Jun Wei

List of Publications by Year
in descending order

78 papers	11,784 citations	61687 45 h-index	81351 76 g-index
78 all docs	78 docs citations	78 times ranked	20319 citing authors

#	Article	IF	Citations
1	3D Printing of a Flexible Inclinedâ€Tip Cone Arrayâ€Based Pressure Sensor. Advanced Materials Technologies, 2022, 7, .	3.0	11
2	Quasi-static indentation analysis on three-dimensional printed continuous-fiber sandwich composites. Journal of Sandwich Structures and Materials, 2021, 23, 385-404.	2.0	20
3	Fracture toughness characteristics of additively manufactured Tiâ€“6Alâ€“4V lattices. European Journal of Mechanics, A/Solids, 2021, 86, 104170.	2.1	18
4	Enhancement in the Mechanical Stretchability of PEDOT:PSS Films by Compounds of Multiple Hydroxyl Groups for Their Application as Transparent Stretchable Conductors. Macromolecules, 2021, 54, 1234-1242.	2.2	29
5	Superior energy absorption of continuously graded microlattices by electron beam additive manufacturing. Virtual and Physical Prototyping, 2021, 16, 14-28.	5.3	28
6	Pseudo-ductile fracture of 3D printed alumina triply periodic minimal surface structures. Journal of the European Ceramic Society, 2020, 40, 408-416.	2.8	29
7	High speed 4D printing of shape memory polymers with nanosilica. Applied Materials Today, 2020, 18, 100515.	2.3	77
8	Characterization of nanoparticle mixed 316â€‰L powder for additive manufacturing. Journal of Materials Science and Technology, 2020, 47, 162-168.	5.6	48
9	High cycle fatigue life prediction of laser additive manufactured stainless steel: A machine learning approach. International Journal of Fatigue, 2019, 128, 105194.	2.8	133
10	Biocompatible Conductive Polymers with High Conductivity and High Stretchability. ACS Applied Materials & Interfaces, 2019, 11, 26185-26193.	4.0	130
11	Design concepts for generating optimised lattice structures aligned with strain trajectories. Computer Methods in Applied Mechanics and Engineering, 2019, 354, 689-705.	3.4	29
12	High cycle fatigue and ratcheting interaction of laser powder bed fusion stainless steel 316L: Fracture behaviour and stress-based modelling. International Journal of Fatigue, 2019, 121, 252-264.	2.8	52
13	Tribological and mechanical properties of MoS2 enhanced polyamide 12 for selective laser sintering. Journal of Materials Processing Technology, 2019, 264, 382-388.	3.1	37
14	Novel rotating-vibrating magnetic abrasive polishing method for double-layered internal surface finishing. Journal of Materials Processing Technology, 2019, 264, 422-437.	3.1	82
15	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. Advanced Healthcare Materials, 2018, 7, e1701406.	3.9	166
16	Predictive models for fatigue property of laser powder bed fusion stainless steel 316L. Materials and Design, 2018, 145, 42-54.	3.3	56
17	Crack monitoring and failure investigation on inkjet printed sandwich structures under quasi-static indentation test. Materials and Design, 2018, 137, 140-151.	3.3	36
18	Elucidating the Relations Between Monotonic and Fatigue Properties of Laser Powder Bed Fusion Stainless Steel 316L. Jom, 2018, 70, 390-395.	0.9	26

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19	Effect of heat treatment on fatigue crack initiation of laser powder bed fusion stainless steel 316L. MATEC Web of Conferences, 2018, 165, 22006.	0.1	8
20	Energy absorption characteristics of metallic triply periodic minimal surface sheet structures under compressive loading. Additive Manufacturing, 2018, 23, 505-515.	1.7	257
21	Development of CNTs-filled photopolymer for projection stereolithography. Rapid Prototyping Journal, 2017, 23, 129-136.	1.6	26
22	Toughening of polyamide 11 with carbon nanotubes for additive manufacturing. Virtual and Physical Prototyping, 2017, 12, 235-240.	5.3	41
23	4D printing of high performance shape memory polymer using stereolithography. Materials and Design, 2017, 126, 219-225.	3.3	243
24	Optimisation of functionally graded lattice structures using isostatic lines. Materials and Design, 2017, 127, 215-223.	3.3	131
25	Material jetting additive manufacturing: An experimental study using designed metrological benchmarks. Precision Engineering, 2017, 50, 275-285.	1.8	153
26	Fatigue and fracture behaviour of laser powder bed fusion stainless steel 316L: Influence of processing parameters. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 251-261.	2.6	134
27	Characteristics of Inconel Powders for Powder-Bed Additive Manufacturing. Engineering, 2017, 3, 695-700.	3.2	113
28	Compressive properties of Ti-6Al-4V lattice structures fabricated by selective laser melting: Design, orientation and density. Additive Manufacturing, 2017, 16, 213-224.	1.7	109
29	Effect of different heat treatments on the microstructure and mechanical properties in selective laser melted INCONEL 718 alloy. Materials and Manufacturing Processes, 2017, 32, 1588-1595.	2.7	131
30	Performance evaluation of ProJet multi-material jetting 3D printer. Virtual and Physical Prototyping, 2017, 12, 95-103.	5.3	81
31	Investigation of Quasi-Static Indentation Response of Inkjet Printed Sandwich Structures under Various Indenter Geometries. Materials, 2017, 10, 290.	1.3	40
32	Antibacterial performance of graphene oxide complemented with pluronic F-127 on physiologically mature gram-negative bacteria. , 2017, , .		0
33	Material Evaluation and Process Optimization of CNT-Coated Polymer Powders for Selective Laser Sintering. Polymers, 2016, 8, 370.	2.0	93
34	Energy Absorption of Thermoplastic Polyurethane Lattice Structures via 3D Printing: Modeling and Prediction. International Journal of Applied Mechanics, 2016, 08, 1640006.	1.3	60
35	Characterization of Creeping and Shape Memory Effect in Laser Sintered Thermoplastic Polyurethane. Journal of Computing and Information Science in Engineering, 2016, 16, .	1.7	33
36	The effect of processing conditions on the mechanical properties of polyethylene produced by selective laser sintering. Polymer Testing, 2016, 52, 89-93.	2.3	68

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37	Highly enhanced thermal conductivity of thermoplastic nanocomposites with a low mass fraction of MWCNTs by a facilitated latex approach. Composites Part A: Applied Science and Manufacturing, 2016, 90, 699-710.	3.8	76
38	Porous cobalt phosphide/graphitic carbon polyhedral hybrid composites for efficient oxygen evolution reactions. Journal of Materials Chemistry A, 2016, 4, 13742-13745.	5.2	117
39	Bacterial physiology is a key modulator of the antibacterial activity of graphene oxide. Nanoscale, 2016, 8, 17181-17189.	2.8	42
40	Cobalt diselenide nanoparticles embedded within porous carbon polyhedra as advanced electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2016, 330, 132-139.	4.0	34
41	Synergism of Water Shock and a Biocompatible Block Copolymer Potentiates the Antibacterial Activity of Graphene Oxide. Small, 2016, 12, 951-962.	5.2	30
42	Microhardness and microstructure evolution of TiB2 reinforced Inconel 625/TiB2 composite produced by selective laser melting. Optics and Laser Technology, 2016, 80, 186-195.	2.2	101
43	Space-confined assembly of all-carbon hybrid fibers for capacitive energy storage: realizing a built-to-order concept for micro-supercapacitors. Energy and Environmental Science, 2016, 9, 611-622.	15.6	94
44	Thermal Influence of CNT on the Polyamide 12 Nanocomposite for Selective Laser Sintering. Molecules, 2015, 20, 19041-19050.	1.7	72
45	Recent progress in synthesis, properties and potential applications of SiC nanomaterials. Progress in Materials Science, 2015, 72, 1-60.	16.0	415
46	Ternary Hybrids of Amorphous Nickel Hydroxideâ€“Carbon Nanotubeâ€Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. Advanced Functional Materials, 2015, 25, 1063-1073.	7.8	288
47	Nickel hydroxideâ€“carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. Nanotechnology, 2015, 26, 314003.	1.3	15
48	Inâ€Situ Formation of Hollow Hybrids Composed of Cobalt Sulfides Embedded within Porous Carbon Polyhedra/Carbon Nanotubes for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2015, 27, 3038-3044.	11.1	620
49	Effect of surface orientation on the tribological properties of laser sintered polyamide 12. Polymer Testing, 2015, 48, 111-114.	2.3	31
50	Emergence of fiber supercapacitors. Chemical Society Reviews, 2015, 44, 647-662.	18.7	498
51	A general approach towards multi-faceted hollow oxide composites using zeolitic imidazolate frameworks. Nanoscale, 2015, 7, 965-974.	2.8	53
52	Singleâ€Layer Transition Metal Dichalcogenide Nanosheetâ€Assisted Assembly of Aggregationâ€Induced Emission Molecules to Form Organic Nanosheets with Enhanced Fluorescence. Advanced Materials, 2014, 26, 1735-1739.	11.1	77
53	The effect of nano-hydroxyapatite on the microstructure and properties of Mgâ€“3Znâ€“0.5Zr alloy. Journal of Composite Materials, 2014, 48, 825-834.	1.2	22
54	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. Nanoscale, 2014, 6, 5624.	2.8	320

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55	Porous Spinel Zn_xCo_{3â€“x}O₄ Hollow Polyhedra Templated for High-Rate Lithium-Ion Batteries. ACS Nano, 2014, 8, 6297-6303.	7.3	392
56	Zeolitic Imidazolate Framework 67â€Derived High Symmetric Porous Co₃O₄ Hollow Dodecahedra with Highly Enhanced Lithium Storage Capability. Small, 2014, 10, 1932-1938.	5.2	442
57	MOF-templated formation of porous CuO hollow octahedra for lithium-ion battery anode materials. Journal of Materials Chemistry A, 2013, 1, 11126.	5.2	361
58	Molten-salt-mediated synthesis of SiC nanowires for microwave absorption applications. CrystEngComm, 2013, 15, 570-576.	1.3	182
59	Synthesis of grapheneâ€“conjugated polymer nanocomposites for electronic device applications. Nanoscale, 2013, 5, 1440.	2.8	80
60	Effects of anodizing biodegradable Mgâ€“Znâ€“Zr alloy on the deposition of Caâ€“P coating. Surface and Coatings Technology, 2013, 228, S111-S115.	2.2	18
61	Assembly of Pt Nanowires into Cubelike Superstructures Supported on Aligned Carbon Nanotubes as Highly Stable Electrocatalysts. Chemistry - A European Journal, 2013, 19, 9155-9159.	1.7	8
62	Well-aligned SiC nanoneedle arrays for excellent field emitters. Materials Letters, 2013, 91, 220-223.	1.3	44
63	Synthesis and characterization of air-stable Cu nanoparticles for conductive pattern drawing directly on paper substrates. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	22
64	Length-dependent performances of sodium deoxycholate-dispersed single-walled carbon nanotube thin-film transistors. Journal of Materials Research, 2013, 28, 1004-1011.	1.2	11
65	Growth of Tapered SiC Nanowires on Flexible Carbon Fabric: Toward Field Emission Applications. Journal of Physical Chemistry C, 2012, 116, 12940-12945.	1.5	78
66	Lateral Dimension-Dependent Antibacterial Activity of Graphene Oxide Sheets. Langmuir, 2012, 28, 12364-12372.	1.6	498
67	Graphene Oxide as a Novel Nanoplatform for Enhancement of Aggregationâ€Induced Emission of Silole Fluorophores. Advanced Materials, 2012, 24, 4191-4195.	11.1	85
68	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. ChemPlusChem, 2012, 77, 688-693.	1.3	24
69	Reduced Graphene Oxide Conjugated Cu₂O Nanowire Mesocrystals for High-Performance NO₂ Gas Sensor. Journal of the American Chemical Society, 2012, 134, 4905-4917.	6.6	706
70	Research of organic field effect transistors based on semiconducting single-walled carbon nanotubes. Optoelectronics Letters, 2012, 8, 260-263.	0.4	0
71	Antibacterial Activity of Graphite, Graphite Oxide, Graphene Oxide, and Reduced Graphene Oxide: Membrane and Oxidative Stress. ACS Nano, 2011, 5, 6971-6980.	7.3	2,384
72	Effects of P3HT concentration on the performance of organic field effect transistors. Optoelectronics Letters, 2011, 7, 30-32.	0.4	13

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73	Influence of charge carrier injection at emitter electrode/emitter interface on the performance of metal-base organic transistors. Optoelectronics Letters, 2010, 6, 195-198.	0.4	1
74	In vitro corrosion resistance and cytocompatibility of nano-hydroxyapatite reinforced Mgâ€“Znâ€“Zr composites. Journal of Materials Science: Materials in Medicine, 2010, 21, 1321-1328.	1.7	125
75	Solutionâ€Processable Carbon Nanotubes for Semiconducting Thinâ€Film Transistor Devices. Advanced Materials, 2010, 22, 1278-1282.	11.1	50
76	Antibacterial action of dispersed single-walled carbon nanotubes on Escherichia coli and Bacillus subtilis investigated by atomic force microscopy. Nanoscale, 2010, 2, 2744.	2.8	153
77	Polymer Photovoltaic Cells Based on Solutionâ€Processable Graphene and P3HT. Advanced Functional Materials, 2009, 19, 894-904.	7.8	470
78	Influence of PEDOT:PSS buffer layer on the performance of organic photocoupler. Optoelectronics Letters, 2009, 5, 173-176.	0.4	4