

Dichen Li

List of Publications by Year in descending order

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187
papers

4,459
citations

101496

36
h-index

155592

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g-index

189
all docs

189
docs citations

189
times ranked

4781
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Fiber Reinforced PEEK Composites Based on 3D-Printing Technology for Orthopedic and Dental Applications. <i>Journal of Clinical Medicine</i> , 2019, 8, 240.	1.0	221
2	The Emerging Frontiers and Applications of High-Resolution 3D Printing. <i>Micromachines</i> , 2017, 8, 113.	1.4	151
3	Vibration energy harvesting using a phononic crystal with point defect states. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	147
4	Micro/nanoscale electrohydrodynamic printing: from 2D to 3D. <i>Nanoscale</i> , 2016, 8, 15376-15388.	2.8	136
5	Curing Methods for Advanced Polymer Composites - A Review. <i>Polymers and Polymer Composites</i> , 2013, 21, 341-348.	1.0	129
6	Fabrication of High-Performance Silver Mesh for Transparent Glass Heaters via Electric-Field-Driven Microscale 3D Printing and UV-Assisted Microtransfer. <i>Advanced Materials</i> , 2019, 31, e1902479.	11.1	99
7	Templateless, Plating-Free Fabrication of Flexible Transparent Electrodes with Embedded Silver Mesh by Electric-Field-Driven Microscale 3D Printing and Hybrid Hot Embossing. <i>Advanced Materials</i> , 2021, 33, e2007772.	11.1	78
8	Advanced Material Strategies for Next-Generation Additive Manufacturing. <i>Materials</i> , 2018, 11, 166.	1.3	76
9	Modelling and characterisation for the responsive performance of CF/PLA and CF/PEEK smart materials fabricated by 4D printing. <i>Virtual and Physical Prototyping</i> , 2017, 12, 69-76.	5.3	74
10	Viscoelastic creep and relaxation of dielectric elastomers characterized by a Kelvin-Voigt-Maxwell model. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	68
11	Cartilage Repair and Subchondral Bone Migration Using 3D Printing Osteochondral Composites: A One-Year-Period Study in Rabbit Trochlea. <i>BioMed Research International</i> , 2014, 2014, 1-16.	0.9	67
12	Custom design and biomechanical analysis of 3D-printed PEEK rib prostheses. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 1083-1092.	1.4	66
13	Manufacturing and Analysis of High-Performance Refractory High-Entropy Alloy via Selective Laser Melting (SLM). <i>Materials</i> , 2019, 12, 720.	1.3	63
14	Fabrication of circular microfluidic network in enzymatically-crosslinked gelatin hydrogel. <i>Materials Science and Engineering C</i> , 2016, 59, 53-60.	3.8	62
15	Prediction of in vivo joint mechanics of an artificial knee implant using rigid multi-body dynamics with elastic contacts. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014, 228, 564-575.	1.0	60
16	Application of 3D printed customized external fixator in fracture reduction. <i>Injury</i> , 2015, 46, 1150-1155.	0.7	59
17	Preliminary Investigation of Poly-Ether-Ether-Ketone Based on Fused Deposition Modeling for Medical Applications. <i>Materials</i> , 2018, 11, 288.	1.3	59
18	A general multi-objective topology optimization methodology developed for customized design of pelvic prostheses. <i>Medical Engineering and Physics</i> , 2019, 69, 8-16.	0.8	56

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19	Electrohydrodynamic Printing of Microscale PEDOT:PSS-PEO Features with Tunable Conductive/Thermal Properties. ACS Applied Materials & Interfaces, 2018, 10, 19116-19122.	4.0	55
20	3D Bioprinting of Multifunctional Dynamic Nanocomposite Bioinks Incorporating Cu-Doped Mesoporous Bioactive Glass Nanoparticles for Bone Tissue Engineering. Small, 2022, 18, e2104996.	5.2	52
21	Three-Dimensional Printing PEEK Implant: A Novel Choice for the Reconstruction of Chest Wall Defect. Annals of Thoracic Surgery, 2019, 107, 921-928.	0.7	51
22	3D-printed PEEK implant for mandibular defects repair - a new method. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 116, 104335.	1.5	51
23	Additively-manufactured PEEK/HA porous scaffolds with highly-controllable mechanical properties and excellent biocompatibility. Materials Science and Engineering C, 2021, 128, 112333.	3.8	51
24	Effect of component malrotation on knee loading in total knee arthroplasty using multi-body dynamics modeling under a simulated walking gait. Journal of Orthopaedic Research, 2015, 33, 1287-1296.	1.2	49
25	Evaluation of a subject-specific musculoskeletal modelling framework for load prediction in total knee arthroplasty. Medical Engineering and Physics, 2016, 38, 708-716.	0.8	49
26	Research progress of ceramic matrix composite parts based on additive manufacturing technology. Virtual and Physical Prototyping, 2019, 14, 333-348.	5.3	48
27	WxNbMoTa Refractory High-Entropy Alloys Fabricated by Laser Cladding Deposition. Materials, 2019, 12, 533.	1.3	47
28	Tracheal suspension by using 3-dimensional printed personalized scaffold in a patient with tracheomalacia. Journal of Thoracic Disease, 2016, 8, 3323-3328.	0.6	46
29	Application of 3D-printed PEEK scapula prosthesis in the treatment of scapular benign fibrous histiocytoma: A case report. Journal of Bone Oncology, 2018, 12, 78-82.	1.0	46
30	Fabrication of bioceramic scaffolds with pre-designed internal architecture by gel casting and indirect stereolithography techniques. Journal of Porous Materials, 2008, 15, 667-671.	1.3	45
31	The effect of interface microstructure on interfacial shear strength for osteochondral scaffolds based on biomimetic design and 3D printing. Materials Science and Engineering C, 2015, 46, 10-15.	3.8	45
32	Controllable interlayer shear strength and crystallinity of PEEK components by laser-assisted material extrusion. Journal of Materials Research, 2018, 33, 1632-1641.	1.2	45
33	Integrative square-grid triboelectric nanogenerator as a vibrational energy harvester and impulsive force sensor. Nano Research, 2018, 11, 1157-1164.	5.8	44
34	Functional gradient structural design of customized diabetic insoles. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 279-287.	1.5	42
35	Development of a Robotic Arm Based Hydrogel Additive Manufacturing System for In-Situ Printing. Applied Sciences (Switzerland), 2017, 7, 73.	1.3	41
36	Experimental Demonstration of a 3D-Printed Arched Metasurface Carpet Cloak. Advanced Optical Materials, 2019, 7, 1900475.	3.6	40

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37	Effects of printing path and material components on mechanical properties of 3D-printed polyether-ether-ketone/hydroxyapatite composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104475.	1.5	38
38	A novel combination of computer-assisted reduction technique and three dimensional printed patient-specific external fixator for treatment of tibial fractures. <i>International Orthopaedics</i> , 2016, 40, 835-841.	0.9	37
39	Numerical simulation of powder flow field on coaxial powder nozzle in laser metal direct manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 853-859.	1.5	36
40	Embedded bioprinting for designer 3D tissue constructs with complex structural organization. <i>Acta Biomaterialia</i> , 2022, 140, 1-22.	4.1	35
41	Research on the forming process of three-dimensional metal parts fabricated by laser direct metal forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 57, 841-847.	1.5	34
42	A novel silk-based artificial ligament and tricalcium phosphate/polyether ether ketone anchor for anterior cruciate ligament reconstruction " Safety and efficacy in a porcine model. <i>Acta Biomaterialia</i> , 2014, 10, 3696-3704.	4.1	34
43	Multi-directional cellular alignment in 3D guided by electrohydrodynamically-printed microlattices. <i>Acta Biomaterialia</i> , 2020, 101, 141-151.	4.1	34
44	Mechanical Properties and Gamma-Ray Shielding Performance of 3D-Printed Poly-Ether-Ether-Ketone/Tungsten Composites. <i>Materials</i> , 2020, 13, 4475.	1.3	34
45	Rapid casting of turbine blades with abnormal film cooling holes using integral ceramic casting molds. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 50, 13-19.	1.5	33
46	Comparative experimental investigation on the actuation mechanisms of ionic polymer"metal composites with different backbones and water contents. <i>Journal of Applied Physics</i> , 2014, 115, 124903.	1.1	33
47	Electrohydrodynamic printing: a potential tool for high-resolution hydrogel/cell patterning. <i>Virtual and Physical Prototyping</i> , 2016, 11, 57-63.	5.3	33
48	Microscale Electro"Hydrodynamic Cell Printing with High Viability. <i>Small</i> , 2017, 13, 1702626.	5.2	33
49	Analysis of ceramic shell cracking in stereolithography-based rapid casting of turbine blade. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 55, 447-455.	1.5	32
50	Microscale electrohydrodynamic printing of conductive silver features based on <i>in situ</i> reactive inks. <i>Journal of Materials Chemistry C</i> , 2018, 6, 213-218.	2.7	32
51	Voltage-induced pinnacle response in the dynamics of dielectric elastomers. <i>Physical Review E</i> , 2016, 93, 052506.	0.8	31
52	Bionic design and verification of 3D printed PEEK costal cartilage prosthesis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103561.	1.5	31
53	Granger causal time-dependent source connectivity in the somatosensory network. <i>Scientific Reports</i> , 2015, 5, 10399.	1.6	28
54	Pilot Study of the Biological Properties and Vascularization of 3D Printed Bilayer Skin Grafts. <i>International Journal of Bioprinting</i> , 2019, 6, 246.	1.7	28

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55	Numerical simulation of thermal behavior during laser direct metal deposition. International Journal of Advanced Manufacturing Technology, 2011, 55, 945-954.	1.5	27
56	Method to Control Dynamic Snap-Through Instability of Dielectric Elastomers. Physical Review Applied, 2016, 6, .	1.5	27
57	Prediction of hip joint load and translation using musculoskeletal modelling with force-dependent kinematics and experimental validation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 477-490.	1.0	26
58	Development of finite element model for customized prostheses design for patient with pelvic bone tumor. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 525-533.	1.0	26
59	Electrohydrodynamic printing of sub-microscale fibrous architectures with improved cell adhesion capacity. Virtual and Physical Prototyping, 2020, 15, 62-74.	5.3	26
60	Directed differentiation of BMSCs on structural/compositional gradient nanofibrous scaffolds for ligament-bone osteointegration. Materials Science and Engineering C, 2020, 110, 110711.	3.8	26
61	Recent progress in engineering functional biohybrid robots actuated by living cells. Acta Biomaterialia, 2021, 121, 29-40.	4.1	26
62	Characterization of Leaf-Inspired Microfluidic Chips for Pumpless Fluid Transport. Journal of Bionic Engineering, 2014, 11, 109-114.	2.7	25
63	Design and fabrication of biomimetic multiphased scaffolds for ligament-to-bone fixation. Materials Science and Engineering C, 2015, 50, 12-18.	3.8	25
64	Broadband flattened Luneburg lens with ultra-wide angle based on a liquid medium. Applied Physics Letters, 2013, 102, .	1.5	24
65	Study on the microstructure of human articular cartilage/bone interface. Journal of Bionic Engineering, 2011, 8, 251-262.	2.7	23
66	Additive Manufacturing of Biomedical Constructs with Biomimetic Structural Organizations. Materials, 2016, 9, 909.	1.3	23
67	Biomechanical Optimization of Elastic Modulus Distribution in Porous Femoral Stem for Artificial Hip Joints. Journal of Bionic Engineering, 2018, 15, 693-702.	2.7	23
68	Design and optimization of the fixing plate for customized mandible implants. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1296-1302.	0.7	22
69	Morphological characteristics of cartilage-bone transitional structures in the human knee joint and CAD design of an osteochondral scaffold. BioMedical Engineering OnLine, 2016, 15, 82.	1.3	22
70	Neutron Shielding Performance of 3D-Printed Boron Carbide PEEK Composites. Materials, 2020, 13, 2314.	1.3	22
71	Contact mechanics studies of an ellipsoidal contact bearing surface of metal-on-metal hip prostheses under micro-lateralization. Medical Engineering and Physics, 2014, 36, 419-424.	0.8	21
72	Nonlinear Dynamical Model of a Soft Viscoelastic Dielectric Elastomer. Physical Review Applied, 2017, 8, .	1.5	21

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73	A novel method for improving surface finish of stereolithography apparatus. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 1537-1544.	1.5	21
74	Melt-based, solvent-free additive manufacturing of biodegradable polymeric scaffolds with designer microstructures for tailored mechanical/biological properties and clinical applications. <i>Virtual and Physical Prototyping</i> , 2020, 15, 417-444.	5.3	21
75	Design and Evaluation of Fully Configured Models Built by Additive Manufacturing. <i>AIAA Journal</i> , 2014, 52, 1441-1451.	1.5	20
76	Tunable actuation behavior of ionic polymer metal composite utilizing carboxylated carbon nanotube-doped Nafion matrix. <i>RSC Advances</i> , 2018, 8, 3090-3094.	1.7	20
77	Indirect fabrication of microstructured chitosan-gelatin scaffolds using rapid prototyping. <i>Virtual and Physical Prototyping</i> , 2008, 3, 159-166.	5.3	19
78	A 3D Carpet Cloak with Non-Euclidean Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 2000827.	3.6	19
79	Multicomponent bioprinting of heterogeneous hydrogel constructs based on microfluidic printheads. <i>International Journal of Bioprinting</i> , 2019, 5, 202.	1.7	19
80	Study on the fabrication accuracy of ceramic parts by direct stereolithography. <i>Virtual and Physical Prototyping</i> , 2012, 7, 195-202.	5.3	18
81	Effects of compaction and UV exposure on performance of acrylate/glass fiber composites cured layer by layer. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3799-3805.	1.3	18
82	Coaxial nozzle-assisted electrohydrodynamic printing for microscale 3D cell-laden constructs. <i>International Journal of Bioprinting</i> , 2018, 4, 127.	1.7	18
83	Expanding Melt-Based Electrohydrodynamic Printing of Highly-Ordered Microfibrous Architectures to Cm-Height Via In Situ Charge Neutralization. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	18
84	Rapid manufacture of net-shape SiC components. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 579-587.	1.5	17
85	Broadband gradient refractive index planar lens based on a compound liquid medium. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	17
86	Modular Design for Acoustic Metamaterials: Low-Frequency Noise Attenuation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
87	Investigation of curing characteristics of carbon fiber/epoxy composites cured with low-energy electron beam. <i>Polymer Composites</i> , 2015, 36, 1731-1737.	2.3	16
88	Effect of curvature radius on the residual stress of thin-walled parts in laser direct forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 81-88.	1.5	16
89	In vivo evaluation of additively manufactured multi-layered scaffold for the repair of large osteochondral defects. <i>Bio-Design and Manufacturing</i> , 2022, 5, 481-496.	3.9	16
90	Finite Element Analysis of the Pelvis after Customized Prosthesis Reconstruction. <i>Journal of Bionic Engineering</i> , 2018, 15, 443-451.	2.7	15

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91	Three-dimensional liquid flattened Luneburg lens with ultra-wide viewing angle and frequency band. <i>Applied Physics Letters</i> , 2013, 103, 084102.	1.5	14
92	A Method of Accurate Bone Tunnel Placement for Anterior Cruciate Ligament Reconstruction Based on 3-Dimensional Printing Technology: A Cadaveric Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 546-556.	1.3	14
93	Biomechanical characterization of vertebral body replacement in situ: Effects of different fixation strategies. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 197, 105741.	2.6	14
94	Topological design and biomechanical evaluation for 3D printed multi-segment artificial vertebral implants. <i>Materials Science and Engineering C</i> , 2021, 127, 112250.	3.8	14
95	Analysis of wall boundary in moving particle semi-implicit method and a novel model of fluid-wall interaction. <i>International Journal of Computational Fluid Dynamics</i> , 2015, 29, 199-214.	0.5	13
96	Treatment with curcumin alleviates sublesional bone loss following spinal cord injury in rats. <i>European Journal of Pharmacology</i> , 2015, 765, 209-216.	1.7	13
97	Load application for the contact mechanics analysis and wear prediction of total knee replacement. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2017, 231, 444-454.	1.0	13
98	Modeling nonlinear dynamic properties of dielectric elastomers with various crosslinks, entanglements, and finite deformations. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	13
99	Pinnacle elimination and stability analyses in nonlinear oscillation of soft dielectric elastomer slide actuators. <i>Nonlinear Dynamics</i> , 2018, 94, 1907-1920.	2.7	13
100	A high-efficient tunable liquid metal-based electromagnetic absorbing metamaterial. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19242-19247.	1.1	13
101	Coaxial Electrohydrodynamic Bioprinting of Pre-vascularized Cell-laden Constructs for Tissue Engineering. <i>International Journal of Bioprinting</i> , 2021, 7, 362.	1.7	13
102	Emodin Impairs Radioresistance of Human Osteosarcoma Cells by Suppressing Sonic Hedgehog Signaling. <i>Medical Science Monitor</i> , 2017, 23, 5767-5773.	0.5	13
103	Patient-Specific Design and Biomechanical Evaluation of a Novel Bipolar Femoral Hemi-Knee Prosthesis. <i>Journal of Bionic Engineering</i> , 2014, 11, 259-267.	2.7	12
104	A neural network approach for determining gait modifications to reduce the contact force in knee joint implant. <i>Medical Engineering and Physics</i> , 2014, 36, 1253-1265.	0.8	12
105	Prediction of Cervical Spinal Joint Loading and Secondary Motion Using a Musculoskeletal Multibody Dynamics Model Via Force-Dependent Kinematics Approach. <i>Spine</i> , 2017, 42, E1403-E1409.	1.0	12
106	Design of a continuous fiber trajectory for 4D printing of thermally stimulated composite structures. <i>Science China Technological Sciences</i> , 2020, 63, 571-577.	2.0	12
107	Effects of Raster Angle and Material Components on Mechanical Properties of Polyether-Ether-Ketone/Calcium Silicate Scaffolds. <i>Polymers</i> , 2021, 13, 2547.	2.0	12
108	Activation of Sonic Hedgehog Signaling Is Associated with Human Osteosarcoma Cells Radioresistance Characterized by Increased Proliferation, Migration, and Invasion. <i>Medical Science Monitor</i> , 2018, 24, 3764-3771.	0.5	12

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109	Digital light processing 3D printing of surface-oxidized Si ₃ N ₄ coated by silane coupling agent. Journal of Asian Ceramic Societies, 2022, 10, 69-82.	1.0	12
110	Effects of bionic mechanical stimulation on the properties of engineered cartilage tissue. Bio-Design and Manufacturing, 2021, 4, 33-43.	3.9	11
111	Preparation, Mechanical and Biological Properties of Inkjet Printed Alginate/Gelatin Hydrogel. Journal of Bionic Engineering, 2021, 18, 574-583.	2.7	11
112	3D Bioprinted Skin Substitutes for Accelerated Wound Healing and Reduced Scar. Journal of Bionic Engineering, 2021, 18, 900-914.	2.7	11
113	Scan pattern, stress and mechanical strength of laser directly sintered ceramics. International Journal of Advanced Manufacturing Technology, 2013, 64, 239-246.	1.5	10
114	Investigation into factors affecting the mechanical behaviours of a patient-specific vertebral body replacement. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 378-387.	1.0	10
115	Ultra-Broadband Acoustic Diode in Open Bend Tunnel by Negative Reflective Metasurface. Scientific Reports, 2018, 8, 16089.	1.6	10
116	A Single-Chamber Pneumatic Soft Bending Actuator With Increased Stroke-Range by Local Electric Guidance. IEEE Transactions on Industrial Electronics, 2021, 68, 8455-8463.	5.2	10
117	Formation Mechanism of Cracks During the Freeze Drying of Gelcast Ceramic Parts. Journal of the American Ceramic Society, 2015, 98, 3338-3345.	1.9	9
118	A study of cryogenic tissue-engineered liver slices in calcium alginate gel for drug testing. Cryobiology, 2018, 82, 1-7.	0.3	9
119	Gelatin-based perfusable, endothelial carotid artery model for the study of atherosclerosis. BioMedical Engineering OnLine, 2019, 18, 87.	1.3	9
120	Effects of astrocyte on neuronal outgrowth in a layered 3D structure. BioMedical Engineering OnLine, 2019, 18, 74.	1.3	9
121	A 3D-printed adaptive cloaking "illusion-integrated metasurface. Journal of Materials Chemistry C, 2020, 8, 16018-16023.	2.7	9
122	Biomechanical evaluation of a customized 3D-printed polyetheretherketone condylar prosthesis. Experimental and Therapeutic Medicine, 2021, 21, 348.	0.8	9
123	Interfacial Transcrystallization and Mechanical Performance of 3D-Printed Fully Recyclable Continuous Fiber Self-Reinforced Composites. Polymers, 2021, 13, 3176.	2.0	9
124	In vitro model of the glial scar. International Journal of Bioprinting, 2019, 5, 235.	1.7	9
125	Biomaterial scaffolds with biomimetic fluidic channels for hepatocyte culture. Journal of Bionic Engineering, 2013, 10, 57-64.	2.7	8
126	Effects of quasi-3D stacking architecture on interlaminar shear strength and void content of FRP. Journal of Applied Polymer Science, 2014, 131, .	1.3	8

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127	Rapid Fabrication of High-Performance CaO-Based Integral Ceramic Mould by Stereolithography and Non-Aqueous Gelcasting. <i>Materials</i> , 2019, 12, 934.	1.3	8
128	Tailoring the Mechanical Properties of Laser Cladding-Deposited Ferrous Alloys with a Mixture of 410L Alloy and Fe-Cr-B-Si-Mo Alloy Powders. <i>Materials</i> , 2019, 12, 410.	1.3	8
129	Preclinical Strength Checking for Artificial Pelvic Prosthesis under Multi-activities - A Case Study. <i>Journal of Bionic Engineering</i> , 2019, 16, 1092-1102.	2.7	8
130	Can the sheep model fully represent the human model for the functional evaluation of cervical interbody fusion cages?. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 607-616.	1.4	8
131	Design and printing of embedded conductive patterns in liquid crystal elastomer for programmable electrothermal actuation. <i>Virtual and Physical Prototyping</i> , 2022, 17, 881-893.	5.3	8
132	Influence of powder flow on sidewall quality of solid parts in laser metal direct forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 2703-2711.	1.5	7
133	Additive manufacturing and large deformation responses of highly-porous polycaprolactone scaffolds with helical architectures for breast tissue engineering. <i>Virtual and Physical Prototyping</i> , 2021, 16, 291-305.	5.3	7
134	Quantitative assessment of cerebral connectivity deficiency and cognitive impairment in children with prenatal alcohol exposure. <i>Chaos</i> , 2019, 29, 041101.	1.0	6
135	Integral numerical modeling of the deposition profile of a cold spraying process as an additive manufacturing technology. <i>Progress in Additive Manufacturing</i> , 2019, 4, 357-370.	2.5	6
136	Effect of point defects on band-gap properties in diamond structure photonic crystals. <i>Journal of Applied Physics</i> , 2012, 111, 023515.	1.1	5
137	Tunable three-dimensional diamond photonic crystal made of a liquid medium. <i>Applied Physics Letters</i> , 2013, 102, 154102.	1.5	5
138	Effect of Chopped ZrO ₂ Fiber Content on the Microstructure and Properties of CaO-Based Integral Ceramic Mold. <i>Materials</i> , 2020, 13, 5398.	1.3	5
139	Electro-pneumatic dielectric elastomer actuator incorporating tunable bending stiffness. <i>Physical Review Research</i> , 2020, 2, .	1.3	5
140	Controllable Bandgap Properties Induced by the Air Sphere Radius Variation in Diamond-Structured Ceramic Photonic Crystals. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4134-4137.	1.9	4
141	The influence of metallic shell deformation on the contact mechanics of a ceramic-on-ceramic total hip arthroplasty. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 4-12.	1.0	4
142	Numerical Modeling Design for the Hybrid Additive Manufacturing of Laser Directed Energy Deposition and Shot Peening Forming Fe-Cr-Ni-B-Si Alloy. <i>Materials</i> , 2020, 13, 4877.	1.3	4
143	Facile Amidogen Bio-Activation Method Can Boost the Soft Tissue Integration on 3D Printed Poly-Ether-Ether-Ketone Interface. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100547.	1.9	4
144	Microstructure and Mechanical Properties of B-Bearing Austenitic Stainless Steel Fabricated by Laser Metal Deposition In-Situ Alloying. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 453.	1.5	4

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145	Effect of Nano-Si ₃ N ₄ Reinforcement on the Microstructure and Mechanical Properties of Laser-Powder-Bed-Fused AlSi10Mg Composites. <i>Crystals</i> , 2022, 12, 366.	1.0	4
146	Fabrication of three-dimensional electromagnetic band-gap structure with high-K dielectric ceramics by rapid-prototyping. <i>Journal of Electroceramics</i> , 2010, 25, 218-222.	0.8	3
147	Fabrication of diamond-structured multic ceramic coupling photonic crystal and its ultra-wide bandgap properties. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 2569-2572.	0.9	3
148	Band gap widening by photonic crystal heterostructures composed of two dimensional holes and diamond structure. <i>Journal of Applied Physics</i> , 2013, 113, 213701.	1.1	3
149	Creep Control of Bends Cores of Integral Ceramic Molds During Presintering. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3380-3383.	1.9	3
150	Effect of Solvent Diffusion on Reactive Chromotropic Polyelectrolyte Gel. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1640008.	1.3	3
151	Microstructures and high-temperature strength of gel-casting Al ₂ O ₃ -based ceramic molds with coated aluminum additive. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 845-854.	1.5	3
152	Functional testing on engineered cartilage to identify the role played by shearing. <i>Medical Engineering and Physics</i> , 2018, 51, 17-23.	0.8	3
153	High Performance NbMoTa-Al ₂ O ₃ Multilayer Composite Structure Manufacturing by Laser Directed Energy Deposition. <i>Materials</i> , 2021, 14, 1685.	1.3	3
154	Deciphering Fluid Transport Within Leaf-Inspired Capillary Networks Based on a 3D Computational Model. <i>Small</i> , 2022, 18, e2108102.	5.2	3
155	Diamond-Structured Photonic Crystals with Graded Air Spheres Radii. <i>Materials</i> , 2012, 5, 851-856.	1.3	2
156	Manufacturing process for patterned IPMC actuator with millimeter thickness. , 2013, , .		2
157	Muscle activity prediction using wavelet neural network. , 2013, , .		2
158	FINITE ELEMENT ANALYSIS OF TOTAL KNEE REPLACEMENT WITH VARIOUS MISALIGNMENT ANGLES IN THE SAGITTAL PLANE. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650096.	0.3	2
159	Influence of the field humidity environment on the mechanical properties of 316L stainless steel repaired with Fe314. <i>Frontiers of Mechanical Engineering</i> , 2018, 13, 513-519.	2.5	2
160	Research center of biomanufacturing in Xi'an Jiaotong University. <i>Bio-Design and Manufacturing</i> , 2018, 1, 280-288.	3.9	2
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