

# Burcu Gumuscu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9500087/publications.pdf>

Version: 2024-02-01

12  
papers

194  
citations

1040056

9  
h-index

1199594

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g-index

15  
all docs

15  
docs citations

15  
times ranked

325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-powered microfluidic device for the colorimetric detection of lithium via sequential reagent mixing. <i>Research on Engineering Structures and Materials</i> , 2021, , .	0.4	0
2	Separation-encoded microparticles for single-cell western blotting. <i>Lab on A Chip</i> , 2020, 20, 64-73.	6.0	9
3	Capillary Pinning Assisted Patterning of Cell-Laden Hydrogel Microarrays in Microchips. <i>Methods in Molecular Biology</i> , 2018, 1771, 225-238.	0.9	2
4	Enhanced ion transport using geometrically structured charge selective interfaces. <i>Lab on A Chip</i> , 2018, 18, 1652-1660.	6.0	14
5	Compartmentalized 3D Tissue Culture Arrays under Controlled Microfluidic Delivery. <i>Scientific Reports</i> , 2017, 7, 3381.	3.3	22
6	Exploiting biased reptation for continuous flow preparative DNA fractionation in a versatile microfluidic platform. <i>Microsystems and Nanoengineering</i> , 2017, 3, 17001.	7.0	10
7	Desalination by Electrodialysis Using a Stack of Patterned Ion-Selective Hydrogels on a Microfluidic Device. <i>Advanced Functional Materials</i> , 2016, 26, 8685-8693.	14.9	26
8	Complete dissipation of 2,4,6-trinitrotoluene by in-vessel composting. <i>RSC Advances</i> , 2015, 5, 51812-51819.	3.6	6
9	Large scale patterning of hydrogel microarrays using capillary pinning. <i>Lab on A Chip</i> , 2015, 15, 664-667.	6.0	24
10	Photopatterning of Hydrogel Microarrays in Closed Microchips. <i>Biomacromolecules</i> , 2015, 16, 3802-3810.	5.4	20
11	Highly Sensitive Determination of 2,4,6-Trinitrotoluene and Related Byproducts Using a Diol Functionalized Column for High Performance Liquid Chromatography. <i>PLoS ONE</i> , 2014, 9, e99230.	2.5	14
12	Effective biodegradation of 2,4,6-trinitrotoluene using a novel bacterial strain isolated from TNT-contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 35-41.	3.9	45