Joseph Wang

List of Publications by Year
in descending order

358	59,501	366 135	1131 230
papers	citations	h-index	g-index

370	370	370	32928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable energy systems: what are the limits and limitations?. National Science Review, 2023, 10, .	4.6	6
2	Smart Materials for Microrobots. Chemical Reviews, 2022, 122, 5365-5403.	23.0	201
3	Biomembraneâ€Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. Advanced Materials, 2022, 34, e2107177.	11.1	41
4	Electrical Propulsion and Cargo Transport of Microbowl Shaped Janus Particles. Small, 2022, 18, e2101809.	5.2	9
5	Screen-Printed Technologies Combined with Flow Analysis Techniques: Moving from Benchtop to Everywhere. Analytical Chemistry, 2022, 94, 250-268.	3.2	17
6	Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing. Analytical and Bioanalytical Chemistry, 2022, 414, 5411-5421.	1.9	39
7	Wearable electrochemical microneedle sensing platform for real-time continuous interstitial fluid monitoring of apomorphine: Toward Parkinson management. Sensors and Actuators B: Chemical, 2022, 354, 131234.	4.0	32
8	Microneedle-mediated Intratumoral Delivery of Anti-CTLA-4 Promotes cDC1-dependent Eradication of Oral Squamous Cell Carcinoma with Limited irAEs. Molecular Cancer Therapeutics, 2022, 21, 616-624.	1.9	20
9	Development of a Novel Insulin Sensor for Clinical Decision-Making. Journal of Diabetes Science and Technology, 2022, , 193229682110711.	1.3	3
10	Designing wearable microgrids: towards autonomous sustainable on-body energy management. Energy and Environmental Science, 2022, 15, 82-101.	15.6	48
11	Clinical Evaluation of a Novel Insulin Immunosensor. Journal of Diabetes Science and Technology, 2022, , 193229682210744.	1.3	3
12	Electronic textiles for energy, sensing, and communication. IScience, 2022, 25, 104174.	1.9	30
13	An integrated wearable microneedle array for the continuous monitoring of multiple biomarkers in interstitial fluid. Nature Biomedical Engineering, 2022, 6, 1214-1224.	11.6	186
14	Sensor Array Chip for Realâ€Time Field Detection and Discrimination of Organophosphorus Neurotoxins. ChemElectroChem, 2022, 9, .	1.7	6
15	Microneedle Aptamer-Based Sensors for Continuous, Real-Time Therapeutic Drug Monitoring. Analytical Chemistry, 2022, 94, 8335-8345.	3.2	68
16	Switching from Chemical to Electrical Micromotor Propulsion across a Gradient of Gastric Fluid via Magnetic Rolling. ACS Applied Materials & Interfaces, 2022, 14, 30290-30298.	4.0	17
17	Concept of the â€œUniversal Slopeâ€: Toward Substantially Shorter Decentralized Insulin Immunoassays. Analytical Chemistry, 2022, 94, 9217-9225.	3.2	4
18	Closing the loop for patients with Parkinson disease: where are we?. Nature Reviews Neurology, 2022, 18, 497-507.	4.9	19

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19	Resettable sweat-powered wearable electrochromic biosensor. Biosensors and Bioelectronics, 2022, 215, 114565.	5.3	23
20	A review of biomarkers in the context of type 1 diabetes: Biological sensing for enhanced glucose control. Bioengineering and Translational Medicine, 2021, 6, e10201.	3.9	33
21	Wearable electrochemical biosensors in North America. Biosensors and Bioelectronics, 2021, 172, 112750.	5.3	167
22	High Performance Printed AgO-Zn Rechargeable Battery for Flexible Electronics. Joule, 2021, 5, 228-248.	11.7	78
23	Combinatorial microneedle patch with tunable release kinetics and dual fast-deep/sustained release capabilities. Journal of Materials Chemistry B, 2021, 9, 2189-2199.	2.9	9
24	An epidermal patch for the simultaneous monitoring of haemodynamic and metabolic biomarkers. Nature Biomedical Engineering, 2021, 5, 737-748.	11.6	309
25	Swimmers Heal on the Move Following Catastrophic Damage. Nano Letters, 2021, 21, 2240-2247.	4.5	4
26	Lab under the Skin: Microneedle Based Wearable Devices. Advanced Healthcare Materials, 2021, 10, e2002255.	3.9	141
27	A self-sustainable wearable multi-modular E-textile bioenergy microgrid system. Nature Communications, 2021, 12, 1542.	5.8	164
28	Touchâ€Based Stressless Cortisol Sensing. Advanced Materials, 2021, 33, e2008465.	11.1	127
29	Touch-Based Fingertip Blood-Free Reliable Glucose Monitoring: Personalized Data Processing for Predicting Blood Glucose Concentrations. ACS Sensors, 2021, 6, 1875-1883.	4.0	104
30	A Microstirring Pill Enhances Bioavailability of Orally Administered Drugs. Advanced Science, 2021, 8, 2100389.	5.6	23
31	Wearable and Mobile Sensors for Personalized Nutrition. ACS Sensors, 2021, 6, 1745-1760.	4.0	106
32	Textile-based wearable solid-contact flexible fluoride sensor: Toward biodetection of G-type nerve agents. Biosensors and Bioelectronics, 2021, 182, 113172.	5.3	29
33	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. Journal of the American Chemical Society, 2021, 143, 12194-12201.	6.6	42
34	Nonâ€Invasive Sweatâ€Based Tracking of Lâ€Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. Angewandte Chemie - International Edition, 2021, 60, 19074-19078.	7.2	36
35	A passive perspiration biofuel cell: High energy return on investment. Joule, 2021, 5, 1888-1904.	11.7	89
36	Wearable Biosupercapacitor: Harvesting and Storing Energy from Sweat. Advanced Functional Materials, 2021, 31, 2102915.	7.8	47

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37	Nonâ€Invasive Sweatâ€Based Tracking of Lâ€Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. Angewandte Chemie, 2021, 133, 19222-19226.	1.6	10
38	Energy Autonomous Sweatâ€Based Wearable Systems. Advanced Materials, 2021, 33, e2100899.	11.1	85
39	Extended Noninvasive Glucose Monitoring in the Interstitial Fluid Using an Epidermal Biosensing Patch. Analytical Chemistry, 2021, 93, 12767-12775.	3.2	54
40	Trivalent Subunit Vaccine Candidates for COVID-19 and Their Delivery Devices. Journal of the American Chemical Society, 2021, 143, 14748-14765.	6.6	48
41	Detection and quantification of Mycobacterium tuberculosis antigen CFP10 in serum and urine for the rapid diagnosis of active tuberculosis disease. Scientific Reports, 2021, 11, 19193.	1.6	8
42	Electrochemical sensors: From the bench to the skin. Sensors and Actuators B: Chemical, 2021, 344, 130178.	4.0	71
43	Decentralized vitamin C & D dual biosensor chip: Toward personalized immune system support. Biosensors and Bioelectronics, 2021, 194, 113590.	5.3	14
44	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. Advanced Materials, 2021, 33, e2103505.	11.1	38
45	Monolithic processing of a layered flexible robotic actuator film for kinetic electronics. Scientific Reports, 2021, 11, 20015.	1.6	7
46	Green MIP-202(Zr) Catalyst: Degradation and Thermally Robust Biomimetic Sensing of Nerve Agents. Journal of the American Chemical Society, 2021, 143, 18261-18271.	6.6	33
47	A Robotic Electrochemical Biosensor Based on Kinetic Electronics Technique. , 2021, , .		1
48	Will future microbots be task-specific customized machines or multi-purpose â€œall in oneâ€•vehicles?. Nature Communications, 2021, 12, 7125.	5.8	13
49	Wearable Chemical Sensors: Emerging Systems for On-Body Analytical Chemistry. Analytical Chemistry, 2020, 92, 378-396.	3.2	136
50	Onâ€Body Bioelectronics: Wearable Biofuel Cells for Bioenergy Harvesting and Selfâ€Powered Biosensing. Advanced Functional Materials, 2020, 30, 1906243.	7.8	134
51	Biopsy needle integrated with multi-modal physical/chemical sensor array. Biosensors and Bioelectronics, 2020, 148, 111822.	5.3	19
52	Builtâ€In Active Microneedle Patch with Enhanced Autonomous Drug Delivery. Advanced Materials, 2020, 32, e1905740.	11.1	160
53	Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. Analytical Chemistry, 2020, 92, 2291-2300.	3.2	154
54	Onionâ€like Multifunctional Microtrap Vehicles for Attractionâ€“Trappingâ€“Destruction of Biological Threats. Angewandte Chemie, 2020, 132, 3508-3513.	1.6	10

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55	Onionâ€like Multifunctional Microtrap Vehicles for Attractionâ€“Trappingâ€“Destruction of Biological Threats. Angewandte Chemie - International Edition, 2020, 59, 3480-3485.	7.2	31
56	Intrinsically Stretchable Fuel Cell Based on Enokitakeâ€Like Standing Gold Nanowires. Advanced Energy Materials, 2020, 10, 1903512.	10.2	34
57	Electrochemical glucose sensors in diabetes management: an updated review (2010â€“2020). Chemical Society Reviews, 2020, 49, 7671-7709.	18.7	460
58	From Passive Inorganic Oxides to Active Matters of Micro/Nanomotors. Advanced Functional Materials, 2020, 30, 2003195.	7.8	33
59	Active Microneedle Administration of Plant Virus Nanoparticles for Cancer In Situ Vaccination Improves Immunotherapeutic Efficacy. ACS Applied Nano Materials, 2020, 3, 8037-8051.	2.4	34
60	Fantastic Voyage of Nanomotors into the Cell. ACS Nano, 2020, 14, 9423-9439.	7.3	144
61	Zinc Microrocket Pills: Fabrication and Characterization toward Active Oral Delivery. Advanced Healthcare Materials, 2020, 9, e2000900.	3.9	25
62	Simultaneous cortisol/insulin microchip detection using dual enzyme tagging. Biosensors and Bioelectronics, 2020, 167, 112512.	5.3	40
63	Structural Innovations in Printed, Flexible, and Stretchable Electronics. Advanced Materials Technologies, 2020, 5, .	3.0	57
64	Density Asymmetry Driven Propulsion of Ultrasoundâ€Powered Janus Micromotors. Advanced Functional Materials, 2020, 30, 2004043.	7.8	60
65	Wearable Electrochemical Sensors for the Monitoring and Screening of Drugs. ACS Sensors, 2020, 5, 2679-2700.	4.0	227
66	Ultrafast Growth and Locomotion of Dandelionâ€Like Microswarms with Tubular Micromotors. Small, 2020, 16, e2003678.	5.2	38
67	Epidermal Enzymatic Biosensors for Sweat Vitamin C: Toward Personalized Nutrition. ACS Sensors, 2020, 5, 1804-1813.	4.0	163
68	Multicompartment Tubular Micromotors Toward Enhanced Localized Active Delivery. Advanced Materials, 2020, 32, e2000091.	11.1	80
69	Liquid Metal Based Islandâ€Bridge Architectures for All Printed Stretchable Electrochemical Devices. Advanced Functional Materials, 2020, 30, 2002041.	7.8	95
70	An integrated microcatheter-based dual-analyte sensor system for simultaneous, real-time measurement of propofol and fentanyl. Talanta, 2020, 218, 121205.	2.9	23
71	Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. Science Robotics, 2020, 5, .	9.9	236
72	Uric acid electrochemical sensing in biofluids based on Ni/Zn hydroxide nanocatalyst. Mikrochimica Acta, 2020, 187, 379.	2.5	28

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73	Continuous Opioid Monitoring along with Nerve Agents on a Wearable Microneedle Sensor Array. Journal of the American Chemical Society, 2020, 142, 5991-5995.	6.6	130
74	Powered by sweat: Throw out the batteries: Biofuels will change the future of wearable devices. IEEE Spectrum, 2020, 57, 28-33.	0.5	13
75	Effective removal of inorganic and organic heavy metal pollutants with poly(amino acid)-based micromotors. Nanoscale, 2020, 12, 5227-5232.	2.8	45
76	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. ACS Sensors, 2020, 5, 1363-1373.	4.0	37
77	Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. Analytical Chemistry, 2020, 92, 4647-4655.	3.2	108
78	Simultaneous detection of salivary Î”9-tetrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor. Talanta, 2020, 211, 120757.	2.9	95
79	Enzymatic biofuel cells based on protective hydrophobic carbon paste electrodes: towards epidermal bioenergy harvesting in the acidic sweat environment. Chemical Communications, 2020, 56, 2004-2007.	2.2	18
80	Smallâ€Scale Propellers Deliver Miniature Versions of Themselves. Small, 2020, 16, 2000453.	5.2	3
81	Active Delivery of VLPs Promotes Antiâ€Tumor Activity in a Mouse Ovarian Tumor Model. Small, 2020, 16, e1907150.	5.2	40
82	OPAA/fluoride biosensor chip towards field detection of G-type nerve agents. Sensors and Actuators B: Chemical, 2020, 320, 128344.	4.0	18
83	63-OR: Towards Point-of-Care Devices: First Evaluation of an Insulin Immunosensor for Type 1 Diabetes. Diabetes, 2020, 69, .	0.3	1
84	Multigear Bubble Propulsion of Transient Micromotors. Research, 2020, 2020, 7823615.	2.8	32
85	Sensing at Your Fingertips: Gloveâ€based Wearable Chemical Sensors. Electroanalysis, 2019, 31, 428-436.	1.5	43
86	Skinâ€worn Soft Microfluidic Potentiometric Detection System. Electroanalysis, 2019, 31, 239-245.	1.5	77
87	A Human Microrobot Interface Based on Acoustic Manipulation. ACS Nano, 2019, 13, 11443-11452.	7.3	58
88	Wearable Electrochemical Microneedle Sensor for Continuous Monitoring of Levodopa: Toward Parkinson Management. ACS Sensors, 2019, 4, 2196-2204.	4.0	196
89	Motile Micropump Based on Synthetic Micromotors for Dynamic Micropatterning. ACS Applied Materials & Interfaces, 2019, 11, 28507-28514.	4.0	37
90	Stretchable and Flexible Buckypaperâ€Based Lactate Biofuel Cell for Wearable Electronics. Advanced Functional Materials, 2019, 29, 1905785.	7.8	132

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91	Rapid Detection of AIB1 in Breast Cancer Cells Based on Aptamerâ€Functionalized Nanomotors. ChemPhysChem, 2019, 20, 3177-3180.	1.0	38
92	3D steerable, acoustically powered microswimmers for single-particle manipulation. Science Advances, 2019, 5, eaax3084.	4.7	199
93	A Nanomotor-Based Active Delivery System for Intracellular Oxygen Transport. ACS Nano, 2019, 13, 11996-12005.	7.3	81
94	Acoustic Nanomotors for Detection of Human Papillomavirusâ€“Associated Head and Neck Cancer. Otolaryngology - Head and Neck Surgery, 2019, 161, 814-822.	1.1	36
95	Pacifier Biosensor: Toward Noninvasive Saliva Biomarker Monitoring. Analytical Chemistry, 2019, 91, 13883-13891.	3.2	122
96	Micromotors for Active Delivery of Minerals toward the Treatment of Iron Deficiency Anemia. Nano Letters, 2019, 19, 7816-7826.	4.5	54
97	Point-of-use robotic sensors for simultaneous pressure detection and chemical analysis. Materials Horizons, 2019, 6, 604-611.	6.4	49
98	Self-Propelled and Targeted Drug Delivery of Poly(aspartic acid)/Ironâ€“Zinc Microrocket in the Stomach. ACS Nano, 2019, 13, 1324-1332.	7.3	57
99	Eyeglasses-based tear biosensing system: Non-invasive detection of alcohol, vitamins and glucose. Biosensors and Bioelectronics, 2019, 137, 161-170.	5.3	180
100	A Macrophageâ€“Magnesium Hybrid Biomotor: Fabrication and Characterization. Advanced Materials, 2019, 31, e1901828.	11.1	76
101	Laserâ€Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. Advanced Materials Technologies, 2019, 4, 1900162.	3.0	55
102	Wearable thermoelectrics for personalized thermoregulation. Science Advances, 2019, 5, eaaw0536.	4.7	299
103	Enzymatic/Immunoassay Dualâ€Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. Angewandte Chemie, 2019, 131, 6442-6445.	1.6	70
104	Rotibot: Use of Rotifers as Selfâ€Propelling Biohybrid Microcleaners. Advanced Functional Materials, 2019, 29, 1900658.	7.8	37
105	Enzymatic/Immunoassay Dualâ€Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. Angewandte Chemie - International Edition, 2019, 58, 6376-6379.	7.2	106
106	Fish-Scale-Like Intercalated Metal Oxide-Based Micromotors as Efficient Water Remediation Agents. ACS Applied Materials & Interfaces, 2019, 11, 16164-16173.	4.0	52
107	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. Sensors and Actuators B: Chemical, 2019, 296, 126422.	4.0	134
108	Structureâ€Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Lightâ€Driven Hybrid Microbowls. Advanced Functional Materials, 2019, 29, 1809003.	7.8	79

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109	Biomimetic Micromotor Enables Active Delivery of Antigens for Oral Vaccination. Nano Letters, 2019, 19, 1914-1921.	4.5	152
110	Wearable biosensors for healthcare monitoring. Nature Biotechnology, 2019, 37, 389-406.	9.4	1,895
111	Enokitake Mushroom-like Standing Gold Nanowires toward Wearable Noninvasive Bimodal Glucose and Strain Sensing. ACS Applied Materials & Interfaces, 2019, 11, 9724-9729.	4.0	91
112	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. Analytical Chemistry, 2019, 91, 3747-3753.	3.2	70
113	Hybrid Nanovehicles: One Machine, Two Engines. Advanced Functional Materials, 2019, 29, 1806290.	7.8	77
114	Cavitas electrochemical sensor toward detection of N-epsilon (carboxymethyl)lysine in oral cavity. Sensors and Actuators B: Chemical, 2019, 281, 399-407.	4.0	43
115	Parallel Labelâ€Free Isolation of Cancer Cells Using Arrays of Acoustic Microstreaming Traps. Advanced Materials Technologies, 2019, 4, 1800374.	3.0	35
116	Direct electrochemical biosensing in gastrointestinal fluids. Analytical and Bioanalytical Chemistry, 2019, 411, 4597-4604.	1.9	37
117	Virusâ€Based Nanomotors for Cargo Delivery. ChemNanoMat, 2019, 5, 194-200.	1.5	28
118	Micromotors for â€œChemistry-on-the-Flyâ€. Journal of the American Chemical Society, 2018, 140, 3810-3820.	6.6	167
119	Innentitelbild: Active Intracellular Delivery of a Cas9/sgRNA Complex Using Ultrasoundâ€Propelled Nanomotors (Angew. Chem. 10/2018). Angewandte Chemie, 2018, 130, 2532-2532.	1.6	1
120	Magnesiumâ€Based Micromotors: Waterâ€Powered Propulsion, Multifunctionality, and Biomedical and Environmental Applications. Small, 2018, 14, e1704252.	5.2	132
121	From Allâ€Printed 2D Patterns to Freeâ€Standing 3D Structures: Controlled Buckling and Selective Bonding. Advanced Materials Technologies, 2018, 3, 1800013.	3.0	19
122	Multistimuli-Responsive Camouflage Swimmers. Chemistry of Materials, 2018, 30, 1593-1601.	3.2	31
123	Selective Voltammetric Measurements of Epinephrine and Norepinephrine in Presence of Common Interferences Using Cyclic Squareâ€wave voltammetry at Unmodified Carbon Electrodes. Electroanalysis, 2018, 30, 1028-1032.	1.5	12
124	Wearable Wireless Tyrosinase Bandage and Microneedle Sensors: Toward Melanoma Screening. Advanced Healthcare Materials, 2018, 7, e1701264.	3.9	170
125	Active Intracellular Delivery of a Cas9/sgRNA Complex Using Ultrasoundâ€Propelled Nanomotors. Angewandte Chemie, 2018, 130, 2687-2691.	1.6	20
126	Micromotors Go In Vivo: From Test Tubes to Live Animals. Advanced Functional Materials, 2018, 28, 1705640.	7.8	106

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127	Active Intracellular Delivery of a Cas9/sgRNA Complex Using Ultrasoundâ€Propelled Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 2657-2661.	7.2	187
128	A 0.3V biofuel-cell-powered glucose/lactate biosensing system employing a 180nW 64dB SNR passive ÎΔ, ADC and a 920MHz wireless transmitter. , 2018, , .		7
129	Detection of vapor-phase organophosphate threats using wearable conformable integrated epidermal and textile wireless biosensor systems. Biosensors and Bioelectronics, 2018, 101, 227-234.	5.3	79
130	Re-usable electrochemical glucose sensors integrated into a smartphone platform. Biosensors and Bioelectronics, 2018, 101, 181-187.	5.3	93
131	Wearable non-invasive epidermal glucose sensors: A review. Talanta, 2018, 177, 163-170.	2.9	432
132	Targeting and isolation of cancer cells using micro/nanomotors. Advanced Drug Delivery Reviews, 2018, 125, 94-101.	6.6	125
133	Biomimetic Plateletâ€Camouflaged Nanorobots for Binding and Isolation of Biological Threats. Advanced Materials, 2018, 30, 1704800.	11.1	139
134	Wearable sensors: modalities, challenges, and prospects. Lab on A Chip, 2018, 18, 217-248.	3.1	778
135	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 241-245.	7.2	54
136	Sweat-based wearable energy harvesting-storage hybrid textile devices. Energy and Environmental Science, 2018, 11, 3431-3442.	15.6	196
137	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. Accounts of Chemical Research, 2018, 51, 2820-2828.	7.6	214
138	Chemical Sensing at the Robot Fingertips: Toward Automated Taste Discrimination in Food Samples. ACS Sensors, 2018, 3, 2375-2384.	4.0	59
139	Electrochemical Deposition Tailors the Catalytic Performance of MnO₂â€Based Micromotors. Small, 2018, 14, e1802771.	5.2	30
140	A 0.3-V CMOS Biofuel-Cell-Powered Wireless Glucose/Lactate Biosensing System. IEEE Journal of Solid-State Circuits, 2018, 53, 3126-3139.	3.5	55
141	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. Analytical Chemistry, 2018, 90, 13498-13505.	3.2	58
142	Delayed Sensor Activation Based on Transient Coatings: Biofouling Protection in Complex Biofluids. Journal of the American Chemical Society, 2018, 140, 14050-14053.	6.6	59
143	Noninvasive Transdermal Delivery System of Lidocaine Using an Acoustic Dropletâ€Vaporization Based Wearable Patch. Small, 2018, 14, e1803266.	5.2	47
144	Enzymatic glucose/oxygen biofuel cells: Use of oxygen-rich cathodes for operation under severe oxygen-deficit conditions. Biosensors and Bioelectronics, 2018, 122, 284-289.	5.3	30

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145	Wearable electrochemical alcohol biosensors. Current Opinion in Electrochemistry, 2018, 10, 126-135.	2.5	101
146	Micromotors for environmental applications: a review. Environmental Science: Nano, 2018, 5, 1530-1544.	2.2	187
147	Finger-Based Printed Sensors Integrated on a Glove for On-Site Screening Of Pseudomonas aeruginosa Virulence Factors. Analytical Chemistry, 2018, 90, 7761-7768.	3.2	53
148	Hybrid biomembraneâ€“functionalized nanorobots for concurrent removal of pathogenic bacteria and toxins. Science Robotics, 2018, 3, .	9.9	190
149	Wearable potentiometric tattoo biosensor for on-body detection of G-type nerve agents simulants. Sensors and Actuators B: Chemical, 2018, 273, 966-972.	4.0	92
150	Highly Stable Battery Pack via Insulated, Reinforced, Bucklingâ€Enabled Interconnect Array. Small, 2018, 14, e1800938.	5.2	35
151	Micromotor Pills as a Dynamic Oral Delivery Platform. ACS Nano, 2018, 12, 8397-8405.	7.3	104
152	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. Advanced Science, 2018, 5, 1800880.	5.6	371
153	Cell-Like Micromotors. Accounts of Chemical Research, 2018, 51, 1901-1910.	7.6	128
154	Micro- and Nanomotors as Active Environmental Microcleaners and Sensors. Journal of the American Chemical Society, 2018, 140, 9317-9331.	6.6	307
155	Fully edible biofuel cells. Journal of Materials Chemistry B, 2018, 6, 3571-3578.	2.9	23
156	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€Optical Brakes. Angewandte Chemie - International Edition, 2018, 57, 8110-8114.	7.2	67
157	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€Optical Brakes. Angewandte Chemie, 2018, 130, 8242-8246.	1.6	34
158	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. Advanced Biology, 2018, 2, 1700160.	3.0	98
159	Micromotors Spontaneously Neutralize Gastric Acid for pHâ€Responsive Payload Release. Angewandte Chemie - International Edition, 2017, 56, 2156-2161.	7.2	175
160	Chitosan-based water-propelled micromotors with strong antibacterial activity. Nanoscale, 2017, 9, 2195-2200.	2.8	127
161	Continuous minimally-invasive alcohol monitoring using microneedle sensor arrays. Biosensors and Bioelectronics, 2017, 91, 574-579.	5.3	201
162	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. Biosensors and Bioelectronics, 2017, 91, 885-891.	5.3	274

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163	A microneedle biosensor for minimally-invasive transdermal detection of nerve agents. Analyst, The, 2017, 142, 918-924.	1.7	86
164	Micro/nanorobots for biomedicine: Delivery, surgery, sensing, and detoxification. Science Robotics, 2017, 2, .	9.9	1,018
165	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. ACS Sensors, 2017, 2, 553-561.	4.0	260
166	Merging of Thinâ€•and Thickâ€Film Fabrication Technologies: Toward Soft Stretchable â€œIslandâ€“Bridgeâ€• Devices. Advanced Materials Technologies, 2017, 2, 1600284.	3.0	71
167	Utilizing Iron's Attractive Chemical and Magnetic Properties in Microrocket Design, Extended Motion, and Unique Performance. Small, 2017, 13, 1700035.	5.2	24
168	Nanoconfined Atomic Layer Deposition of TiO 2 /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. Advanced Functional Materials, 2017, 27, 1700598.	7.8	54
169	Nanomotor-Enabled pH-Responsive Intracellular Delivery of Caspase-3: Toward Rapid Cell Apoptosis. ACS Nano, 2017, 11, 5367-5374.	7.3	159
170	Eyeglasses based wireless electrolyte and metabolite sensor platform. Lab on A Chip, 2017, 17, 1834-1842.	3.1	211
171	Soft, stretchable, high power density electronic skin-based biofuel cells for scavenging energy from human sweat. Energy and Environmental Science, 2017, 10, 1581-1589.	15.6	309
172	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. Advanced Electronic Materials, 2017, 3, 1600260.	2.6	358
173	Allâ€Printed, Stretchable Znâ€Ag₂O Rechargeable Battery via Hyperelastic Binder for Selfâ€Powering Wearable Electronics. Advanced Energy Materials, 2017, 7, 1602096.	10.2	212
174	Metalâ€“Organic Frameworks as Micromotors with Tunable Engines and Brakes. Journal of the American Chemical Society, 2017, 139, 611-614.	6.6	96
175	Ultrasound-propelled nanowire motors enhance asparaginase enzymatic activity against cancer cells. Nanoscale, 2017, 9, 18423-18429.	2.8	65
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