

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	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
2	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
3	Direct printing of surface-embedded stretchable graphene patterns with strong adhesion on viscous substrates. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, , .	2.9	3
4	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
5	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
6	Growth mode of interfacial products of Csf/Mg-7.6Al composites. <i>Ceramics International</i> , 2022, 48, 26954-26963.	2.3	3
7	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
8	A VFM-based identification method for the dynamic anisotropic plasticity of sheet metals. <i>International Journal of Mechanical Sciences</i> , 2022, 230, 107550.	3.6	2
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	An advanced method for efficiently generating composite RVEs with specified particle orientation. <i>Composites Science and Technology</i> , 2021, 205, 108647.	3.8	21
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Experimental and Numerical Evaluations for Failure Mechanism of Notched C _f /Mg Composite. <i>Integrated Ferroelectrics</i> , 2021, 219, 218-232.	0.3	0
27	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
28	Strengthening mechanism of SiC nanowires on microhardness of AZ91D-based composites. <i>Ceramics International</i> , 2021, 47, 30310-30318.	2.3	6
29	Interfacial microstructure and strengthening mechanisms of Cf/Mg composite with double-layer interface. <i>Ceramics International</i> , 2021, 47, 31149-31159.	2.3	6
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	An Identification Method for Anisotropic Plastic Constitutive Parameters of Sheet Metals. <i>Procedia Manufacturing</i> , 2020, 47, 812-815.	1.9	2
42	Effect of pore structure on mechanical and tribological properties of paper-based friction materials. <i>Tribology International</i> , 2020, 148, 106307.	3.0	24
43	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
44	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
45	Control of crystal morphology in energetic drop-on-demand inkjet method. <i>International Journal of Nanomanufacturing</i> , 2020, 16, 340.	0.3	0
46	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
47	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
48	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
49	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
50	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
51	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
52	Weakly charged droplets fundamentally change impact dynamics on flat surfaces. <i>Soft Matter</i> , 2019, 15, 5548-5553.	1.2	20
53	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
54	Simulation of Tensile Behaviors of Bamboo-like Carbon Nanotubes Based on Molecular Structural Mechanics Approach Combining with Finite Element Analysis. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 11-16.	0.4	1

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55	Simulation of Aluminum Droplet Formation Process Based on the Uniform Droplet Ejection Technique in Microgravity. , 2019, , .		0
56	Parametric mapping of linear deposition morphology in uniform metal droplet deposition technique. Journal of Materials Processing Technology, 2019, 264, 234-239.	3.1	17
57	Direct fabrication of metal tubes with high-quality inner surfaces via droplet deposition over soluble cores. Journal of Materials Processing Technology, 2019, 264, 145-154.	3.1	48
58	Uniform nitrogen-doped graphene lines with favorable outlines printed by elaborate regulation of drying and overlapping. Applied Surface Science, 2019, 473, 614-621.	3.1	5
59	Effect of SiC nanowires addition on the interfacial microstructure and mechanical properties of the Cf-SiCNWs/AZ91D composite. Journal of Alloys and Compounds, 2019, 776, 746-756.	2.8	25
60	An analysis of the factors affecting strengthening in carbon fiber reinforced magnesium composites. Composite Structures, 2019, 209, 328-336.	3.1	29
61	Periodic boundary condition and its numerical implementation algorithm for the evaluation of effective mechanical properties of the composites with complicated micro-structures. Composites Part B: Engineering, 2019, 162, 1-10.	5.9	98
62	Hole-defects in soluble core assisted aluminum droplet printing: Metallurgical mechanisms and elimination methods. Applied Thermal Engineering, 2019, 148, 1183-1193.	3.0	55
63	A new interpolative homogenization model for evaluation of the effective elasto-plastic responses of two-phase composites. Composite Structures, 2019, 210, 810-821.	3.1	9
64	Numerical study of the effects of irregular pores on transverse mechanical properties of unidirectional composites. Composites Science and Technology, 2018, 159, 142-151.	3.8	51
65	Elimination of droplet rebound off soluble substrate in metal droplet deposition. Materials Letters, 2018, 216, 232-235.	1.3	21
66	Experimental and multi-scale numerical evaluations for effective mechanical properties of 2-D Cf/Mg composites. Composite Structures, 2018, 189, 1-8.	3.1	9
67	Interfacial failure behavior of PyC-C f /AZ91D composite fabricated by LSEVI. Journal of Materials Science and Technology, 2018, 34, 1602-1608.	5.6	12
68	Effect of PyC coating on mechanical properties of C_f/AZ91D composites. Surface Engineering, 2018, 34, 852-860.	1.1	7
69	Numerical evaluation of the effect of pores on effective elastic properties of carbon/carbon composites. Composite Structures, 2018, 196, 108-116.	3.1	43
70	Effect of the surface morphology of solidified droplet on remelting between neighboring aluminum droplets. International Journal of Machine Tools and Manufacture, 2018, 130-131, 1-11.	6.2	75
71	Effect of MoS2 on the tribological properties of carbon fabric composites under wet conditions. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 126-135.	1.0	3
72	Numerical evaluation of the influence of porosity on bending properties of 2D carbon/carbon composites. Composites Part B: Engineering, 2018, 136, 72-80.	5.9	37

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73	Development of a Metal Micro-droplet Ejecting Equipment for Manipulation Jetting Trajectory. , 2018, , .		1
74	3D Printing of Micro Electrolyte Film by Using Micro-pen-writing. , 2018, , .		2
75	Experimental study and mechanism analysis on the effect of substrate wettability on graphene sheets distribution morphology within uniform printing droplets. Journal of Physics Condensed Matter, 2018, 30, 335001.	0.7	12
76	Grafting CNTs on carbon fabrics with enhanced mechanical and thermal properties for tribological applications of carbon fabrics/phenolic composites. Carbon, 2018, 139, 45-51.	5.4	73
77	Direct fabrication of unsupported inclined aluminum pillars based on uniform micro droplets deposition. International Journal of Machine Tools and Manufacture, 2017, 116, 18-24.	6.2	35
78	Experimental investigation on the height deviation of bumps printed by solder jet technology. Journal of Materials Processing Technology, 2017, 243, 291-298.	3.1	25
79	CARBON NANOTUBES FUNCTIONALIZED WITH METAL NANOPARTICLES ON THE SURFACE FOR DIRECTIONAL ARRANGEMENT. Surface Review and Letters, 2017, 24, 1750013.	0.5	1
80	Geometry control of closed contour forming in uniform micro metal droplet deposition manufacturing. Journal of Materials Processing Technology, 2017, 243, 474-480.	3.1	15
81	Microstructure and tensile behavior of 2D-C f /AZ91D composites fabricated by liquidâ€solid extrusion and vacuum pressure infiltration. Journal of Materials Science and Technology, 2017, 33, 541-546.	5.6	27
82	Quantitative characterization of the carbon/carbon composites components based on video of polarized light microscope. Microscopy Research and Technique, 2017, 80, 644-651.	1.2	4
83	Tensile and fatigue behavior of carbon fiber reinforced magnesium composite fabricated by liquid-solid extrusion following vacuum pressure infiltration. Journal of Alloys and Compounds, 2017, 721, 55-63.	2.8	27
84	Modeling of the dynamic recrystallization behavior of Csf/AZ91D magnesium matrix composites during hot compression process. Journal of Alloys and Compounds, 2017, 708, 328-336.	2.8	15
85	Printing Functional 3D Microdevices by Laserâ€Induced Forward Transfer. Small, 2017, 13, 1602553.	5.2	70
86	Evolution of interfacial microstructures and mechanical properties of C f /AZ91 composite during heat treatment. Vacuum, 2017, 145, 245-250.	1.6	11
87	Fabrication and mechanical properties of CNTs/Mg composites prepared by combining friction stir processing and ultrasonic assisted extrusion. Journal of Alloys and Compounds, 2017, 728, 282-288.	2.8	75
88	Interfacial microstructure and mechanical properties of Cf/AZ91D composites with TiO2 and PyC fiber coatings. Micron, 2017, 101, 170-176.	1.1	16
89	Formation of uniform metal traces using alternate droplet printing. International Journal of Machine Tools and Manufacture, 2017, 122, 47-54.	6.2	32
90	Definition and extraction of characterization parameters for pyrocarbon by chemical vapor infiltration based on OÂ2 lattice fringe images. Composite Interfaces, 2017, 24, 381-398.	1.3	0

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91	Fabrication and Characterization of Aligned Carbon Nanotubes Cluster Reinforced Magnesium Composite Based On Ultrasound/Magnetic Compound Field. <i>Procedia Engineering</i> , 2017, 207, 95-100.	1.2	2
92	Control of particle size in energetic drop-on-demand inkjet method. , 2017, , .		0
93	Development of a droplet generation equipment for nano carbon thin films printing. , 2016, , .		2
94	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
95	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
96	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
97	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
98	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
99	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
100	Constitutive equation for the hot deformation behavior of Csf/AZ91D composites and its validity for numerical simulation. <i>Mechanics of Materials</i> , 2016, 102, 90-96.	1.7	25
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	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

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109	Modeling of transverse welds formation during liquidâ€‘solid extrusion directly following vacuum infiltration of magnesium matrix composite. <i>Journal of Magnesium and Alloys</i> , 2015, 3, 218-223.	5.5	3
110	Principal strain-induced fiber orientation evolution in the C _{sf} /Mg composites with a large deformation. <i>Journal of Composite Materials</i> , 2015, 49, 3229-3240.	1.2	2
111	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
112	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
113	Oxidation protection of carbon/carbon composites by a novel SiC nanoribbon-reinforced SiCâ€‘Si ceramic coating. <i>Corrosion Science</i> , 2015, 92, 272-279.	3.0	51
114	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
115	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
116	Effect of Liquidâ€‘Solid Extrusion on the High-Temperature Compressive Properties of C _{sf} /Mg Composites. <i>Materials and Manufacturing Processes</i> , 2015, 30, 1391-1396.	2.7	2
117	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
118	Quantitative characterization of the fiber orientation variation in the C _{sf} /Mg composites. <i>Computational Materials Science</i> , 2015, 98, 56-63.	1.4	4
119	Development and Experimental Research of Aluminium Alloy Droplet Generator based on Mechanical Vibration. <i>Procedia Engineering</i> , 2014, 81, 1583-1588.	1.2	2
120	Plastic Micromechanical Response of 2D Cross Ply Magnesium Matrix Composites. <i>Procedia Engineering</i> , 2014, 81, 1354-1359.	1.2	1
121	Ferroceneâ€‘Catalyzed Growth of Singleâ€‘Crystalline 6Hâ€‘SiC Nanoribbons. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3363-3366.	1.9	9
122	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
123	Oxidation protection of C/C composites by ultra long SiC nanowire-reinforced SiCâ€‘Si coating. <i>Corrosion Science</i> , 2014, 84, 204-208.	3.0	49
124	Periodically twinned 6H-SiC nanowires with fluctuating stems. <i>Ceramics International</i> , 2014, 40, 4455-4460.	2.3	24
125	Effect of temperature and strain rate on the tensile properties related to hot cracking of C _{sf} /AZ91D composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 596, 157-164.	2.6	11
126	Effects of the fiber orientation and fiber aspect ratio on the tensile strength of C _{sf} /Mg composites. <i>Computational Materials Science</i> , 2014, 89, 6-11.	1.4	36

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127	Liquid-Solid Forming under High Pressure. <i>Advances in Mechanical Engineering</i> , 2014, 6, 476184.	0.8	0
128	Modelling of Uniform Micron-sized Metal Particles Production Using Harmonic Mechanical Excitation. <i>Procedia Engineering</i> , 2014, 81, 1312-1317.	1.2	2
129	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
130	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
131	Oxidation protection and behavior of C/C composites with an in situ SiC nanowire- $\text{SiC}/\text{Si}/\text{SiC}/\text{Si}$ coating. <i>Corrosion Science</i> , 2013, 70, 285-289.	3.0	57
132	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
133	Large-scale synthesis, growth mechanism, and photoluminescence of 3C-SiC nanobelts. <i>Materials Letters</i> , 2013, 109, 275-278.	1.3	18
134	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
135	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
136	Improvement of $\text{SiC}/\text{Si}/\text{MAS}$ 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
137	Fabrication of Ni-coated carbon nanotubes reinforced magnesium matrix composites. , 2013, , .		2
138	Numerical Simulation of Liquid-Solid Extrusion Process Based on the Mechanical Model Coupled with Solidification. <i>Advances in Mechanical Engineering</i> , 2013, 5, 932348.	0.8	1
139	Numerical investigation of size and chirality effects on mechanical properties of graphene nanoribbons. , 2012, , .		0
140	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
141	Toughening by SiC Nanowires in a Dense $\text{SiC}/\text{Si}/\text{SiC}$ Ceramic Coating for Oxidation Protection of C/C Composites. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3691-3697.	1.9	63
142	Oxidation protection of SiC-coated C/C composites by SiC nanowire-toughened $\text{CrSi}_2/\text{SiC}/\text{Si}$ coating. <i>Corrosion Science</i> , 2012, 55, 394-400.	3.0	57
143	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
144	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

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145	A constitutive model for predicting flow stress of Al18B4O33w/AZ91D composite during hot compression and its validation. Computational Materials Science, 2011, 50, 2422-2426.	1.4	24
146	Stable micro-feeding of fine powders using a capillary with ultrasonic vibration. Powder Technology, 2011, 214, 237-242.	2.1	30
147	Constitutive behavior of Csf/AZ91D composites compressed at elevated temperature and containing a small fraction of liquid. Composites Science and Technology, 2011, 71, 955-961.	3.8	18
148	Study on stable delivery of charged uniform droplets for freeform fabrication of metal parts. Science China Technological Sciences, 2011, 54, 1833-1840.	2.0	9
149	The Fabrication of Al$_2$O$_3$/C morph-genetic ceramics by biotemplating from ramie fibers. , 2010, , .		0
150	Effect of Temperature on the Synthesis of SiC Coating on Carbon Fibers by the Reaction of SiO with the Deposited Pyrolytic Carbon Layer. Journal of Materials Science and Technology, 2010, 26, 211-216.	5.6	17
151	Deposition manufacturing of three-dimensional objects by spraying the metal droplets. , 2010, , .		0
152	Research on precision calibration techniques for selected area electron diffraction patterns of pyrocarbon. Microscopy Research and Technique, 2009, 72, 338-342.	1.2	5
153	Fractal characterization of pore microstructure evolution in carbon/carbon composites. Science in China Series D: Earth Sciences, 2009, 52, 871-877.	0.9	3
154	Fabrication of short carbon fiber preforms coated with pyrocarbon/SiC for liquid metal infiltration. Journal of Materials Science, 2008, 43, 4618-4624.	1.7	19
155	Simulation and experiment research of the uniform drolet spray process. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2008, 44, 86.	0.7	2
156	NUMERICAL SIMULATION ON THE LIQUID-SOLID EXTRUSION PROCESS FOR FORMING Al2O3sf/LY12 COMPOSITE TUBES. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2002, 38, 102.	0.7	1