

Weijia Wen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8992973/weijia-wen-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	A new dynamic deep learning noise elimination method for chip-based real-time PCR.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
150	Precisely controlled microdroplet merging by giant-electrorheological-fluid-based microvalve. <i>AIP Advances</i> , 2022 , 12, 055120	1.5	
149	Magnetoactive acoustic metamaterials based on nanoparticle-enhanced diaphragm. <i>Scientific Reports</i> , 2021 , 11, 22162	4.9	
148	Force field nonlinear coupling and force/energy optimization in a field-induced system. <i>Applied Physics Letters</i> , 2021 , 118, 183501	3.4	1
147	Lyophilized Ready-to-Use Mix for the Real-Time Polymerase Chain Reaction Diagnosis.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4354-4360	4.1	3
146	Unclonable Micro-Texture with Clonable Micro-Shape towards Rapid, Convenient, and Low-Cost Fluorescent Anti-Counterfeiting Labels. <i>Small</i> , 2021 , 17, e2100244	11	7
145	All-Inorganic Perovskite Nanorod Arrays with Spatially Randomly Distributed Lasing Modes for All-Photonic Cryptographic Primitives. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30891-30901	9.5	0
144	Synergistic Superiority of a Silver-Carbon Black-Filled Conductive Polymer Composite for Temperature Pressure Sensing. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001392	3.5	1
143	A New Few-Shot Learning Method of Digital PCR Image Detection. <i>IEEE Access</i> , 2021 , 9, 74446-74453	3.5	4
142	The surfactant effect on electrorheological performance and colloidal stability. <i>Soft Matter</i> , 2021 , 17, 7158-7167	3.6	0
141	Manually tunable ventilated metamaterial absorbers. <i>Applied Physics Letters</i> , 2021 , 118, 053504	3.4	13
140	Smart Table Tennis Racket with Tunable Stiffness for Diverse Play Styles and Unconventional Technique Training. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100535	6.8	1
139	Controlling microbial activity on walls by a photocatalytic nanocomposite paint: A field study. <i>American Journal of Infection Control</i> , 2021 ,	3.8	1
138	Ultra-sensitive wide-range small capacitive pressure sensor based on porous CCTO-PDMS membrane. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100027	4.7	1
137	Point-of-care testing detection methods for COVID-19. <i>Lab on A Chip</i> , 2021 , 21, 1634-1660	7.2	59
136	A Rapid Digital PCR System with a Pressurized Thermal Cycler.. <i>Micromachines</i> , 2021 , 12,	3.3	2
135	Effect of additives on the growth of HKUST-1 crystals synthesized by microfluidic chips with concentration gradient. <i>Biomicrofluidics</i> , 2020 , 14, 034110	3.2	1

134	Ultra-open ventilated metamaterial absorbers for sound-silencing applications in environment with free air flows. <i>Extreme Mechanics Letters</i> , 2020 , 39, 100786	3.9	29
133	Synergistic Optimization toward the Sensitivity and Linearity of Flexible Pressure Sensor via Double Conductive Layer and Porous Microdome Array. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31021-31035	9.5	29
132	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. <i>Physical Review Letters</i> , 2020 , 124, 075501	7.4	8
131	Organ-on-a-chip: recent breakthroughs and future prospects. <i>BioMedical Engineering OnLine</i> , 2020 , 19, 9	4.1	204
130	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> , 2020 , 319, 128297	8.5	8
129	ZnSe/CdSe core-shell nanoribbon arrays for photocatalytic applications. <i>CrystEngComm</i> , 2020 , 22, 895-904	4.3	8
128	Highly stable and efficient electrorheological suspensions with hydrophobic interaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 564, 381-391	9.3	9
127	Size-Controlled Patterning of Single-Crystalline Perovskite Arrays toward a Tunable High-Performance Microlaser. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2662-2670	9.5	13
126	Copper sulfide nanostructures and their sodium storage properties. <i>CrystEngComm</i> , 2020 , 22, 7082-7089	3.3	6
125	High-Throughput and Controllable Fabrication of Soft Screen Protectors with Microlens Arrays for Light Enhancement of OLED Displays. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000382	6.8	6
124	Tilted magnetic micropillars enabled dual-mode sensor for tactile/touchless perceptions. <i>Nano Energy</i> , 2020 , 78, 105382	17.1	17
123	In situ assembly of a wearable capacitive sensor with a spine-shaped dielectric for shear-pressure monitoring. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15634-15645	7.1	7
122	Extraordinary acoustic transmission of a decorated window without ventilation. <i>Applied Physics Letters</i> , 2020 , 117, 091902	3.4	1
121	A stable high-performance isotropic electrorheological elastomer towards controllable and reversible circular motion. <i>Composites Part B: Engineering</i> , 2020 , 193, 107988	10	7
120	Real-Space Mapping of the Two-Dimensional Phase Diagrams in Attractive Colloidal Systems. <i>Physical Review X</i> , 2019 , 9,	9.1	9
119	Continuous-Flow Separation and Efficient Concentration of Foodborne Bacteria from Large Volume Using Nickel Nanowire Bridge in Microfluidic Chip. <i>Micromachines</i> , 2019 , 10,	3.3	5
118	Dual-functional plasmonic substrate with embedded magnetic nanoparticles towards large-scale surface enhanced Raman scattering. <i>Materials Research Express</i> , 2019 , 6, 0850d3	1.7	
117	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> , 2019 , 220, 117113	4.4	25

116	A fully portable microchip real-time polymerase chain reaction for rapid detection of pathogen. <i>Electrophoresis</i> , 2019 , 40, 1699-1707	3.6	12
115	An Automated and Miniaturized Rotating-Disk Device for Rapid Nucleic Acid Extraction. <i>Micromachines</i> , 2019 , 10,	3.3	3
114	Suppression of coffee-ring effect via periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019 , 11, 20534-20545	7.7	13
113	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 & Interfaces</i> , 2019 , 11, 28060-28071	9.5	35
112	Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valley-Hall Phases. <i>Advanced Optical Materials</i> , 2019 , 7, 1900872	8.1	12
111	High-throughput controllable generation of droplet arrays with low consumption. <i>Applied Surface Science</i> , 2018 , 442, 189-194	6.7	17
110	High-efficiency ventilated metamaterial absorber at low frequency. <i>Applied Physics Letters</i> , 2018 , 112, 103505	3.4	53
109	Liquid metal-based amalgamation-assisted lithography for fabrication of complex channels with diverse structures and configurations. <i>Lab on A Chip</i> , 2018 , 18, 785-792	7.2	18
108	Performance tuning of giant electrorheological fluids by interfacial tailoring. <i>Soft Matter</i> , 2018 , 14, 14273-14333	3.1	17
107	Nanofiber membrane supported lung-on-a-chip microdevice for anti-cancer drug testing. <i>Lab on A Chip</i> , 2018 , 18, 486-495	7.2	110
106	Simple, low-cost fabrication of semi-circular channel using the surface tension of solder paste and its application to microfluidic valves. <i>Electrophoresis</i> , 2018 , 39, 1460-1465	3.6	
105	Rapid and flexible actuation of droplets via a low-adhesive and deformable magnetically functionalized membrane. <i>Journal of Materials Science</i> , 2018 , 53, 13253-13263	4.3	8
104	Energy Level Alignment at Interfaces in Metal Halide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800260	4.6	147
103	Lateral Size Scaling Effect during Discontinuous Dewetting. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800729	4.9	8
102	Type-II Dirac Photons at Metasurfaces. <i>Physical Review Letters</i> , 2018 , 121, 024301	7.4	23
101	Su-Schrieffer-Heeger model inspired acoustic interface states and edge states. <i>Applied Physics Letters</i> , 2018 , 113, 203501	3.4	28
100	Rose-like CuS microflowers and their enhanced visible-light photocatalytic performance. <i>CrystEngComm</i> , 2018 , 20, 6529-6537	3.3	18
99	A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. <i>NPG Asia Materials</i> , 2018 , 10, 417-428	10.3	8

98	ZnSe based semiconductor core-shell structures: From preparation to application. <i>Optical Materials</i> , 2018 , 81, 12-22	3.3	14
97	Nanofluidic behavior at the interface of sectionalized hydrophobic/hydrophilic patterns in nanochannel. <i>Integrated Ferroelectrics</i> , 2018 , 188, 57-63	0.8	
96	Near-perfect transmission through thick apertures by inserting connected ring resonators. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	2
95	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> , 2017 , 502, 67-76	9.3	7
94	A valve-free 2D concentration gradient generator. <i>RSC Advances</i> , 2017 , 7, 27833-27839	3.7	3
93	Multi-band metamaterial absorber with arbitrary polarization and wide-incident angle. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	13
92	Facile preparation of superhydrophobic PDMS with patternable and controllable water adhesion characteristics. <i>Journal of Materials Science</i> , 2017 , 52, 11428-11441	4.3	15
91	Direct observation of valley-polarized topological edge states in designer surface plasmon crystals. <i>Nature Communications</i> , 2017 , 8, 1304	17.4	172
90	Mechanical Contact Characteristics of PC3 Human Prostate Cancer Cells on Complex-Shaped Silicon Micropillars. <i>Materials</i> , 2017 , 10,	3.5	6
89	3D Microstructure Inhibits Mesenchymal Stem Cells Homing to the Site of Liver Cancer Cells on a Microchip. <i>Genes</i> , 2017 , 8,	4.2	7
88	The research progress of electrorheological fluids. <i>Chinese Science Bulletin</i> , 2017 , 62, 2358-2371	2.9	2
87	Real-time concentration monitoring in microfluidic system via plasmonic nanocrescent arrays. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 385-92	11.8	19
86	Differential Collective- and Single-Cell Behaviors on Silicon Micropillar Arrays. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23604-13	9.5	15
85	Synergistic effect of sunlight induced photothermal conversion and HO release based on hybridized tungsten oxide gel for cancer inhibition. <i>Scientific Reports</i> , 2016 , 6, 35876	4.9	5
84	Shape-Controlled Synthesis of Pt Nanopeanuts. <i>Scientific Reports</i> , 2016 , 6, 31404	4.9	7
83	Influence of carrier liquid on nanoparticle-based giant electrorheological fluid. <i>Journal of Intelligent Material Systems and Structures</i> , 2016 , 27, 866-871	2.3	13
82	Capillary flow control in nanochannels via hybrid surface. <i>RSC Advances</i> , 2016 , 6, 2774-2777	3.7	12
81	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> , 2016 , 2, 65-72	5.5	8

80	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. <i>Plasmonics</i> , 2016 , 11, 909-915	2.4	4
79	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , 2016 , 6, 115115	1.5	9
78	Low-frequency tunable acoustic absorber based on split tube resonators. <i>Applied Physics Letters</i> , 2016 , 109, 043501	3.4	69
77	Disentanglement and micropore structure of UHMWPE in an athermal solvent. <i>Polymer Engineering and Science</i> , 2015 , 55, 1177-1186	2.3	4
76	An Analog of electrically induced transparency via surface delocalized modes. <i>Scientific Reports</i> , 2015 , 5, 12251	4.9	3
75	Design and fabrication of magnetically functionalized flexible micropillar arrays for rapid and controllable microfluidic mixing. <i>Lab on A Chip</i> , 2015 , 15, 2125-32	7.2	63
74	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. <i>Chemical Physics Letters</i> , 2015 , 639, 47-51	2.5	6
73	Generation of tunable and pulsatile concentration gradients via microfluidic network. <i>Microfluidics and Nanofluidics</i> , 2015 , 18, 175-184	2.8	14
72	Time Circular Birefringence in Time-Dependent Magnetolectric Media. <i>Scientific Reports</i> , 2015 , 5, 13673	4.9	8
71	Surface evolution of manganese chloride aqueous droplets resulting in self-suppressed evaporation. <i>Scientific Reports</i> , 2015 , 5, 13322	4.9	4
70	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. <i>Scientific Reports</i> , 2015 , 5, 17223	4.9	6
69	Manipulation of the polarization of Terahertz wave in subwavelength regime. <i>Scientific Reports</i> , 2015 , 5, 8306	4.9	4
68	Plasmon-driven surface catalysis in hybridized plasmonic gap modes. <i>Scientific Reports</i> , 2014 , 4, 7087	4.9	47
67	Simple and reusable picoinjector for liquid delivery via nanofluidics approach. <i>Nanoscale Research Letters</i> , 2014 , 9, 147	5	8
66	Applications of micro/nanoparticles in microfluidic sensors: a review. <i>Sensors</i> , 2014 , 14, 6952-64	3.8	31
65	Extraction, amplification and detection of DNA in microfluidic chip-based assays. <i>Mikrochimica Acta</i> , 2014 , 181, 1611-1631	5.8	69
64	Selective modification for polydimethylsiloxane chip by micro-plasma. <i>Journal of Materials Science</i> , 2013 , 48, 1310-1314	4.3	6
63	High-throughput particle manipulation by hydrodynamic, electrokinetic, and dielectrophoretic effects in an integrated microfluidic chip. <i>Biomicrofluidics</i> , 2013 , 7, 24106	3.2	28

62	Improved concentration and separation of particles in a 3D dielectrophoretic chip integrating focusing, aligning and trapping. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 527-539	2.8	35
61	Honeycomb Structures: Facile Synthesis of Biomimetic Honeycomb Material with Biological Functionality (Small 4/2013). <i>Small</i> , 2013 , 9, 644-644	11	
60	A novel method to construct 3D electrodes at the sidewall of microfluidic channel. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 499-508	2.8	38
59	Thermal coherence properties of topological insulator slabs in time-reversal symmetry breaking fields. <i>Physical Review B</i> , 2013 , 87,	3.3	5
58	Fabrication and characterisation of patterned magnetorheological elastomers 2013 ,		6
57	Fast detection of genetic information by an optimized PCR in an interchangeable chip. <i>Biomedical Microdevices</i> , 2012 , 14, 179-86	3.7	23
56	Smart electroresponsive droplets in microfluidics. <i>Soft Matter</i> , 2012 , 8, 11589	3.6	28
55	Electrorheological Fluids: Mechanisms, Dynamics, and Microfluidics Applications. <i>Annual Review of Fluid Mechanics</i> , 2012 , 44, 143-174	22	148
54	Dark acoustic metamaterials as super absorbers for low-frequency sound. <i>Nature Communications</i> , 2012 , 3, 756	17.4	634
53	A simple and cost-effective method for fabrication of integrated electronic-microfluidic devices using a laser-patterned PDMS layer. <i>Microfluidics and Nanofluidics</i> , 2012 , 12, 751-760	2.8	39
52	Fano effect of metamaterial resonance in terahertz extraordinary transmission. <i>Applied Physics Letters</i> , 2011 , 98, 011911	3.4	35
51	Design and fabrication of microfluidic mixer from carbonyl iron/PDMS composite membrane. <i>Microfluidics and Nanofluidics</i> , 2011 , 10, 919-925	2.8	56
50	Single-phase electrorheological effect in microgravity. <i>Soft Matter</i> , 2011 , 7, 7198	3.6	3
49	Microdroplet-based universal logic gates by electrorheological fluid. <i>Soft Matter</i> , 2011 , 7, 7493	3.6	37
48	Patterning cell using Si-stencil for high-throughput assay. <i>RSC Advances</i> , 2011 , 1, 746	3.7	8
47	Giant electrorheological effect: a microscopic mechanism. <i>Physical Review Letters</i> , 2010 , 105, 046001	7.4	37
46	Critical droplet volume for spontaneous capillary wrapping. <i>Applied Physics Letters</i> , 2010 , 97, 124103	3.4	10
45	A simple method for fabricating multi-layer PDMS structures for 3D microfluidic chips. <i>Lab on A Chip</i> , 2010 , 10, 1199-203	7.2	143

44	Generation and manipulation of smart droplets. <i>Soft Matter</i> , 2009 , 5, 576-581	3.6	67
43	Electrorheological fluids: structures and mechanisms. <i>Soft Matter</i> , 2008 , 4, 200-210	3.6	183
42	Experimental determination for resonance-induced transmission of acoustic waves through subwavelength hole arrays. <i>Journal of Applied Physics</i> , 2008 , 104, 014909	2.5	41
41	Influence of liquid phase on nanoparticle-based giant electrorheological fluid. <i>Nanotechnology</i> , 2008 , 19, 165602	3.4	40
40	Acoustic wave transmission through a bullseye structure. <i>Applied Physics Letters</i> , 2008 , 92, 124106	3.4	47
39	Wettability of urea-doped TiO ₂ nanoparticles and their high electrorheological effects. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 47, 311-315	2.3	26
38	Effective dynamic mass density of composites. <i>Physical Review B</i> , 2007 , 76,	3.3	73
37	Tuning Fabry-Perot resonances via diffraction evanescent waves. <i>Physical Review B</i> , 2007 , 76,	3.3	132
36	THE METHODS FOR MEASURING SHEAR STRESS OF POLAR MOLECULE DOMINATED ER FLUIDS. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4813-4818	1.1	9
35	POLAR MOLECULE TYPE ELECTORRHEOLOGICAL FLUIDS. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4798-4805	1.1	15
34	THE MODIFIED ELECTRODES FOR THE APPLICATION OF POLAR MOLECULE DOMINATED ELECTORRHEOLOGICAL (PM-ER) FLUIDS. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4940-4944	1.1	7
33	Experimental demonstration of directional acoustic radiation based on two-dimensional phononic crystal band edge states. <i>Applied Physics Letters</i> , 2007 , 90, 083509	3.4	32
32	FORMATION OF POLARIZED CONTACT LAYERS AND THE GIANT ELECTORRHEOLOGICAL EFFECT. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4907-4913	1.1	4
31	Hybrid approach to high-frequency microfluidic mixing. <i>Physical Review Letters</i> , 2006 , 97, 044501	7.4	38
30	Highly directional acoustic wave radiation based on asymmetrical two-dimensional phononic crystal resonant cavity. <i>Applied Physics Letters</i> , 2006 , 88, 263505	3.4	37
29	Electrorheological fluid-actuated microfluidic pump. <i>Applied Physics Letters</i> , 2006 , 89, 083505	3.4	36
28	Micro Valve and Chaotic Mixer Driven by Electrorheological Fluid 2006 ,		1
27	Frequency-controlled interaction between magnetic microspheres. <i>Applied Physics Letters</i> , 2006 , 88, 134107	3.4	4

26	Electrorheological-fluid-based microvalves. <i>Applied Physics Letters</i> , 2005 , 87, 243501	3.4	32
25	Electromagnetic-Wave Tunneling Through Negative-Permittivity Media with High Magnetic Fields. <i>Physical Review Letters</i> , 2005 , 94,	7.4	127
24	Parallel-field electrorheological clutch: Enhanced high shear rate performance. <i>Applied Physics Letters</i> , 2005 , 87, 104106	3.4	14
23	ELECTRIC FIELD-INDUCED INTERACTION FORCE BETWEEN TWO SPHERES. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1209-1214	1.1	
22	Tunable band gap properties of planar metallic fractals. <i>Journal of Applied Physics</i> , 2004 , 95, 3231-3233	2.5	11
21	Particle size scaling of the giant electrorheological effect. <i>Applied Physics Letters</i> , 2004 , 85, 299-301	3.4	106
20	The giant electrorheological effect in suspensions of nanoparticles. <i>Nature Materials</i> , 2003 , 2, 727-30	27	462
19	Dielectric electrorheological fluids: Theory and experiment. <i>Advances in Physics</i> , 2003 , 52, 343-383	18.4	65
18	Frequency dependence of a field-induced force between two high dielectric spheres in various fluid media. <i>Journal of Applied Physics</i> , 2003 , 94, 7832	2.5	10
17	Two-dimensional photonic crystal at THz frequencies constructed by metal-coated cylinders. <i>Journal of Applied Physics</i> , 2003 , 93, 9401-9403	2.5	31
16	Infrared passbands from fractal slit patterns on a metal plate. <i>Applied Physics Letters</i> , 2003 , 83, 2106-2108	3.4	27
15	Experimental investigation for field-induced interaction force of two spheres. <i>Applied Physics Letters</i> , 2003 , 82, 1796-1798	3.4	23
14	Multiband subwavelength magnetic reflectors based on fractals. <i>Applied Physics Letters</i> , 2003 , 83, 3257-3259	3.4	35
13	Preparation and optical characterization of Au/SiO ₂ composite films with multilayer structure. <i>Journal of Applied Physics</i> , 2003 , 93, 4485-4488	2.5	41
12	Reflectivity of planar metallic fractal patterns. <i>Applied Physics Letters</i> , 2003 , 82, 1012-1014	3.4	35
11	Subwavelength photonic band gaps from planar fractals. <i>Physical Review Letters</i> , 2002 , 89, 223901	7.4	99
10	Breakup of dipolar rings under a perpendicular magnetic field. <i>Physical Review E</i> , 2001 , 64, 061503	2.4	40
9	Multiply coated microspheres. A platform for realizing fields-induced structural transition and photonic bandgap. <i>Pure and Applied Chemistry</i> , 2000 , 72, 309-315	2.1	9

- 8 Frequency-induced structure variation in electrorheological fluids. *Applied Physics Letters*, **2000**, 77, 3821-3823 16
- 7 Fabrication of PZT microspheres for application in electrorheological fluids. *Journal of Materials Science Letters*, **1998**, 17, 419-421 11
- 6 Electrorheological fluids using bidispersed particles. *Journal of Materials Research*, **1998**, 13, 2783-2786 2.5 9
- 5 Anisotropic dielectric properties of structured electrorheological fluids. *Applied Physics Letters*, **1998**, 73, 3070-3072 3.4 12
- 4 Magnetic materials-based electrorheological fluids. *Applied Physics Letters*, **1997**, 71, 2529-2531 3.4 20
- 3 Microstructured Particles for Electrorheological Applications. *ACS Symposium Series*, **1997**, 41-53 0.4
- 2 Frequency Dependent Electrorheological Properties: Origin and Bounds. *Physical Review Letters*, **1996**, 77, 2499-2502 7.4 116
- 1 Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. *Advanced Materials Technologies*, 2100668 6.8 0