

# Weijia Wen

## List of Publications by Citations

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151  
papers

5,260  
citations

36  
h-index

69  
g-index

168  
ext. papers

6,295  
ext. citations

5  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
151	Dark acoustic metamaterials as super absorbers for low-frequency sound. <i>Nature Communications</i> , <b>2012</b> , 3, 756	17.4	634
150	The giant electrorheological effect in suspensions of nanoparticles. <i>Nature Materials</i> , <b>2003</b> , 2, 727-30	27	462
149	Organ-on-a-chip: recent breakthroughs and future prospects. <i>BioMedical Engineering OnLine</i> , <b>2020</b> , 19, 9	4.1	204
148	Electrorheological fluids: structures and mechanisms. <i>Soft Matter</i> , <b>2008</b> , 4, 200-210	3.6	183
147	Direct observation of valley-polarized topological edge states in designer surface plasmon crystals. <i>Nature Communications</i> , <b>2017</b> , 8, 1304	17.4	172
146	Electrorheological Fluids: Mechanisms, Dynamics, and Microfluidics Applications. <i>Annual Review of Fluid Mechanics</i> , <b>2012</b> , 44, 143-174	22	148
145	Energy Level Alignment at Interfaces in Metal Halide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800260	4.6	147
144	A simple method for fabricating multi-layer PDMS structures for 3D microfluidic chips. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1199-203	7.2	143
143	Tuning Fabry-Perot resonances via diffraction evanescent waves. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	132
142	Electromagnetic-Wave Tunneling Through Negative-Permittivity Media with High Magnetic Fields. <i>Physical Review Letters</i> , <b>2005</b> , 94,	7.4	127
141	Frequency Dependent Electrorheological Properties: Origin and Bounds. <i>Physical Review Letters</i> , <b>1996</b> , 77, 2499-2502	7.4	116
140	Nanofiber membrane supported lung-on-a-chip microdevice for anti-cancer drug testing. <i>Lab on A Chip</i> , <b>2018</b> , 18, 486-495	7.2	110
139	Particle size scaling of the giant electrorheological effect. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 299-301	3.4	106
138	Subwavelength photonic band gaps from planar fractals. <i>Physical Review Letters</i> , <b>2002</b> , 89, 223901	7.4	99
137	Effective dynamic mass density of composites. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	73
136	Extraction, amplification and detection of DNA in microfluidic chip-based assays. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1611-1631	5.8	69
135	Low-frequency tunable acoustic absorber based on split tube resonators. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 043501	3.4	69

134	Generation and manipulation of smart droplets. <i>Soft Matter</i> , <b>2009</b> , 5, 576-581	3.6	67
133	Dielectric electrorheological fluids: Theory and experiment. <i>Advances in Physics</i> , <b>2003</b> , 52, 343-383	18.4	65
132	Design and fabrication of magnetically functionalized flexible micropillar arrays for rapid and controllable microfluidic mixing. <i>Lab on A Chip</i> , <b>2015</b> , 15, 2125-32	7.2	63
131	Point-of-care testing detection methods for COVID-19. <i>Lab on A Chip</i> , <b>2021</b> , 21, 1634-1660	7.2	59
130	Design and fabrication of microfluidic mixer from carbonyl iron/PDMS composite membrane. <i>Microfluidics and Nanofluidics</i> , <b>2011</b> , 10, 919-925	2.8	56
129	High-efficiency ventilated metamaterial absorber at low frequency. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 103505	3.4	53
128	Plasmon-driven surface catalysis in hybridized plasmonic gap modes. <i>Scientific Reports</i> , <b>2014</b> , 4, 7087	4.9	47
127	Acoustic wave transmission through a bullseye structure. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 124106	3.4	47
126	Experimental determination for resonance-induced transmission of acoustic waves through subwavelength hole arrays. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 014909	2.5	41
125	Preparation and optical characterization of Au/SiO <sub>2</sub> composite films with multilayer structure. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 4485-4488	2.5	41
124	Influence of liquid phase on nanoparticle-based giant electrorheological fluid. <i>Nanotechnology</i> , <b>2008</b> , 19, 165602	3.4	40
123	Breakup of dipolar rings under a perpendicular magnetic field. <i>Physical Review E</i> , <b>2001</b> , 64, 061503	2.4	40
122	A simple and cost-effective method for fabrication of integrated electronic-microfluidic devices using a laser-patterned PDMS layer. <i>Microfluidics and Nanofluidics</i> , <b>2012</b> , 12, 751-760	2.8	39
121	A novel method to construct 3D electrodes at the sidewall of microfluidic channel. <i>Microfluidics and Nanofluidics</i> , <b>2013</b> , 14, 499-508	2.8	38
120	Hybrid approach to high-frequency microfluidic mixing. <i>Physical Review Letters</i> , <b>2006</b> , 97, 044501	7.4	38
119	Giant electrorheological effect: a microscopic mechanism. <i>Physical Review Letters</i> , <b>2010</b> , 105, 046001	7.4	37
118	Microdroplet-based universal logic gates by electrorheological fluid. <i>Soft Matter</i> , <b>2011</b> , 7, 7493	3.6	37
117	Highly directional acoustic wave radiation based on asymmetrical two-dimensional phononic crystal resonant cavity. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 263505	3.4	37

116	Electrorheological fluid-actuated microfluidic pump. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 083505	3.4	36
115	Facile Preparation of Hybrid Structure Based on Mesodome and Micropillar Arrays as Flexible Electronic Skin with Tunable Sensitivity and Detection Range. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28060-28071	9.5	35
114	Improved concentration and separation of particles in a 3D dielectrophoretic chip integrating focusing, aligning and trapping. <i>Microfluidics and Nanofluidics</i> , <b>2013</b> , 14, 527-539	2.8	35
113	Fano effect of metamaterial resonance in terahertz extraordinary transmission. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 011911	3.4	35
112	Multiband subwavelength magnetic reflectors based on fractals. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3257-3259	3.5	35
111	Reflectivity of planar metallic fractal patterns. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1012-1014	3.4	35
110	Experimental demonstration of directional acoustic radiation based on two-dimensional phononic crystal band edge states. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 083509	3.4	32
109	Electrorheological-fluid-based microvalves. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 243501	3.4	32
108	Applications of micro/nanoparticles in microfluidic sensors: a review. <i>Sensors</i> , <b>2014</b> , 14, 6952-64	3.8	31
107	Two-dimensional photonic crystal at THz frequencies constructed by metal-coated cylinders. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 9401-9403	2.5	31
106	Ultra-open ventilated metamaterial absorbers for sound-silencing applications in environment with free air flows. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 39, 100786	3.9	29
105	Synergistic Optimization toward the Sensitivity and Linearity of Flexible Pressure Sensor via Double Conductive Layer and Porous Microdome Array. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31021-31035	9.5	29
104	Smart electroresponsive droplets in microfluidics. <i>Soft Matter</i> , <b>2012</b> , 8, 11589	3.6	28
103	High-throughput particle manipulation by hydrodynamic, electrokinetic, and dielectrophoretic effects in an integrated microfluidic chip. <i>Biomicrofluidics</i> , <b>2013</b> , 7, 24106	3.2	28
102	Su-Schrieffer-Heeger model inspired acoustic interface states and edge states. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 203501	3.4	28
101	Infrared passbands from fractal slit patterns on a metal plate. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2106-2108	3.4	27
100	Wettability of urea-doped TiO <sub>2</sub> nanoparticles and their high electrorheological effects. <i>Journal of Sol-Gel Science and Technology</i> , <b>2008</b> , 47, 311-315	2.3	26
99	Rapid, one-step preparation of SERS substrate in microfluidic channel for detection of molecules and heavy metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 220, 117113	4.4	25

98	Type-II Dirac Photons at Metasurfaces. <i>Physical Review Letters</i> , <b>2018</b> , 121, 024301	7.4	23
97	Fast detection of genetic information by an optimized PCR in an interchangeable chip. <i>Biomedical Microdevices</i> , <b>2012</b> , 14, 179-86	3.7	23
96	Experimental investigation for field-induced interaction force of two spheres. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1796-1798	3.4	23
95	Magnetic materials-based electrorheological fluids. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 2529-2531	3.4	20
94	Real-time concentration monitoring in microfluidic system via plasmonic nanocrescent arrays. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 385-92	11.8	19
93	Liquid metal-based amalgamation-assisted lithography for fabrication of complex channels with diverse structures and configurations. <i>Lab on A Chip</i> , <b>2018</b> , 18, 785-792	7.2	18
92	Rose-like CuS microflowers and their enhanced visible-light photocatalytic performance. <i>CrystEngComm</i> , <b>2018</b> , 20, 6529-6537	3.3	18
91	High-throughput controllable generation of droplet arrays with low consumption. <i>Applied Surface Science</i> , <b>2018</b> , 442, 189-194	6.7	17
90	Performance tuning of giant electrorheological fluids by interfacial tailoring. <i>Soft Matter</i> , <b>2018</b> , 14, 14273-1433	3.1	17
89	Tilted magnetic micropillars enabled dual-mode sensor for tactile/touchless perceptions. <i>Nano Energy</i> , <b>2020</b> , 78, 105382	17.1	17
88	Frequency-induced structure variation in electrorheological fluids. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3821-3823	3.4	16
87	Differential Collective- and Single-Cell Behaviors on Silicon Micropillar Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23604-13	9.5	15
86	Facile preparation of superhydrophobic PDMS with patternable and controllable water adhesion characteristics. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 11428-11441	4.3	15
85	POLAR MOLECULE TYPE ELECTORRHEOLOGICAL FLUIDS. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4798-4805	1.1	15
84	Generation of tunable and pulsatile concentration gradients via microfluidic network. <i>Microfluidics and Nanofluidics</i> , <b>2015</b> , 18, 175-184	2.8	14
83	Parallel-field electrorheological clutch: Enhanced high shear rate performance. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 104106	3.4	14
82	ZnSe based semiconductor core-shell structures: From preparation to application. <i>Optical Materials</i> , <b>2018</b> , 81, 12-22	3.3	14
81	Influence of carrier liquid on nanoparticle-based giant electrorheological fluid. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 866-871	2.3	13

80	Suppression of coffee-ring effect via periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. <i>Nanoscale</i> , <b>2019</b> , 11, 20534-20545	7.7	13
79	Multi-band metamaterial absorber with arbitrary polarization and wide-incident angle. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	13
78	Size-Controlled Patterning of Single-Crystalline Perovskite Arrays toward a Tunable High-Performance Microlaser. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2662-2670	9.5	13
77	Manually tunable ventilated metamaterial absorbers. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 053504	3.4	13
76	A fully portable microchip real-time polymerase chain reaction for rapid detection of pathogen. <i>Electrophoresis</i> , <b>2019</b> , 40, 1699-1707	3.6	12
75	Capillary flow control in nanochannels via hybrid surface. <i>RSC Advances</i> , <b>2016</b> , 6, 2774-2777	3.7	12
74	Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valley-Hall Phases. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900872	8.1	12
73	Anisotropic dielectric properties of structured electrorheological fluids. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3070-3072	3.4	12
72	Fabrication of PZT microspheres for application in electrorheological fluids. <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 419-421		11
71	Tunable band gap properties of planar metallic fractals. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 3231-3233	2.5	11
70	Critical droplet volume for spontaneous capillary wrapping. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 124103	3.4	10
69	Frequency dependence of a field-induced force between two high dielectric spheres in various fluid media. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 7832	2.5	10
68	Real-Space Mapping of the Two-Dimensional Phase Diagrams in Attractive Colloidal Systems. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	9
67	THE METHODS FOR MEASURING SHEAR STRESS OF POLAR MOLECULE DOMINATED ER FLUIDS. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4813-4818	1.1	9
66	Multiply coated microspheres. A platform for realizing fields-induced structural transition and photonic bandgap. <i>Pure and Applied Chemistry</i> , <b>2000</b> , 72, 309-315	2.1	9
65	Electrorheological fluids using bidispersed particles. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 2783-2786	2.5	9
64	Highly stable and efficient electrorheological suspensions with hydrophobic interaction. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 564, 381-391	9.3	9
63	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , <b>2016</b> , 6, 115115	1.5	9

62	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 075501	7.4	8
61	Three Dimensional and Homogenous Single Cell Cyclic Stretch within a Magnetic Micropillar Array (mMPA) for a Cell Proliferation Study. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 65-72	5.5	8
60	Rapid and flexible actuation of droplets via a low-adhesive and deformable magnetically functionalized membrane. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13253-13263	4.3	8
59	Lateral Size Scaling Effect during Discontinuous Dewetting. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800729	4.2	8
58	Simple and reusable picoinjector for liquid delivery via nanofluidics approach. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 147	5	8
57	Time Circular Birefringence in Time-Dependent Magnetolectric Media. <i>Scientific Reports</i> , <b>2015</b> , 5, 136734	3.9	8
56	Patterning cell using Si-stencil for high-throughput assay. <i>RSC Advances</i> , <b>2011</b> , 1, 746	3.7	8
55	Dynamic enrichment of plasmonic hot-spots and analytes on superhydrophobic and magnetically functionalized platform for surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 319, 128297	8.5	8
54	ZnSe/CdSe core-shell nanoribbon arrays for photocatalytic applications. <i>CrystEngComm</i> , <b>2020</b> , 22, 895-904	4.3	8
53	A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 417-428	10.3	8
52	Control the drying configuration of suspensions via regulating the surface topologies for surface-enhanced Raman scattering optimization. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 502, 67-76	9.3	7
51	Shape-Controlled Synthesis of Pt Nanopeanuts. <i>Scientific Reports</i> , <b>2016</b> , 6, 31404	4.9	7
50	3D Microstructure Inhibits Mesenchymal Stem Cells Homing to the Site of Liver Cancer Cells on a Microchip. <i>Genes</i> , <b>2017</b> , 8,	4.2	7
49	THE MODIFIED ELECTRODES FOR THE APPLICATION OF POLAR MOLECULE DOMINATED ELECTORRHEOLOGICAL (PM-ER) FLUIDS. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4940-4944	1.1	7
48	In situ assembly of a wearable capacitive sensor with a spine-shaped dielectric for shear-pressure monitoring. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15634-15645	7.1	7
47	Unclonable Micro-Texture with Clonable Micro-Shape towards Rapid, Convenient, and Low-Cost Fluorescent Anti-Counterfeiting Labels. <i>Small</i> , <b>2021</b> , 17, e2100244	11	7
46	A stable high-performance isotropic electrorheological elastomer towards controllable and reversible circular motion. <i>Composites Part B: Engineering</i> , <b>2020</b> , 193, 107988	10	7
45	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. <i>Chemical Physics Letters</i> , <b>2015</b> , 639, 47-51	2.5	6

44	Selective modification for polydimethylsiloxane chip by micro-plasma. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 1310-1314	4.3	6
43	Mechanical Contact Characteristics of PC3 Human Prostate Cancer Cells on Complex-Shaped Silicon Micropillars. <i>Materials</i> , <b>2017</b> , 10,	3.5	6
42	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. <i>Scientific Reports</i> , <b>2015</b> , 5, 17223	4.9	6
41	Fabrication and characterisation of patterned magnetorheological elastomers <b>2013</b> ,		6
40	Copper sulfide nanostructures and their sodium storage properties. <i>CrystEngComm</i> , <b>2020</b> , 22, 7082-7089,	3.3	6
39	High-Throughput and Controllable Fabrication of Soft Screen Protectors with Microlens Arrays for Light Enhancement of OLED Displays. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000382	6.8	6
38	Continuous-Flow Separation and Efficient Concentration of Foodborne Bacteria from Large Volume Using Nickel Nanowire Bridge in Microfluidic Chip. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	5
37	Synergistic effect of sunlight induced photothermal conversion and HO release based on hybridized tungsten oxide gel for cancer inhibition. <i>Scientific Reports</i> , <b>2016</b> , 6, 35876	4.9	5
36	Thermal coherence properties of topological insulator slabs in time-reversal symmetry breaking fields. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	5
35	Disentanglement and micropore structure of UHMWPE in an athermal solvent. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 1177-1186	2.3	4
34	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. <i>Plasmonics</i> , <b>2016</b> , 11, 909-915	2.4	4
33	Surface evolution of manganese chloride aqueous droplets resulting in self-suppressed evaporation. <i>Scientific Reports</i> , <b>2015</b> , 5, 13322	4.9	4
32	Manipulation of the polarization of Terahertz wave in subwavelength regime. <i>Scientific Reports</i> , <b>2015</b> , 5, 8306	4.9	4
31	FORMATION OF POLARIZED CONTACT LAYERS AND THE GIANT ELECTORRHEOLOGICAL EFFECT. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4907-4913	1.1	4
30	Frequency-controlled interaction between magnetic microspheres. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 134107	3.4	4
29	A New Few-Shot Learning Method of Digital PCR Image Detection. <i>IEEE Access</i> , <b>2021</b> , 9, 74446-74453	3.5	4
28	A valve-free 2D concentration gradient generator. <i>RSC Advances</i> , <b>2017</b> , 7, 27833-27839	3.7	3
27	An Automated and Miniaturized Rotating-Disk Device for Rapid Nucleic Acid Extraction. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	3



26	An Analog of electrically induced transparency via surface delocalized modes. <i>Scientific Reports</i> , <b>2015</b> , 5, 12251	4.9	3
25	Single-phase electrorheological effect in microgravity. <i>Soft Matter</i> , <b>2011</b> , 7, 7198	3.6	3
24	Lyophilized Ready-to-Use Mix for the Real-Time Polymerase Chain Reaction Diagnosis.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4354-4360	4.1	3
23	The research progress of electrorheological fluids. <i>Chinese Science Bulletin</i> , <b>2017</b> , 62, 2358-2371	2.9	2
22	Near-perfect transmission through thick apertures by inserting connected ring resonators. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	2
21	A Rapid Digital PCR System with a Pressurized Thermal Cycler.. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	2
20	Effect of additives on the growth of HKUST-1 crystals synthesized by microfluidic chips with concentration gradient. <i>Biomicrofluidics</i> , <b>2020</b> , 14, 034110	3.2	1
19	Micro Valve and Chaotic Mixer Driven by Electrorheological Fluid <b>2006</b> ,		1
18	Extraordinary acoustic transmission of a decorated window without ventilation. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 091902	3.4	1
17	Force field nonlinear coupling and force/energy optimization in a field-induced system. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 183501	3.4	1
16	Synergistic Superiority of a Silver-Carbon Black-Filled Conductive Polymer Composite for Temperature Pressure Sensing. <i>Advanced Engineering Materials</i> , <b>2021</b> , 23, 2001392	3.5	1
15	Smart Table Tennis Racket with Tunable Stiffness for Diverse Play Styles and Unconventional Technique Training. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100535	6.8	1
14	Controlling microbial activity on walls by a photocatalytic nanocomposite paint: A field study. <i>American Journal of Infection Control</i> , <b>2021</b> ,	3.8	1
13	Ultra-sensitive wide-range small capacitive pressure sensor based on porous CCTO-PDMS membrane. <i>Sensors and Actuators Reports</i> , <b>2021</b> , 3, 100027	4.7	1
12	A new dynamic deep learning noise elimination method for chip-based real-time PCR.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	1
11	All-Inorganic Perovskite Nanorod Arrays with Spatially Randomly Distributed Lasing Modes for All-Photonic Cryptographic Primitives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 30891-30901	9.5	0
10	The surfactant effect on electrorheological performance and colloidal stability. <i>Soft Matter</i> , <b>2021</b> , 17, 7158-7167	3.6	0
9	Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. <i>Advanced Materials Technologies</i> , 2100668	6.8	0

8	Dual-functional plasmonic substrate with embedded magnetic nanoparticles towards large-scale surface enhanced Raman scattering. <i>Materials Research Express</i> , <b>2019</b> , 6, 0850d3	1.7
7	Simple, low-cost fabrication of semi-circular channel using the surface tension of solder paste and its application to microfluidic valves. <i>Electrophoresis</i> , <b>2018</b> , 39, 1460-1465	3.6
6	Honeycomb Structures: Facile Synthesis of Biomimetic Honeycomb Material with Biological Functionality (Small 4/2013). <i>Small</i> , <b>2013</b> , 9, 644-644	11
5	Microstructured Particles for Electrorheological Applications. <i>ACS Symposium Series</i> , <b>1997</b> , 41-53	0.4
4	ELECTRIC FIELD-INDUCED INTERACTION FORCE BETWEEN TWO SPHERES. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1209-1214	1.1
3	Magnetoactive acoustic metamaterials based on nanoparticle-enhanced diaphragm. <i>Scientific Reports</i> , <b>2021</b> , 11, 22162	4.9
2	Nanofluidic behavior at the interface of sectionalized hydrophobic/hydrophilic patterns in nanochannel. <i>Integrated Ferroelectrics</i> , <b>2018</b> , 188, 57-63	0.8
1	Precisely controlled microdroplet merging by giant-electrorheological-fluid-based microvalve. <i>AIP Advances</i> , <b>2022</b> , 12, 055120	1.5