

Emil Karshalev

List of Publications by Citations

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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.

34
papers

1,840
citations

23
h-index

35
g-index

35
ext. papers

2,384
ext. citations

16.5
avg, IF

5.13
L-index

#	Paper	IF	Citations
34	Bulk protonic conductivity in a cephalopod structural protein. <i>Nature Chemistry</i> , 2014 , 6, 596-602	17.6	166
33	Sweat-based wearable energy harvesting-storage hybrid textile devices. <i>Energy and Environmental Science</i> , 2018 , 11, 3431-3442	35.4	137
32	Reconfigurable infrared camouflage coatings from a cephalopod protein. <i>Advanced Materials</i> , 2013 , 25, 5621-5	24	124
31	Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. <i>Science Robotics</i> , 2020 , 5,	18.6	119
30	Micromotors for "Chemistry-on-the-Fly". <i>Journal of the American Chemical Society</i> , 2018 , 140, 3810-3820	16.4	115
29	Biomimetic Micromotor Enables Active Delivery of Antigens for Oral Vaccination. <i>Nano Letters</i> , 2019 , 19, 1914-1921	11.5	103
28	Magnesium-Based Micromotors: Water-Powered Propulsion, Multifunctionality, and Biomedical and Environmental Applications. <i>Small</i> , 2018 , 14, e1704252	11	97
27	Transient Micromotors That Disappear When No Longer Needed. <i>ACS Nano</i> , 2016 , 10, 10389-10396	16.7	87
26	Cell-Like Micromotors. <i>Accounts of Chemical Research</i> , 2018 , 51, 1901-1910	24.3	85
25	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. <i>Advanced Biology</i> , 2018 , 2, 1700160	3.5	76
24	Micromotor Pills as a Dynamic Oral Delivery Platform. <i>ACS Nano</i> , 2018 , 12, 8397-8405	16.7	65
23	Molybdenum Disulfide-Based Tubular Microengines: Toward Biomedical Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 6270-6278	15.6	60
22	A dynamic thermoregulatory material inspired by squid skin. <i>Nature Communications</i> , 2019 , 10, 1947	17.4	57
21	A Macrophage-Magnesium Hybrid Biomotor: Fabrication and Characterization. <i>Advanced Materials</i> , 2019 , 31, e1901828	24	56
20	Acoustically propelled nanoshells. <i>Nanoscale</i> , 2016 , 8, 17788-17793	7.7	51
19	Multicompartment Tubular Micromotors Toward Enhanced Localized Active Delivery. <i>Advanced Materials</i> , 2020 , 32, e2000091	24	50
18	Smart Materials for Microrobots. <i>Chemical Reviews</i> , 2021 ,	68.1	49

17	Hybrid Nanovehicles: One Machine, Two Engines. <i>Advanced Functional Materials</i> , 2019 , 29, 1806290	15.6	46
16	Structure-Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Light-Driven Hybrid Microbowls. <i>Advanced Functional Materials</i> , 2019 , 29, 1809003	15.6	45
15	Infrared invisibility stickers inspired by cephalopods. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6493-6498	7.1	45
14	Chemical/Light-Powered Hybrid Micromotors with "On-the-Fly" Optical Brakes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8110-8114	16.4	45
13	Micromotors for Active Delivery of Minerals toward the Treatment of Iron Deficiency Anemia. <i>Nano Letters</i> , 2019 , 19, 7816-7826	11.5	30
12	Multistimuli-Responsive Camouflage Swimmers. <i>Chemistry of Materials</i> , 2018 , 30, 1593-1601	9.6	29
11	Multigear Bubble Propulsion of Transient Micromotors. <i>Research</i> , 2020 , 2020, 7823615	7.8	20
10	Utilizing Iron's Attractive Chemical and Magnetic Properties in Microrocket Design, Extended Motion, and Unique Performance. <i>Small</i> , 2017 , 13, 1700035	11	19
9	Onion-like Multifunctional Microtrap Vehicles for Attraction-Trapping-Destruction of Biological Threats. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3480-3485	16.4	17
8	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12194-12201	16.4	15
7	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. <i>Advanced Materials</i> , 2021 , 33, e2103505	24	9
6	A Microstirring Pill Enhances Bioavailability of Orally Administered Drugs. <i>Advanced Science</i> , 2021 , 8, 2100389	13.6	8
5	Onion-like Multifunctional Microtrap Vehicles for Attraction-Trapping-Destruction of Biological Threats. <i>Angewandte Chemie</i> , 2020 , 132, 3508-3513	3.6	7
4	Small-Scale Propellers Deliver Miniature Versions of Themselves. <i>Small</i> , 2020 , 16, e2000453	11	3
3	Electrical Propulsion and Cargo Transport of Microbowl Shaped Janus Particles. <i>Small</i> , 2021 , 18, e2101809	10.9	2
2	Camouflage Coatings: Reconfigurable Infrared Camouflage Coatings from a Cephalopod Protein (Adv. Mater. 39/2013). <i>Advanced Materials</i> , 2013 , 25, 5676-5676	24	1
1	Swimmers Heal on the Move Following Catastrophic Damage. <i>Nano Letters</i> , 2021 , 21, 2240-2247	11.5	0