

Rahim Esfandyarpour

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4563504/publications.pdf>

Version: 2024-02-01

26
papers

689
citations

567281

15
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtechnology-based methods for organoid models. <i>Microsystems and Nanoengineering</i> , 2020, 6, 76.	7.0	145
2	A nanoelectronics-blood-based diagnostic biomarker for myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10250-10257.	7.1	64
3	Microneedle biosensor: A method for direct label-free real time protein detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 848-855.	7.8	60
4	A self-powered triboelectric MXene-based 3D-printed wearable physiological biosignal sensing system for on-demand, wireless, and real-time health monitoring. <i>Nano Energy</i> , 2022, 101, 107511.	16.0	57
5	Multifunctional, inexpensive, and reusable nanoparticle-printed biochip for cell manipulation and diagnosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1306-E1315.	7.1	55
6	Simulation and fabrication of a new novel 3D injectable biosensor for high throughput genomics and proteomics in a lab-on-a-chip device. <i>Nanotechnology</i> , 2013, 24, 465301.	2.6	43
7	Label-free electronic probing of nucleic acids and proteins at the nanoscale using the nanoneedle biosensor. <i>Biomicrofluidics</i> , 2013, 7, 044114.	2.4	37
8	A 3D Printed Wearable Bioelectronic Patch for Multi-Parameter Sensing and In Situ Sweat Electrolyte Monitoring. <i>Advanced Materials Technologies</i> , 2021, 6, 2001021.	5.8	32
9	A Low-Cost, Disposable and Portable Inkjet-Printed Biochip for the Developing World. <i>Sensors</i> , 2020, 20, 3593.	3.8	24
10	All-3D-Printed, Flexible, and Hybrid Wearable Bioelectronic Tactile Sensors Using Biocompatible Nanocomposites for Health Monitoring. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	24
11	Nanoelectronic impedance detection of target cells. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1161-1169.	3.3	21
12	A Machine Learning-Assisted Nanoparticle-Printed Biochip for Real-Time Single Cancer Cell Analysis. <i>Advanced Biology</i> , 2020, 4, e2000160.	3.0	21
13	3D-bioprinted all-inclusive bioanalytical platforms for cell studies. <i>Scientific Reports</i> , 2020, 10, 14669.	3.3	18
14	The immune response to COVID-19: Does sex matter?. <i>Immunology</i> , 2022, 166, 429-443.	4.4	18
15	Personalized Drug Efficacy Monitoring Chip. <i>Analytical Chemistry</i> , 2019, 91, 14927-14935.	6.5	16
16	Nanoelectronic three-dimensional (3D) nanotip sensing array for real-time, sensitive, label-free sequence specific detection of nucleic acids. <i>Biomedical Microdevices</i> , 2016, 18, 7.	2.8	15
17	Electrical Detection of Protein Biomarkers Using Nanoneedle Biosensors. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1414, 7.	0.1	10
18	Thin Film Nanoelectronic Probe for Protein Detection. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1572, 1.	0.1	5

#	ARTICLE	IF	CITATIONS
19	Thin Film Nanoelectronic Probe for Protein Detection – CORRIGENDUM. Materials Research Society Symposia Proceedings, 2013, 1572, 1-2.	0.1	4
20	Microinjectrode System for Combined Drug Infusion and Electrophysiology. Journal of Visualized Experiments, 2019, , .	0.3	4
21	Matrix independent label-free nanoelectronic biosensor. , 2014, , .		3
22	Rapid, label free, high throughput, miniaturized, and inexpensive nanoelectronic array as a cancer diagnosis tool. , 2015, , .		2
23	Bioelectronic Wearables: A 3D Printed Wearable Bioelectronic Patch for Multi-Sensing and In Situ Sweat Electrolyte Monitoring (Adv. Mater. Technol. 4/2021). Advanced Materials Technologies, 2021, 6, 2170022.	5.8	2
24	An inkjet-printed and reusable platform for single-cell impedance cytometry. , 2020, , .		2
25	Label-free electronic detection of target cells. Proceedings of SPIE, 2014, , .	0.8	1
26	Nanoparticle-Printed Biochips: A Machine Learning-Assisted Nanoparticle-Printed Biochip for Real-Time Single Cancer Cell Analysis (Adv. Biosys. 11/2020). Advanced Biology, 2020, 4, 2070115.	3.0	1