

Jose L Garcia-Cordero

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,806
citations

331670

21
h-index

454955

30
g-index

41
all docs

41
docs citations

41
times ranked

3101
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic tools to study cell migration. , 2022, , 273-293.		0
2	A high-throughput multiplexed microfluidic device for COVID-19 serology assays. Lab on A Chip, 2021, 21, 93-104.	6.0	53
3	Myo1g is required for efficient adhesion and migration of activated B lymphocytes to inguinal lymph nodes. Scientific Reports, 2021, 11, 7197.	3.3	7
4	Integrated Microfluidic Device for Functional Secretary Immunophenotyping of Immune Cells. ACS Sensors, 2020, 5, 353-361.	7.8	22
5	Microfluidic systems for cancer diagnostics. Current Opinion in Biotechnology, 2020, 65, 37-44.	6.6	71
6	An affordable 3D-printed positioner fixture improves the resolution of conventional milling for easy prototyping of acrylic microfluidic devices. Lab on A Chip, 2020, 20, 3179-3186.	6.0	6
7	A versatile microfluidic device for multiple ex vivo/in vitro tissue assays unrestrained from tissue topography. Microsystems and Nanoengineering, 2020, 6, 40.	7.0	7
8	Optofluidic gratings used in refractometers. , 2020, , .		0
9	Birefringent optofluidic gratings. Optics Express, 2020, 28, 31729.	3.4	1
10	Facile assembly of an affordable miniature multicolor fluorescence microscope made of 3D-printed parts enables detection of single cells. PLoS ONE, 2019, 14, e0215114.	2.5	27
11	A Microfluidic System Combining Valve Automation and Spheroid Cultures to Characterize Hepatic Glucose Metabolism During Hormonal Stimulation. , 2019, , .		1
12	Automated Droplet-Based Microfluidic Platform for Multiplexed Analysis of Biochemical Markers in Small Volumes. Analytical Chemistry, 2019, 91, 5133-5141.	6.5	37
13	Liquid refractive index measured through a refractometer based on diffraction gratings. Optics Express, 2019, 27, 34705.	3.4	6
14	An Affordable and Portable Thermocycler for Real-Time PCR Made of 3D-Printed Parts and Off-the-Shelf Electronics. Analytical Chemistry, 2018, 90, 5563-5568.	6.5	50
15	Pressure-actuated monolithic acrylic microfluidic valves and pumps. Lab on A Chip, 2018, 18, 662-669.	6.0	23
16	Dynamic Generation of Concentration- and Temporal-Dependent Chemical Signals in an Integrated Microfluidic Device for Single-Cell Analysis. Analytical Chemistry, 2018, 90, 8331-8336.	6.5	23
17	Massive Parallel Analysis of Single Cells in an Integrated Microfluidic Platform. Analytical Chemistry, 2017, 89, 5210-5220.	6.5	21
18	Waste-to-energy conversion from a microfluidic device. Journal of Power Sources, 2017, 360, 80-86.	7.8	11

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19	Sessile droplets for chemical and biological assays. Lab on A Chip, 2017, 17, 2150-2166.	6.0	108
20	Simple scaling laws for the evaporation of droplets pinned on pillars: Transfer-rate- and diffusion-limited regimes. Physical Review E, 2017, 96, 062803.	2.1	3
21	Evaporation-Driven Bioassays in Suspended Droplets. Analytical Chemistry, 2016, 88, 7312-7317.	6.5	57
22	3D-printing of transparent bio-microfluidic devices in PEG-DA. Lab on A Chip, 2016, 16, 2287-2294.	6.0	216
23	A low-cost 3-D printed stethoscope connected to a smartphone. , 2016, 2016, 4365-4368.		21
24	Mechanically Induced Trapping of Molecular Interactions and Its Applications. Journal of the Association for Laboratory Automation, 2016, 21, 356-367.	2.8	16
25	A Microfluidic Platform for High-Throughput Multiplexed Protein Quantitation. PLoS ONE, 2015, 10, e0117744.	2.5	35
26	Lab-on-a-Chip (General Philosophy). , 2015, , 1501-1511.		0
27	LSPR Chip for Parallel, Rapid, and Sensitive Detection of Cancer Markers in Serum. Nano Letters, 2014, 14, 2636-2641.	9.1	262
28	A 1024-sample serum analyzer chip for cancer diagnostics. Lab on A Chip, 2014, 14, 2642-2650.	6.0	44
29	Multiplexed surface micropatterning of proteins with a pressure-modulated microfluidic button-membrane. Chemical Communications, 2013, 49, 1264-1266.	4.1	22
30	A high-throughput nanoimmunoassay chip applied to large-scale vaccine adjuvant screening. Integrative Biology (United Kingdom), 2013, 5, 650-658.	1.3	46
31	Stand-alone self-powered integrated microfluidic blood analysis system (SIMBAS). Lab on A Chip, 2011, 11, 845-850.	6.0	304
32	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. Microfluidics and Nanofluidics, 2010, 9, 695-703.	2.2	27
33	Microfluidic sedimentation cytometer for milk quality and bovine mastitis monitoring. Biomedical Microdevices, 2010, 12, 1051-1059.	2.8	35
34	Optically addressable single-use microfluidic valves by laser printer lithography. Lab on A Chip, 2010, 10, 2680.	6.0	93
35	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. , 2009, , .		1
36	Monolithic Centrifugal Microfluidic Platform for Bacteria Capture and Concentration, Lysis, Nucleic-Acid Amplification, and Real-Time Detection. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Low-Cost Microfluidic Single-Use Valves and On-Board Reagent Storage using Laser-Printer Technology. , 2009, , .		7
38	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. Lab on A Chip, 2008, 8, 2071.	6.0	135
39	Lab-on-a-Chip (General Philosophy). , 2008, , 962-969.		4