

# Abdurrahman Gumus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11302967/publications.pdf>

Version: 2024-02-01

18  
papers

566  
citations

840776

11  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone technology can be transformative to the deployment of lab-on-chip diagnostics. Lab on A Chip, 2014, 14, 3159-3164.	6.0	162
2	Flexible and biocompatible high-performance solid-state micro-battery for implantable orthodontic system. Npj Flexible Electronics, 2017, 1, .	10.7	65
3	Electrical control of cell density gradients on a conducting polymer surface. Chemical Communications, 2009, , 5278.	4.1	57
4	Control of cell migration using a conducting polymer device. Soft Matter, 2010, 6, 5138.	2.7	54
5	Redox mediated photocatalytic water-splitting in optofluidic microreactors. Lab on A Chip, 2013, 13, 409-414.	6.0	53
6	Concentrator photovoltaic module architectures with capabilities for capture and conversion of full global solar radiation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8210-E8218.	7.1	48
7	CMOS Enabled Microfluidic Systems for Healthcare Based Applications. Advanced Materials, 2018, 30, e1705759.	21.0	46
8	Expandable Polymer Enabled Wirelessly Destructible High-Performance Solid State Electronics. Advanced Materials Technologies, 2017, 2, 1600264.	5.8	20
9	On the Effect of Modified Carbohydrates on the Size and Shape of Gold and Silver Nanostructures. Nanomaterials, 2020, 10, 1417.	4.1	14
10	Lab-on-a-Bird: Biophysical Monitoring of Flying Birds. PLoS ONE, 2015, 10, e0123947.	2.5	13
11	Integrated hollow fiber membranes for gas delivery into optical waveguide based photobioreactors. Bioresource Technology, 2015, 192, 845-849.	9.6	13
12	Solar-thermal complex sample processing for nucleic acid based diagnostics in limited resource settings. Biomedical Optics Express, 2016, 7, 1974.	2.9	8
13	Expandable Polymer Assisted Wearable Personalized Medicinal Platform. Advanced Materials Technologies, 2020, 5, 2000411.	5.8	6
14	Personalized Healthcare: CMOS Enabled Microfluidic Systems for Healthcare Based Applications (Adv. Mater. Technol. 10/2020). Advanced Materials Technologies, 2020, 5, 2070064.	21.0	4
15	Stacked waveguide reactors with gradient embedded scatterers for high-capacity water cleaning. Optics Express, 2015, 23, A1664.	3.4	3
16	Autonomous Device for Application in Late-Phase Hemorrhagic Shock Prevention. PLoS ONE, 2014, 9, e89903.	2.5	0
17	Freeform electronics for advanced healthcare. , 2016, , .		0
18	Personalized Healthcare: Expandable Polymer Assisted Wearable Personalized Medicinal Platform (Adv. Mater. Technol. 10/2020). Advanced Materials Technologies, 2020, 5, 2070064.	5.8	0