

Cesar M Castro

List of Publications by Year in descending order

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56
papers

5,006
citations

293460

24
h-index

232693

48
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59
all docs

59
docs citations

59
times ranked

8505
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Optics for Point-of-Care Breast Cancer Profiling. <i>Methods in Molecular Biology</i> , 2022, 2393, 153-162.	0.4	0
2	Characterization and modulation of surface charges to enhance extracellular vesicle isolation in plasma. <i>Theranostics</i> , 2022, 12, 1988-1998.	4.6	23
3	Hydrogel Stamping for Rapid, Multiplexed, Point-of-Care Immunostaining of Cells and Tissues. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27613-27622.	4.0	7
4	Impact of Community-Based Clinical Breast Examinations in Botswana. <i>JCO Global Oncology</i> , 2021, 7, 17-26.	0.8	5
5	Addressing cervical cancer screening disparities through advances in artificial intelligence and nanotechnologies for cellular profiling. <i>Biophysics Reviews</i> , 2021, 2, 011303.	1.0	2
6	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , 2021, 5, 678-689.	11.6	90
7	Population exposure-efficacy and exposure-safety analyses for rucaparib in patients with recurrent ovarian carcinoma from Study 10 and ARIEL2. <i>Gynecologic Oncology</i> , 2021, 161, 668-675.	0.6	7
8	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. <i>Science Translational Medicine</i> , 2021, 13, eabe2352.	5.8	12
9	CytoPANâ€”Portable cellular analyses for rapid point-of-care cancer diagnosis. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	21
10	Beadâ€”Based Extracellular Vesicle Analysis Using Flow Cytometry. <i>Advanced Biology</i> , 2020, 4, 2000203.	3.0	15
11	Plasmonic Sensors for Extracellular Vesicle Analysis: From Scientific Development to Translational Research. <i>ACS Nano</i> , 2020, 14, 14528-14548.	7.3	69
12	Phase Ib study of mirvetuximab soravtansine, a folate receptor alpha (FR α)-targeting antibody-drug conjugate (ADC), in combination with bevacizumab in patients with platinum-resistant ovarian cancer. <i>Gynecologic Oncology</i> , 2020, 157, 379-385.	0.6	89
13	Assessment of Combined Nivolumab and Bevacizumab in Relapsed Ovarian Cancer. <i>JAMA Oncology</i> , 2019, 5, 1731.	3.4	150
14	Compact and Filter-Free Luminescence Biosensor for Mobile <i>in Vitro</i> Diagnoses. <i>ACS Nano</i> , 2019, 13, 11698-11706.	7.3	22
15	Thermophoretically enriched detection. <i>Nature Biomedical Engineering</i> , 2019, 3, 163-164.	11.6	7
16	Point-of-care cervical cancer screening using deep learning-based microholography. <i>Theranostics</i> , 2019, 9, 8438-8447.	4.6	12
17	Multichannel digital heteronuclear magnetic resonance biosensor. <i>Biosensors and Bioelectronics</i> , 2019, 126, 240-248.	5.3	25
18	New Technologies for Analysis of Extracellular Vesicles. <i>Chemical Reviews</i> , 2018, 118, 1917-1950.	23.0	1,041

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19	Integrated Biosensor for Rapid and Point-of-Care Sepsis Diagnosis. ACS Nano, 2018, 12, 3378-3384.	7.3	122
20	Analyses of Intravesicular Exosomal Proteins Using a Nano-Plasmonic System. ACS Photonics, 2018, 5, 487-494.	3.2	55
21	Deep transfer learning-based hologram classification for molecular diagnostics. Scientific Reports, 2018, 8, 17003.	1.6	48
22	Design and clinical validation of a point-of-care device for the diagnosis of lymphoma via contrast-enhanced microholography and machine learning. Nature Biomedical Engineering, 2018, 2, 666-674.	11.6	55
23	Computational Optics Enables Breast Cancer Profiling in Point-of-Care Settings. ACS Nano, 2018, 12, 9081-9090.	7.3	26
24	Nanotechnology Platforms for Cancer Exosome Analyses. , 2018, , 119-128.		1
25	Facile silicification of plastic surface for bioassays. Chemical Communications, 2017, 53, 2134-2137.	2.2	7
26	Multiparametric plasma EV profiling facilitates diagnosis of pancreatic malignancy. Science Translational Medicine, 2017, 9, .	5.8	211
27	Integrated microHall magnetometer to measure the magnetic properties of nanoparticles. Lab on A Chip, 2017, 17, 4000-4007.	3.1	13
28	Characterization of Extracellular Vesicles by Surface Plasmon Resonance. Methods in Molecular Biology, 2017, 1660, 133-141.	0.4	13
29	Antitumor activity and safety of the PARP inhibitor rucaparib in patients with high-grade ovarian carcinoma and a germline or somatic BRCA1 or BRCA2 mutation: Integrated analysis of data from Study 10 and ARIEL2. Gynecologic Oncology, 2017, 147, 267-275.	0.6	222
30	Novel nanosensing technologies for exosome detection and profiling. Lab on A Chip, 2017, 17, 2892-2898.	3.1	71
31	Good to the last "emulsified" drop. Science Translational Medicine, 2017, 9, .	5.8	0
32	Holographic Assessment of Lymphoma Tissue (HALT) for Global Oncology Field Applications. Theranostics, 2016, 6, 1603-1610.	4.6	12
33	CD44 Splice Variant v8-10 as a Marker of Serous Ovarian Cancer Prognosis. PLoS ONE, 2016, 11, e0156595.	1.1	38
34	Rapid identification of health care-associated infections with an integrated fluorescence anisotropy system. Science Advances, 2016, 2, e1600300.	4.7	44
35	Challenges influencing next generation technologies for precision medicine. Expert Review of Precision Medicine and Drug Development, 2016, 1, 121-123.	0.4	2
36	Integrated Magneto-Electrochemical Sensor for Exosome Analysis. ACS Nano, 2016, 10, 1802-1809.	7.3	372

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37	Digital diffraction detection of protein markers for avian influenza. Lab on A Chip, 2016, 16, 1340-1345.	3.1	11
38	Imaging tumor pH-ysiology with smart contrast agents. Science Translational Medicine, 2016, 8, .	5.8	1
39	Taking cancer drug screening very personally. Science Translational Medicine, 2016, 8, 367ec190.	5.8	1
40	Repurposing exosomes: The (magnetic) force awakens. Science Translational Medicine, 2016, 8, .	5.8	0
41	Extra! Extra! Microfluidic chips go to print. Science Translational Medicine, 2016, 8, .	5.8	0
42	AC/DC: Portable diagnostics face the music. Science Translational Medicine, 2016, 8, .	5.8	0
43	Bugging cancer with guided swarming. Science Translational Medicine, 2016, 8, .	5.8	0
44	Lather, rinse, repeat for giant results. Science Translational Medicine, 2016, 8, .	5.8	0
45	On Chip Analysis of CNS Lymphoma in Cerebrospinal Fluid. Theranostics, 2015, 5, 796-804.	4.6	12
46	Exploring alternative ovarian cancer biomarkers using innovative nanotechnology strategies. Cancer and Metastasis Reviews, 2015, 34, 75-82.	2.7	8
47	AAV9 delivering a modified human Mullerian inhibiting substance as a gene therapy in patient-derived xenografts of ovarian cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4418-27.	3.3	45
48	Digital diffraction analysis enables low-cost molecular diagnostics on a smartphone. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5613-5618.	3.3	80
49	Miniaturized nuclear magnetic resonance platform for detection and profiling of circulating tumor cells. Lab on A Chip, 2014, 14, 14-23.	3.1	70
50	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. Nature Biotechnology, 2014, 32, 490-495.	9.4	1,060
51	Molecular characterization of scant lung tumor cells using iron-oxide nanoparticles and micro-nuclear magnetic resonance. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 661-668.	1.7	35
52	A magneto-DNA nanoparticle system for rapid detection and phenotyping of bacteria. Nature Nanotechnology, 2013, 8, 369-375.	15.6	307
53	Comparison of select cancer biomarkers in human circulating and bulk tumor cells using magnetic nanoparticles and a miniaturized micro-NMR system. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1009-1017.	1.7	40
54	Ultrasensitive Clinical Enumeration of Rare Cells ex Vivo Using a Micro-Hall Detector. Science Translational Medicine, 2012, 4, 141ra92.	5.8	211

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55	Micro-NMR for Rapid Molecular Analysis of Human Tumor Samples. <i>Science Translational Medicine</i> , 2011, 3, 71ra16.	5.8	191
56	Complementary, Alternative, Integrative, or Unconventional Medicine?. <i>Oncologist</i> , 2001, 6, 463-473.	1.9	24