnesium matrix composites during hot compression process. <i>Journal of Alloys and Compounds</i> , 2017, 708, 328-336.	2.8	15
72	Potential of porous pyrolytic carbon for producing zero thermal expansion coefficient composites: A multi-scale numerical evaluation. <i>Composite Structures</i> , 2020, 235, 111819.	3.1	15

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73	Generation mechanism and suppression method of landing error of two successively deposited metal droplets caused by coalescence and solidification. <i>International Journal of Heat and Mass Transfer</i> , 2021, 172, 121100.	2.5	15
74	Uniform droplet printing of graphene micro-rings based on multiple droplets overwriting and coffee-ring effect. <i>Applied Surface Science</i> , 2020, 499, 143826.	3.1	14
75	A method for the simultaneous identification of anisotropic yield and hardening constitutive parameters for sheet metal forming. <i>International Journal of Mechanical Sciences</i> , 2020, 181, 105756.	3.6	14
76	Interfacial failure behavior of PyC-C f /AZ91D composite fabricated by LSEVI. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1602-1608.	5.6	12
77	Experimental study and mechanism analysis on the effect of substrate wettability on graphene sheets distribution morphology within uniform printing droplets. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 335001.	0.7	12
78	Building the silicon carbide nanowire network on the surface of carbon fibers: Enhanced interfacial adhesion and high-performance wear resistance. <i>Ceramics International</i> , 2019, 45, 22571-22577.	2.3	12
79	Interphase model for FE prediction of the effective thermal conductivity of the composites with imperfect interfaces. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118796.	2.5	12
80	On the role of carbon nanotubes addition in carbon fiber-reinforced magnesium matrix composites. <i>Journal of Materials Science</i> , 2020, 55, 16940-16953.	1.7	12
81	Mechanisms of simultaneously enhanced mechanical and tribological properties of carbon fabrics/phenolic resin composites reinforced with graphite nanoplatelets. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157176.	2.8	12
82	Growth mechanism and thermal behavior of electroless Cu plating on short carbon fibers. <i>Surface and Coatings Technology</i> , 2021, 419, 127294.	2.2	12
83	Improvement of SiC/Si MAS Interface in the Joints via <i>In Situ</i> Synthesizing SiC Nanowires. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3926-3932.	1.9	11
84	Effect of temperature and strain rate on the tensile properties related to hot cracking of Csf/AZ91D composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 596, 157-164.	2.6	11
85	Evolution of interfacial microstructures and mechanical properties of C f /AZ91 composite during heat treatment. <i>Vacuum</i> , 2017, 145, 245-250.	1.6	11
86	In Situ Growth of Graphene on Carbon Fabrics with Enhanced Mechanical and Thermal Properties for Tribological Applications of Carbon Fabric-Phenolic Composites. <i>Tribology Transactions</i> , 2019, 62, 850-858.	1.1	11
87	Influence of fabric architecture on compressive and failure mechanism of C f /Mg composite fabricated by LSEVI. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 127-134.	2.6	10
88	Superior wear resistance of boron phenolic resin-based composites using fluorine rubber micro powder as high-performance additive. <i>Tribology International</i> , 2020, 142, 106001.	3.0	10
89	A ground-based work of droplet deposition manufacturing toward microgravity: Fine pileup of horizontally ejected metal droplets on vertical substrates. <i>Journal of Manufacturing Processes</i> , 2021, 66, 293-301.	2.8	10
90	Study on stable delivery of charged uniform droplets for freeform fabrication of metal parts. <i>Science China Technological Sciences</i> , 2011, 54, 1833-1840.	2.0	9

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91	Ferrocene-catalyzed Growth of Single-Crystalline 6H-SiC Nanoribbons. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3363-3366.	1.9	9
92	Experimental and multi-scale numerical evaluations for effective mechanical properties of 2-D Cf/Mg composites. <i>Composite Structures</i> , 2018, 189, 1-8.	3.1	9
93	A new interpolative homogenization model for evaluation of the effective elasto-plastic responses of two-phase composites. <i>Composite Structures</i> , 2019, 210, 810-821.	3.1	9
94	Evaluation for interfacial fracture of fiber-reinforced pyrocarbon matrix composites by using a zero-thickness cohesive approach. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153378.	2.8	9
95	New numerical algorithm for the periodic boundary condition for predicting the coefficients of thermal expansion of composites. <i>Mechanics of Materials</i> , 2021, 154, 103737.	1.7	9
96	Significant improvement of thermal and tribological performance with polyimide as the matrix of paper-based friction materials. <i>Polymer Composites</i> , 2022, 43, 2303-2317.	2.3	9
97	Multi-scale and multi-step modeling of thermal conductivities of 3D braided composites. <i>International Journal of Mechanical Sciences</i> , 2022, 228, 107466.	3.6	9
98	Quantitative characterization of carbon/carbon composites matrix texture based on image analysis using polarized light microscope. <i>Microscopy Research and Technique</i> , 2015, 78, 908-917.	1.2	8
99	Microstructure and thermal expansion behavior of a novel Cf-SiCNWs/AZ91D composite with dual interface. <i>Ceramics International</i> , 2019, 45, 12563-12569.	2.3	8
100	Effect of sealing treatment on corrosion behavior of plasma sprayed ZrO ₂ coated Cf/Mg composites. <i>Surface and Coatings Technology</i> , 2021, 423, 127627.	2.2	8
101	Metal droplet printing of tube with high-quality inner surface via helical printing trajectory and soluble support. <i>Virtual and Physical Prototyping</i> , 2022, 17, 582-598.	5.3	8
102	Homogenization of transverse elastic properties of Cf/Mg composites at an elevated temperature and containing a small fraction of liquid phase. <i>Composites Science and Technology</i> , 2015, 117, 234-243.	3.8	7
103	Effect of PyC coating on mechanical properties of C _f /AZ91D composites. <i>Surface Engineering</i> , 2018, 34, 852-860.	1.1	7
104	Tensile Properties of 2D-Cf/Mg Composite Fabricated by Liquid-solid Extrusion Following Vacuum Pressure Infiltration. <i>Procedia Engineering</i> , 2014, 81, 1577-1582.	1.2	6
105	Damage mechanism and progressive failure analysis of Cf/Mg composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 666, 257-263.	2.6	6
106	Dissociation mechanisms of CH ₄ on pristine, N-doped and vacancy graphene by DFT study. <i>Diamond and Related Materials</i> , 2021, 114, 108323.	1.8	6
107	Fabricating patterned microstructures by embedded droplet printing on immiscible deformable surfaces. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 138-145.	2.9	6
108	Strengthening mechanism of SiC nanowires on microhardness of AZ91D-based composites. <i>Ceramics International</i> , 2021, 47, 30310-30318.	2.3	6

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109	Interfacial microstructure and strengthening mechanisms of Cf/Mg composite with double-layer interface. <i>Ceramics International</i> , 2021, 47, 31149-31159.	2.3	6
110	Microstructure and corrosion behavior of ZrO ₂ coated carbon fiber reinforced magnesium matrix composites sprayed with different powder characteristics. <i>Ceramics International</i> , 2022, 48, 30797-30806.	2.3	6
111	Research on precision calibration techniques for selected area electron diffraction patterns of pyrocarbon. <i>Microscopy Research and Technique</i> , 2009, 72, 338-342.	1.2	5
112	Design and application of forming device for the thin-walled C f /Mg composite component. <i>Journal of Materials Processing Technology</i> , 2016, 238, 459-465.	3.1	5
113	Uniform nitrogen-doped graphene lines with favorable outlines printed by elaborate regulation of drying and overlapping. <i>Applied Surface Science</i> , 2019, 473, 614-621.	3.1	5
114	A new kind of resin-based wet friction material: Non-woven fabrics with isotropic fiber networks as preforms. <i>Friction</i> , 2021, 9, 92-103.	3.4	5
115	Drop-on-demand printing of edge-enhanced and conductive graphene twin-lines by coalescence regulation and multi-layers overwriting. <i>2D Materials</i> , 2021, 8, 035004.	2.0	5
116	Analysis Techniques of Lattice Fringe Images for Quantified Evaluation of Pyrocarbon by Chemical Vapor Infiltration. <i>Microscopy and Microanalysis</i> , 2014, 20, 1591-1600.	0.2	4
117	Influence of Notch on Mechanical Properties of Cf/Mg Composite Fabricated by LSEVI. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 3328-3334.	1.2	4
118	Quantitative characterization of the fiber orientation variation in the Csf/Mg composites. <i>Computational Materials Science</i> , 2015, 98, 56-63.	1.4	4
119	Tool wear morphologies and mechanisms for cutting Cf/Mg composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 613-619.	1.5	4
120	Quantitative characterization of the carbon/carbon composites components based on video of polarized light microscope. <i>Microscopy Research and Technique</i> , 2017, 80, 644-651.	1.2	4
121	Inertia-based identification of elastic anisotropic properties for materials undergoing dynamic loadings using the virtual fields method and heterogeneous impact tests. <i>Materials and Design</i> , 2021, 203, 109594.	3.3	4
122	Fractal characterization of pore microstructure evolution in carbon/carbon composites. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 871-877.	0.9	3
123	Modeling of Generation of Uniform Metal Droplet During Drop-On-Demand Spray Forming. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 1408-1412.	0.4	3
124	Modeling of transverse welds formation during liquid-solid extrusion directly following vacuum infiltration of magnesium matrix composite. <i>Journal of Magnesium and Alloys</i> , 2015, 3, 218-223.	5.5	3
125	Effect of MoS ₂ on the tribological properties of carbon fabric composites under wet conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018, 232, 126-135.	1.0	3
126	A novel method to improve the line resolution of stretchable graphene-based line by embedded uniform droplet printing. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 385301.	1.3	3

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127	Direct printing of surface-embedded stretchable graphene patterns with strong adhesion on viscous substrates. Journal of Industrial and Engineering Chemistry, 2022, , .	2.9	3
128	Growth mode of interfacial products of Csf/Mg-7.6Al composites. Ceramics International, 2022, 48, 26954-26963.	2.3	3
129	Fabrication of Ni-coated carbon nanotubes reinforced magnesium matrix composites. , 2013, , .		2
130	Development and Experimental Research of Aluminium Alloy Droplet Generator based on Mechanical Vibration. Procedia Engineering, 2014, 81, 1583-1588.	1.2	2
131	Modelling of Uniform Micron-sized Metal Particles Production Using Harmonic Mechanical Excitation. Procedia Engineering, 2014, 81, 1312-1317.	1.2	2
132	Principal strain-induced fiber orientation evolution in the C_{sf}/Mg composites with a large deformation. Journal of Composite Materials, 2015, 49, 3229-3240.	1.2	2
133	Effect of Liquidâ€™Solid Extrusion on the High-Temperature Compressive Properties of C_{sf}/Mg Composites. Materials and Manufacturing Processes, 2015, 30, 1391-1396.	2.7	2
134	Development of a droplet generation equipment for nano carbon thin films printing. , 2016, , .		2
135	Fabrication and Characterization of Aligned Carbon Nanotubes Cluster Reinforced Magnesium Composite Based On Ultrasound/Magnetic Compound Field. Procedia Engineering, 2017, 207, 95-100.	1.2	2
136	3D Printing of Micro Electrolyte Film by Using Micro-pen-writing. , 2018, , .		2
137	An Identification Method for Anisotropic Plastic Constitutive Parameters of Sheet Metals. Procedia Manufacturing, 2020, 47, 812-815.	1.9	2
138	Simulation and experiment research of the uniform drolet spray process. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2008, 44, 86.	0.7	2
139	A VFM-based identification method for the dynamic anisotropic plasticity of sheet metals. International Journal of Mechanical Sciences, 2022, 230, 107550.	3.6	2
140	Numerical Simulation of Liquid-Solid Extrusion Process Based on the Mechanical Model Coupled with Solidification. Advances in Mechanical Engineering, 2013, 5, 932348.	0.8	1
141	Plastic Micromechanical Response of 2D Cross Ply Magnesium Matrix Composites. Procedia Engineering, 2014, 81, 1354-1359.	1.2	1
142	CARBON NANOTUBES FUNCTIONALIZED WITH METAL NANOPARTICLES ON THE SURFACE FOR DIRECTIONAL ARRANGEMENT. Surface Review and Letters, 2017, 24, 1750013.	0.5	1
143	Development of a Metal Micro-droplet Ejecting Equipment for Manipulation Jetting Trajectory. , 2018, , .		1
144	Simulation of Tensile Behaviors of Bamboo-like Carbon Nanotubes Based on Molecular Structural Mechanics Approach Combining with Finite Element Analysis. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 11-16.	0.4	1

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145	Direct Fabrication of Micron-Thickness PVA-CNT Patterned Films by Integrating Micro-Pen Writing of PVA Films and Drop-on-Demand Printing of CNT Micropatterns. <i>Nanomaterials</i> , 2021, 11, 2335.	1.9	1
146	NUMERICAL SIMULATION ON THE LIQUID-SOLID EXTRUSION PROCESS FOR FORMING Al ₂ O ₃ /LY12 COMPOSITE TUBES. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2002, 38, 102.	0.7	1
147	The Fabrication of Al ₂ O ₃ /C morph-genetic ceramics by biotemplating from ramie fibers. , 2010, , .		0
148	Deposition manufacturing of three-dimensional objects by spraying the metal droplets. , 2010, , .		0
149	Numerical investigation of size and chirality effects on mechanical properties of graphene nanoribbons. , 2012, , .		0
150	Liquid-Solid Forming under High Pressure. <i>Advances in Mechanical Engineering</i> , 2014, 6, 476184.	0.8	0
151	Definition and extraction of characterization parameters for pyrocarbon by chemical vapor infiltration based on α lattice fringe images. <i>Composite Interfaces</i> , 2017, 24, 381-398.	1.3	0
152	Control of particle size in energetic drop-on-demand inkjet method. , 2017, , .		0
153	Simulation of Aluminum Droplet Formation Process Based on the Uniform Droplet Ejection Technique in Microgravity. , 2019, , .		0
154	Plasticity Improvement of CNTs/Mg Nanocomposite Materials Processed by Combining Friction Stir Processing and Ultrasonic-Assisted Extrusion. <i>Minerals, Metals and Materials Series</i> , 2021, , 2221-2230.	0.3	0
155	Experimental and Numerical Evaluations for Failure Mechanism of Notched C _f /Mg Composite. <i>Integrated Ferroelectrics</i> , 2021, 219, 218-232.	0.3	0
156	Control of crystal morphology in energetic drop-on-demand inkjet method. <i>International Journal of Nanomanufacturing</i> , 2020, 16, 340.	0.3	0