

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
g-index

59
all docs

59
docs citations

59
times ranked

8505
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. <i>Nature Biotechnology</i> , 2014, 32, 490-495.	9.4	1,060
2	New Technologies for Analysis of Extracellular Vesicles. <i>Chemical Reviews</i> , 2018, 118, 1917-1950.	23.0	1,041
3	Integrated Magneto-Electrochemical Sensor for Exosome Analysis. <i>ACS Nano</i> , 2016, 10, 1802-1809.	7.3	372
4	A magneto-DNA nanoparticle system for rapid detection and phenotyping of bacteria. <i>Nature Nanotechnology</i> , 2013, 8, 369-375.	15.6	307
5	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. <i>Gynecologic Oncology</i> , 2017, 147, 267-275.	0.6	222
6	Ultrasensitive Clinical Enumeration of Rare Cells ex Vivo Using a Micro-Hall Detector. <i>Science Translational Medicine</i> , 2012, 4, 141ra92.	5.8	211
7	Multiparametric plasma EV profiling facilitates diagnosis of pancreatic malignancy. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	211
8	Micro-NMR for Rapid Molecular Analysis of Human Tumor Samples. <i>Science Translational Medicine</i> , 2011, 3, 71ra16.	5.8	191
9	Assessment of Combined Nivolumab and Bevacizumab in Relapsed Ovarian Cancer. <i>JAMA Oncology</i> , 2019, 5, 1731.	3.4	150
10	Integrated Biosensor for Rapid and Point-of-Care Sepsis Diagnosis. <i>ACS Nano</i> , 2018, 12, 3378-3384.	7.3	122
11	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
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	Digital diffraction analysis enables low-cost molecular diagnostics on a smartphone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5613-5618.	3.3	80
14	Novel nanosensing technologies for exosome detection and profiling. <i>Lab on A Chip</i> , 2017, 17, 2892-2898.	3.1	71
15	Miniaturized nuclear magnetic resonance platform for detection and profiling of circulating tumor cells. <i>Lab on A Chip</i> , 2014, 14, 14-23.	3.1	70
16	Plasmonic Sensors for Extracellular Vesicle Analysis: From Scientific Development to Translational Research. <i>ACS Nano</i> , 2020, 14, 14528-14548.	7.3	69
17	Analyses of Intravesicular Exosomal Proteins Using a Nano-Plasmonic System. <i>ACS Photonics</i> , 2018, 5, 487-494.	3.2	55
18	Design and clinical validation of a point-of-care device for the diagnosis of lymphoma via contrast-enhanced microholography and machine learning. <i>Nature Biomedical Engineering</i> , 2018, 2, 666-674.	11.6	55

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19	Deep transfer learning-based hologram classification for molecular diagnostics. <i>Scientific Reports</i> , 2018, 8, 17003.	1.6	48
20	AAV9 delivering a modified human Mullerian inhibiting substance as a gene therapy in patient-derived xenografts of ovarian cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4418-27.	3.3	45
21	Rapid identification of health care-associated infections with an integrated fluorescence anisotropy system. <i>Science Advances</i> , 2016, 2, e1600300.	4.7	44
22	Comparison of select cancer biomarkers in human circulating and bulk tumor cells using magnetic nanoparticles and a miniaturized micro-NMR system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1009-1017.	1.7	40
23	CD44 Splice Variant v8-10 as a Marker of Serous Ovarian Cancer Prognosis. <i>PLoS ONE</i> , 2016, 11, e0156595.	1.1	38
24	Molecular characterization of scant lung tumor cells using iron-oxide nanoparticles and micro-nuclear magnetic resonance. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 661-668.	1.7	35
25	Computational Optics Enables Breast Cancer Profiling in Point-of-Care Settings. <i>ACS Nano</i> , 2018, 12, 9081-9090.	7.3	26
26	Multichannel digital heteronuclear magnetic resonance biosensor. <i>Biosensors and Bioelectronics</i> , 2019, 126, 240-248.	5.3	25
27	Complementary, Alternative, Integrative, or Unconventional Medicine?. <i>Oncologist</i> , 2001, 6, 463-473.	1.9	24
28	Characterization and modulation of surface charges to enhance extracellular vesicle isolation in plasma. <i>Theranostics</i> , 2022, 12, 1988-1998.	4.6	23
29	Compact and Filter-Free Luminescence Biosensor for Mobile <i>in Vitro</i> Diagnoses. <i>ACS Nano</i> , 2019, 13, 11698-11706.	7.3	22
30	CytoPAN—Portable cellular analyses for rapid point-of-care cancer diagnosis. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	21
31	Bead-Based Extracellular Vesicle Analysis Using Flow Cytometry. <i>Advanced Biology</i> , 2020, 4, 2000203.	3.0	15
32	Integrated microHall magnetometer to measure the magnetic properties of nanoparticles. <i>Lab on A Chip</i> , 2017, 17, 4000-4007.	3.1	13
33	Characterization of Extracellular Vesicles by Surface Plasmon Resonance. <i>Methods in Molecular Biology</i> , 2017, 1660, 133-141.	0.4	13
34	On Chip Analysis of CNS Lymphoma in Cerebrospinal Fluid. <i>Theranostics</i> , 2015, 5, 796-804.	4.6	12
35	Holographic Assessment of Lymphoma Tissue (HALT) for Global Oncology Field Applications. <i>Theranostics</i> , 2016, 6, 1603-1610.	4.6	12
36	Point-of-care cervical cancer screening using deep learning-based microholography. <i>Theranostics</i> , 2019, 9, 8438-8447.	4.6	12

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37	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. <i>Science Translational Medicine</i> , 2021, 13, eabe2352.	5.8	12
38	Digital diffraction detection of protein markers for avian influenza. <i>Lab on A Chip</i> , 2016, 16, 1340-1345.	3.1	11
39	Exploring alternative ovarian cancer biomarkers using innovative nanotechnology strategies. <i>Cancer and Metastasis Reviews</i> , 2015, 34, 75-82.	2.7	8
40	Facile silicification of plastic surface for bioassays. <i>Chemical Communications</i> , 2017, 53, 2134-2137.	2.2	7
41	Thermophoretically enriched detection. <i>Nature Biomedical Engineering</i> , 2019, 3, 163-164.	11.6	7
42	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
43	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
44	Impact of Community-Based Clinical Breast Examinations in Botswana. <i>JCO Global Oncology</i> , 2021, 7, 17-26.	0.8	5
45	Challenges influencing next generation technologies for precision medicine. <i>Expert Review of Precision Medicine and Drug Development</i> , 2016, 1, 121-123.	0.4	2
46	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
47	Nanotechnology Platforms for Cancer Exosome Analyses. , 2018, , 119-128.		1
48	Imaging tumor pH-ysiology with smart contrast agents. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	1
49	Taking cancer drug screening very personally. <i>Science Translational Medicine</i> , 2016, 8, 367ec190.	5.8	1
50	Repurposing exosomes: The (magnetic) force awakens. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	0
51	Extra! Extra! Microfluidic chips go to print. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	0
52	AC/DC: Portable diagnostics face the music. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	0
53	Bugging cancer with guided swarming. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	0
54	Lather, rinse, repeat for giant results. <i>Science Translational Medicine</i> , 2016, 8, .	5.8	0

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55	Good to the last "emulsified" drop. Science Translational Medicine, 2017, 9, .	5.8	0
56	Computational Optics for Point-of-Care Breast Cancer Profiling. Methods in Molecular Biology, 2022, 2393, 153-162.	0.4	0