

Berna Ozkale Edelmann

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

793
citations

759233

12
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	Actuated 3D microgels for single cell mechanobiology. <i>Lab on A Chip</i> , 2022, 22, 1962-1970.	6.0	7
2	Active biomaterials for mechanobiology. <i>Biomaterials</i> , 2021, 267, 120497.	11.4	60
3	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15392-15397.	7.1	124
4	Modular soft robotic microdevices for dexterous biomanipulation. <i>Lab on A Chip</i> , 2019, 19, 778-788.	6.0	27
5	Magnetostriction in electroplated CoFe alloys. <i>Electrochemistry Communications</i> , 2017, 76, 15-19.	4.7	13
6	Magnetolectrics: Hybrid Magnetolectric Nanowires for Nanorobotic Applications: Fabrication, Magnetolectric Coupling, and Magnetically Assisted In Vitro Targeted Drug Delivery (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rg21,0 Overlok 10 Tf 50	21.0	193
7	Hybrid Magnetolectric Nanowires for Nanorobotic Applications: Fabrication, Magnetolectric Coupling, and Magnetically Assisted In Vitro Targeted Drug Delivery. <i>Advanced Materials</i> , 2017, 29, 1605458.	21.0	193
8	Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. <i>Science Robotics</i> , 2017, 2, .	17.6	49
9	Single step electrosynthesis of NiMnGa alloys. <i>Electrochimica Acta</i> , 2016, 204, 199-205.	5.2	3
10	Effect of Surface Modifications of Ti40Zr10Cu38Pd12 Bulk Metallic Glass and Ti-6Al-4V Alloy on Human Osteoblasts In Vitro Biocompatibility. <i>PLoS ONE</i> , 2016, 11, e0156644.	2.5	19
11	Multisegmented FeCo/Cu Nanowires: Electrosynthesis, Characterization, and Magnetic Control of Biomolecule Desorption. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7389-7396.	8.0	54
12	Silicon-supported aluminum oxide membranes with ultrahigh aspect ratio nanopores. <i>RSC Advances</i> , 2015, 5, 94283-94289.	3.6	9
13	Microrobots: a new era in ocular drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1815-1826.	5.0	54
14	Lithography: Hybrid Helical Magnetic Microrobots Obtained by 3D Template-Assisted Electrodeposition (Small 7/2014). <i>Small</i> , 2014, 10, 1234-1234.	10.0	3
15	Hybrid Helical Magnetic Microrobots Obtained by 3D Template-Assisted Electrodeposition. <i>Small</i> , 2014, 10, 1284-1288.	10.0	124
16	Inkjet printed superparamagnetic polymer composite hemispheres with programmed magnetic anisotropy. <i>Nanoscale</i> , 2014, 6, 10495-10499.	5.6	16
17	Self-organized spatio-temporal micropatterning in ferromagnetic CoIn films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8259-8269.	5.5	9
18	Ordered arrays of ferromagnetic, compositionally graded Cu1xNix alloy nanopillars prepared by template-assisted electrodeposition. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7215.	5.5	11

#	ARTICLE	IF	CITATIONS
19	Redox Cycling for Passive Modification of Polypyrrole Surface Properties: Effects on Cell Adhesion and Proliferation. <i>Advanced Healthcare Materials</i> , 2013, 2, 591-598.	7.6	16