

# Hakan Ceylan

## List of Publications by Year in descending order

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29  
papers

3,230  
citations

236925

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501196

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all docs

32  
docs citations

32  
times ranked

3589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical Applications of Untethered Mobile Milli/Microrobots. Proceedings of the IEEE, 2015, 103, 205-224.	21.3	656
2	3D-Printed Biodegradable Microswimmer for Theranostic Cargo Delivery and Release. ACS Nano, 2019, 13, 3353-3362.	14.6	334
3	Mobile microrobots for bioengineering applications. Lab on A Chip, 2017, 17, 1705-1724.	6.0	294
4	Light-Triggered Drug Release from 3D-Printed Magnetic Chitosan Microswimmers. ACS Nano, 2018, 12, 9617-9625.	14.6	280
5	Mobile Microrobots for Active Therapeutic Delivery. Advanced Therapeutics, 2019, 2, 1800064.	3.2	158
6	Selective adhesion and growth of vascular endothelial cells on bioactive peptide nanofiber functionalized stainless steel surface. Biomaterials, 2011, 32, 8797-8805.	11.4	146
7	Mussel Inspired Dynamic Cross-Linking of Self-Healing Peptide Nanofiber Network. Advanced Functional Materials, 2013, 23, 2081-2090.	14.9	123
8	Translational prospects of untethered medical microrobots. Progress in Biomedical Engineering, 2019, 1, 012002.	4.9	120
9	Biodegradable Untethered Magnetic Hydrogel Milli-Grippers. Advanced Functional Materials, 2020, 30, 2004975.	14.9	115
10	Elucidating the interaction dynamics between microswimmer body and immune system for medical microrobots. Science Robotics, 2020, 5, .	17.6	108
11	3D-Printed Microrobotic Transporters with Recapitulated Stem Cell Niche for Programmable and Active Cell Delivery. Advanced Functional Materials, 2019, 29, 1808992.	14.9	107
12	3D Chemical Patterning of Micromaterials for Encoded Functionality. Advanced Materials, 2017, 29, 1605072.	21.0	76
13	Intracellular Accumulation of Gold Nanoparticles Leads to Inhibition of Macropinocytosis to Reduce the Endoplasmic Reticulum Stress. Scientific Reports, 2017, 7, 40493.	3.3	75
14	High-Yield Production of Biohybrid Microalgae for On-Demand Cargo Delivery. Advanced Science, 2020, 7, 2001256.	11.2	75
15	3D-Printed Multi-Stimuli-Responsive Mobile Micromachines. ACS Applied Materials & Interfaces, 2021, 13, 12759-12766.	8.0	64
16	Self-Folded Hydrogel Tubes for Implantable Muscular Tissue Scaffolds. Macromolecular Bioscience, 2018, 18, e1700377.	4.1	57
17	Magnetic soft micromachines made of linked microactuator networks. Science Advances, 2021, 7, .	10.3	57
18	3D printed personalized magnetic micromachines from patient blood-derived biomaterials. Science Advances, 2021, 7, eabh0273.	10.3	51

#	ARTICLE	IF	CITATIONS
19	Glycosaminoglycan mimetic peptide nanofibers promote mineralization by osteogenic cells. <i>Acta Biomaterialia</i> , 2013, 9, 9075-9085.	8.3	48
20	Amyloid Inspired Self-Assembled Peptide Nanofibers. <i>Biomacromolecules</i> , 2012, 13, 3377-3387.	5.4	46
21	Bone-Like Mineral Nucleating Peptide Nanofibers Induce Differentiation of Human Mesenchymal Stem Cells into Mature Osteoblasts. <i>Biomacromolecules</i> , 2014, 15, 2407-2418.	5.4	44
22	Surface-adhesive and osteogenic self-assembled peptide nanofibers for bioinspired functionalization of titanium surfaces. <i>Soft Matter</i> , 2012, 8, 3929.	2.7	42
23	Size-controlled conformal nanofabrication of biotemplated three-dimensional TiO <sub>2</sub> and ZnO nanonetworks. <i>Scientific Reports</i> , 2013, 3, 2306.	3.3	37
24	Pozzolanic effect of andesite waste powder on mechanical properties of high strength concrete. <i>Construction and Building Materials</i> , 2018, 165, 494-503.	7.2	34
25	3D Nanoprinted Plastic Kinoform X-ray Optics. <i>Advanced Materials</i> , 2018, 30, e1802503.	21.0	26
26	Multi-Domain Short Peptide Molecules for in Situ Synthesis and Biofunctionalization of Gold Nanoparticles for Integrin-Targeted Cell Uptake. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10677-10683.	8.0	24
27	Mattertronics for programmable manipulation and multiplex storage of pseudo-diamagnetic holes and label-free cells. <i>Nature Communications</i> , 2021, 12, 3024.	12.8	19
28	Supramolecular Polymers: Mussel Inspired Dynamic Cross-Linking of Self-Healing Peptide Nanofiber Network ( <i>Adv. Funct. Mater.</i> 16/2013). <i>Advanced Functional Materials</i> , 2013, 23, 2100-2100.	14.9	2
29	New Concepts for 3D Optics in X-ray Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 288-289.	0.4	0