

# Berna Ozkale Edelmann

## List of Publications by Year in descending order

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19  
papers

793  
citations

759233

12  
h-index

794594

19  
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19  
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19  
docs citations

19  
times ranked

1573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Magnetoelectric Nanowires for Nanorobotic Applications: Fabrication, Magnetoelectric Coupling, and Magnetically Assisted In Vitro Targeted Drug Delivery. <i>Advanced Materials</i> , 2017, 29, 1605458.	21.0	193
2	Hybrid Helical Magnetic Microrobots Obtained by 3D Template-Assisted Electrodeposition. <i>Small</i> , 2014, 10, 1284-1288.	10.0	124
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	Active biomaterials for mechanobiology. <i>Biomaterials</i> , 2021, 267, 120497.	11.4	60
5	Microrobots: a new era in ocular drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1815-1826.	5.0	54
6	Multisegmented FeCo/Cu Nanowires: Electrosynthesis, Characterization, and Magnetic Control of Biomolecule Desorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7389-7396.	8.0	54
7	Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. <i>Science Robotics</i> , 2017, 2, .	17.6	49
8	Modular soft robotic microdevices for dexterous biomanipulation. <i>Lab on A Chip</i> , 2019, 19, 778-788.	6.0	27
9	Effect of Surface Modifications of Ti <sub>40</sub> Zr <sub>10</sub> Cu <sub>38</sub> Pd <sub>12</sub> Bulk Metallic Glass and Ti-6Al-4V Alloy on Human Osteoblasts In Vitro Biocompatibility. <i>PLoS ONE</i> , 2016, 11, e0156644.	2.5	19
10	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
11	Inkjet printed superparamagnetic polymer composite hemispheres with programmed magnetic anisotropy. <i>Nanoscale</i> , 2014, 6, 10495-10499.	5.6	16
12	Magnetostriction in electroplated CoFe alloys. <i>Electrochemistry Communications</i> , 2017, 76, 15-19.	4.7	13
13	Ordered arrays of ferromagnetic, compositionally graded Cu <sub>1-x</sub> Ni <sub>x</sub> alloy nanopillars prepared by template-assisted electrodeposition. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7215.	5.5	11
14	Self-organized spatio-temporal micropatterning in ferromagnetic Co/In films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8259-8269.	5.5	9
15	Silicon-supported aluminum oxide membranes with ultrahigh aspect ratio nanopores. <i>RSC Advances</i> , 2015, 5, 94283-94289.	3.6	9
16	Actuated 3D microgels for single cell mechanobiology. <i>Lab on A Chip</i> , 2022, 22, 1962-1970.	6.0	7
17	Lithography: Hybrid Helical Magnetic Microrobots Obtained by 3D Template-Assisted Electrodeposition (Small 7/2014). <i>Small</i> , 2014, 10, 1234-1234.	10.0	3
18	Single step electrosynthesis of NiMnGa alloys. <i>Electrochimica Acta</i> , 2016, 204, 199-205.	5.2	3

#	ARTICLE	IF	CITATIONS
19	Magnetolectrics: Hybrid Magnetolectric Nanowires for Nanorobotic Applications: Fabrication, Magnetolectric Coupling, and Magnetically Assisted In Vitro Targeted Drug Delivery (Adv. Mater.) Tj ETQq1 1 0.784304 rgBE/Overlook		