

Sam Emaminejad

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

6,629
citations

257101

24
h-index

329751

37
g-index

41
all docs

41
docs citations

41
times ranked

8377
citing authors

#	ARTICLE	IF	CITATIONS
19	Electroenzymatic Sensors: A Mediator-Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring (Adv. Funct. Mater. 10/2020). Advanced Functional Materials, 2020, 30, 2070066.	7.8	0
20	Hydrogel-Enabled Transfer Printing: Hydrogel-Enabled Transfer Printing of Conducting Polymer Films for Soft Organic Bioelectronics (Adv. Funct. Mater. 6/2020). Advanced Functional Materials, 2020, 30, 2070038.	7.8	2
21	A ferrobotic system for automated microfluidic logistics. Science Robotics, 2020, 5, .	9.9	58
22	A rapid and low-cost fabrication and integration scheme to render 3D microfluidic architectures for wearable biofluid sampling, manipulation, and sensing. Lab on A Chip, 2019, 19, 2844-2853.	3.1	37
23	A wearable electrofluidic actuation system. Lab on A Chip, 2019, 19, 2966-2972.	3.1	15
24	A 3D-printed microfluidic-enabled hollow microneedle architecture for transdermal drug delivery. Biomicrofluidics, 2019, 13, 064125.	1.2	118
25	Autonomous sweat extraction and analysis applied to cystic fibrosis and glucose monitoring using a fully integrated wearable platform. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4625-4630.	3.3	573
26	Processing gain and noise in multi-electrode impedance cytometers: Comprehensive electrical design methodology and characterization. Sensors and Actuators B: Chemical, 2017, 241, 672-680.	4.0	20
27	A fully integrated electronic platform for multiplexed intermolecular force spectroscopy. , 2017, , .		0
28	A Wearable Electrochemical Platform for Noninvasive Simultaneous Monitoring of Ca ²⁺ and pH. ACS Nano, 2016, 10, 7216-7224.	7.3	480
29	Wearable Microsensor Array for Multiplexed Heavy Metal Monitoring of Body Fluids. ACS Sensors, 2016, 1, 866-874.	4.0	297
30	Application of 3D Printing for Smart Objects with Embedded Electronic Sensors and Systems. Advanced Materials Technologies, 2016, 1, 1600013.	3.0	167
31	Printed Carbon Nanotube Electronics and Sensor Systems. Advanced Materials, 2016, 28, 4397-4414.	11.1	369
32	Fully integrated wearable sensor arrays for multiplexed in situ perspiration analysis. Nature, 2016, 529, 509-514.	13.7	3,508
33	Portable cytometry using microscale electronic sensing. Sensors and Actuators B: Chemical, 2016, 224, 275-281.	4.0	22
34	Tunable control of antibody immobilization using electric field. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1995-1999.	3.3	39
35	Extraction of Signal from Noise: Impedance Cytometry Using Multi-electrode Sensing. IEEE Sensors Journal, 2015, , 1-1.	2.4	3
36	Multiplexed actuation using ultra dielectrophoresis for proteomics applications: a comprehensive electrical and electrothermal design methodology. Lab on A Chip, 2014, 14, 2105-2114.	3.1	9

#	ARTICLE	IF	CITATIONS
37	Microfluidic diagnostic tool for the developing world: contactless impedance flow cytometry. Lab on A Chip, 2012, 12, 4499.	3.1	59
38	Smart Surface for Elution of Protein-Bound Particles: Nanonewton Dielectrophoretic Forces Using Atomic Layer Deposited Oxides. Analytical Chemistry, 2012, 84, 10793-10801.	3.2	15
39	Use of Negative Dielectrophoresis for Selective Elution of Protein-Bound Particles. Analytical Chemistry, 2012, 84, 1432-1438.	3.2	33