

Deqing Mei

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

43 papers	945 citations	15 h-index	30 g-index
45 ext. papers	1,319 ext. citations	6 avg, IF	4.73 L-index

#	Paper	IF	Citations
43	3D printing of functional biomaterials for tissue engineering. <i>Current Opinion in Biotechnology</i> , 2016 , 40, 103-112	11.4	382
42	Flexible Capacitive Tactile Sensor Array With Truncated Pyramids as Dielectric Layer for Three-Axis Force Measurement. <i>Journal of Microelectromechanical Systems</i> , 2015 , 24, 1510-1519	2.5	90
41	Nanoscale 3D printing of hydrogels for cellular tissue engineering. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2187-2197	7.3	54
40	Flexible tactile sensor array for distributed tactile sensing and slip detection in robotic hand grasping. <i>Sensors and Actuators A: Physical</i> , 2019 , 297, 111512	3.9	30
39	Highly Sensitive and Flexible Tactile Sensor Based on Porous Graphene Sponges for Distributed Tactile Sensing in Monitoring Human Motions. <i>Journal of Microelectromechanical Systems</i> , 2019 , 28, 154-163	2.5	30
38	Wearable Thermoelectric Generator With Copper Foam as the Heat Sink for Body Heat Harvesting. <i>IEEE Access</i> , 2018 , 6, 43602-43611	3.5	29
37	Parameter optimization of time-varying stiffness method for chatter suppression based on magnetorheological fluid-controlled boring bar. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 46, 1071-1083	3.2	29
36	Solution-Processed All-Ceramic Plasmonic Metamaterials for Efficient Solar-Thermal Conversion over 100-727°C. <i>Advanced Materials</i> , 2021 , 33, e2005074	24	26
35	A highly flexible tactile sensor with an interlocked truncated sawtooth structure based on stretchable graphene/silver/silicone rubber composites. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8669-8679	7.1	24
34	Fully Elastomeric Fingerprint-Shaped Electronic Skin Based on Tunable Patterned Graphene/Silver Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31725-31737	9.5	23
33	Liquid Metal-Based Wearable Tactile Sensor for Both Temperature and Contact Force Sensing. <i>IEEE Sensors Journal</i> , 2021 , 21, 1694-1703	4	22
32	Digital Light Processing-Based 3D Printing of Cell-Seeding Hydrogel Scaffolds with Regionally Varied Stiffness. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 4825-4833	5.5	21
31	Acoustic Softening and Hardening of Aluminum in High-Frequency Vibration-Assisted Micro/Meso Forming. <i>Materials and Manufacturing Processes</i> , 2013 , 28, 584-588	4.1	19
30	Modulating physical, chemical, and biological properties in 3D printing for tissue engineering applications. <i>Applied Physics Reviews</i> , 2018 , 5,	17.3	17
29	2D Ti C T MXenes: Visible Black but Infrared White Materials. <i>Advanced Materials</i> , 2021 , 33, e2103054	24	16
28	Numerical modeling of the performance of thermoelectric module with polydimethylsiloxane encapsulation. <i>International Journal of Energy Research</i> , 2018 , 42, 1287-1297	4.5	14
27	Flow Manifold Optimization for a Uniform Velocity Distribution in a Laminated Microreactor with Micro-Pin-Fin Arrays. <i>Chemical Engineering and Technology</i> , 2014 , 37, 1112-1120	2	12

26	Experimental Study of High-Frequency Vibration Assisted Micro/Mesoscale Forming of Metallic Materials. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2011 , 133,	3.3	12
25	Microstructure and thermoelectric properties of porous Bi ₂ Te _{2.85} Se _{0.15} bulk materials fabricated by semisolid powder processing. <i>Journal of Materials Research</i> , 2015 , 30, 2585-2592	2.5	11
24	Development of Fully Flexible Tactile Pressure Sensor with Bilayer Interlaced Bumps for Robotic Grasping Applications. <i>Micromachines</i> , 2020 , 11,	3.3	9
23	Flexible Tactile Sensor Array for Slippage and Grooved Surface Recognition in Sliding Movement. <i>Micromachines</i> , 2019 , 10,	3.3	7
22	Highly sensitive and flexible tactile sensor with truncated pyramid-shaped porous graphene/silicone rubber composites for human motion detection. <i>Composites Science and Technology</i> , 2022 , 217, 109078	8.6	7
21	A flexible capacitive tactile sensor array with high scanning speed for distributed contact force measurements 2016 ,		6
20	Development of flexible tactile sensor for the envelop of curved robotic hand finger in grasping force sensing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 180, 109524	4.6	6
19	Standing surface acoustic wave-assisted fabrication of patterned microstructures for enhancing cell migration. <i>Bio-Design and Manufacturing</i> , 2020 , 3, 87-97	4.7	5
18	A Flexible Tactile Sensor with Dual-Interlocked Structure for Broad Range Force Sensing and Gaming Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	5
17	A methanol fuel processing system with methanol steam reforming and CO selective methanation modules for PEMFC application. <i>International Journal of Energy Research</i> , 2021 , 45, 6163-6173	4.5	5
16	Relative position control and coalescence of independent microparticles using ultrasonic waves. <i>Journal of Applied Physics</i> , 2017 , 121, 184503	2.5	4
15	Scalable Printing of Bionic Multiscale Channel Networks Through Digital Light Processing-Based Three-Dimensional Printing Process. <i>3D Printing and Additive Manufacturing</i> , 2020 , 7, 115-125	4	4
14	Programmable motion control and trajectory manipulation of microparticles through tri-directional symmetrical acoustic tweezers.. <i>Lab on A Chip</i> , 2022 ,	7.2	4
13	Development of Wearable Tactile Sensor Based on Galinstan Liquid Metal for Both Temperature and Contact Force Sensing 2020 ,		3
12	Contactless and non-invasive delivery of micro-particles lying on a non-customized rigid surface by using acoustic radiation force. <i>Ultrasonics</i> , 2014 , 54, 1350-7	3.5	3
11	Slip detection in prosthetic hand grasping by using the discrete wavelet transform analysis 2016 ,		3
10	Flexible Tactile Sensor Array Mounted on the Curved Surface: Analytical Modeling and Experimental Validation. <i>Journal of Microelectromechanical Systems</i> , 2017 , 26, 1002-1011	2.5	2
9	A T-Type Capacitive Sensor Capable of Measuring 5-DOF Error Motions of Precision Spindles. <i>Sensors</i> , 2017 , 17,	3.8	2

8	Bioinspired Suprahelical Frameworks as Scaffolds for Artificial Photosynthesis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45192-45201	9.5	2
7	3D Printing of Liquid Metal Based Tactile Sensor for Simultaneously Sensing of Temperature and Forces. <i>International Journal of Smart and Nano Materials</i> ,1-17	3.6	2
6	Large-Area Hand-Covering Elastomeric Electronic Skin Sensor with Distributed Multifunctional Sensing Capability. <i>Advanced Intelligent Systems</i> ,2100118	6	2
5	Sound field separating on arbitrary surfaces enclosing a sound scatterer based on combined integral equations. <i>Ultrasonics</i> , 2014 , 54, 2169-77	3.5	1
4	Five-plane lancet needle design for soft PVC phantom tissue cutting. <i>Bio-Design and Manufacturing</i> , 2018 , 1, 195-202	4.7	1
3	EDTA-mimicking amino acid-metal ion coordination for multifunctional packings. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20385-20394	13	1
2	Acoustofluidic waveguides for fabrication of localized polymeric microstructure arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	0
1	Modulating vectored non-covalent interactions for layered assembly with engineerable properties. <i>Bio-Design and Manufacturing</i> ,1	4.7	0