

Lance Liotta

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,756
citations

172457

29
h-index

133252

59
g-index

82
all docs

82
docs citations

82
times ranked

5264
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiotherapy alters expression of molecular targets in prostate cancer in a fractionation- and time-dependent manner. <i>Scientific Reports</i> , 2022, 12, 3500.	3.3	4
2	Development of a hybrid alphavirus-SARS-CoV-2 pseudovirion for rapid quantification of neutralization antibodies and antiviral drugs. <i>Cell Reports Methods</i> , 2022, 2, 100181.	2.9	9
3	Effects of HER Family-targeting Tyrosine Kinase Inhibitors on Antibody-dependent Cell-mediated Cytotoxicity in HER2-expressing Breast Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 807-818.	7.0	34
4	Frequent post-operative monitoring of colorectal cancer using individualised ctDNA validated by multiregional molecular profiling. <i>British Journal of Cancer</i> , 2021, 124, 1556-1565.	6.4	9
5	Durability of Viral Neutralization in Asymptomatic Coronavirus Disease 2019 for at Least 60 Days. <i>Journal of Infectious Diseases</i> , 2021, 223, 1677-1680.	4.0	4
6	Seropositivity of COVID-19 among asymptomatic healthcare workers: A multi-site prospective cohort study from Northern Virginia, United States. <i>The Lancet Regional Health Americas</i> , 2021, 2, 100030.	2.6	10
7	PD-L1 quantification across tumor types using the reverse phase protein microarray: implications for precision medicine. , 2021, 9, e002179.		6
8	Shotgun proteomics coupled to nanoparticle-based biomarker enrichment reveals a novel panel of extracellular matrix proteins as candidate serum protein biomarkers for early-stage breast cancer detection. <i>Breast Cancer Research</i> , 2020, 22, 135.	5.0	14
9	A Randomized Phase II Preoperative Study of Autophagy Inhibition with High-Dose Hydroxychloroquine and Gemcitabine/Nab-Paclitaxel in Pancreatic Cancer Patients. <i>Clinical Cancer Research</i> , 2020, 26, 3126-3134.	7.0	133
10	<p>Tumor-Draining Lymph Secretome En Route to the Regional Lymph Node in Breast Cancer Metastasis</p>. <i>Breast Cancer: Targets and Therapy</i> , 2020, Volume 12, 57-67.	1.8	4
11	Proteomic analysis reveals pathogen-derived biomarkers of acute babesiosis in erythrocytes, plasma, and urine of infected hamsters. <i>Parasitology Research</i> , 2020, 119, 2227-2235.	1.6	7
12	An Omics Approach to Extracellular Vesicles from HIV-1 Infected Cells. <i>Cells</i> , 2019, 8, 787.	4.1	15
13	Next-Generation Techniques for Determination of Protein-Protein Interactions: Beyond the Crystal Structure. <i>Current Pathobiology Reports</i> , 2019, 7, 61-71.	3.4	2
14	The Sustained Induction of c-MYC Drives Nab-Paclitaxel Resistance in Primary Pancreatic Ductal Carcinoma Cells. <i>Molecular Cancer Research</i> , 2019, 17, 1815-1827.	3.4	40
15	Protein painting, an optimized MS-based technique, reveals functionally relevant interfaces of the PD-1/PD-L1 complex and the YAP2/ZO-1 complex. <i>Journal of Biological Chemistry</i> , 2019, 294, 11180-11198.	3.4	14
16	Different measures of HMGB1 location in cancer immunology. <i>Methods in Enzymology</i> , 2019, 629, 195-217.	1.0	11
17	Analysis of the Babesia microti proteome in infected red blood cells by a combination of nanotechnology and mass spectrometry. <i>International Journal for Parasitology</i> , 2019, 49, 139-144.	3.1	18
18	Unlocking bone for proteomic analysis and FISH. <i>Laboratory Investigation</i> , 2019, 99, 708-721.	3.7	5

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19	Stromal TRIM28-associated signaling pathway modulation within the colorectal cancer microenvironment. <i>Journal of Translational Medicine</i> , 2018, 16, 89.	4.4	8
20	Exploiting Radiation-Induced Signaling to Increase the Susceptibility of Resistant Cancer Cells to Targeted Drugs: AKT and mTOR Inhibitors as an Example. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 355-367.	4.1	27
21	Combination Kinase Inhibitor Treatment Suppresses Rift Valley Fever Virus Replication. <i>Viruses</i> , 2018, 10, 191.	3.3	4
22	Toward detection of toxoplasmosis from urine in mice using hydro-gel nanoparticles concentration and parallel reaction monitoring mass spectrometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 461-469.	3.3	5
23	Rapamycin modulation of p70 S6 kinase signaling inhibits Rift Valley fever virus pathogenesis. <i>Antiviral Research</i> , 2017, 143, 162-175.	4.1	17
24	IL-1 Family Cytokines Use Distinct Molecular Mechanisms to Signal through Their Shared Co-receptor. <i>Immunity</i> , 2017, 47, 510-523.e4.	14.3	48
25	Potential anti-cancer activity of 7- O -pentyl quercetin: Efficient, membrane-targeted kinase inhibition and pro-oxidant effect. <i>Pharmacological Research</i> , 2017, 124, 9-19.	7.1	10
26	Urine lipoarabinomannan glycan in HIV-negative patients with pulmonary tuberculosis correlates with disease severity. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	88
27	Protein drug target activation homogeneity in the face of intra-tumor heterogeneity: implications for precision medicine. <i>Oncotarget</i> , 2017, 8, 48534-48544.	1.8	7
28	D3D augmented reality imaging system: proof of concept in mammography. <i>Medical Devices: Evidence and Research</i> , 2016, Volume 9, 277-283.	0.8	6
29	A pilot study exploring the molecular architecture of the tumor microenvironment in human prostate cancer using laser capture microdissection and reverse phase protein microarray. <i>Molecular Oncology</i> , 2016, 10, 1585-1594.	4.6	21
30	PMCA2 regulates HER2 protein kinase localization and signaling and promotes HER2-mediated breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E282-90.	7.1	70
31	Use of a Chagas Urine Nanoparticle Test (Chunap) to Correlate with Parasitemia Levels in T. cruzi/HIV Co-infected Patients. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004407.	3.0	23
32	Augmented Reality Imaging System: 3D Viewing of a Breast Cancer. <i>Journal of Nature and Science</i> , 2016, 2, .	1.1	1
33	High CerS5 expression levels associate with reduced patient survival and transition from apoptotic to autophagy signalling pathways in colorectal cancer. <i>Journal of Pathology: Clinical Research</i> , 2015, 1, 54-65.	3.0	27
34	Chemokine-Releasing Nanoparticles for Manipulation of the Lymph Node Microenvironment. <i>Nanomaterials</i> , 2015, 5, 298-320.	4.1	10
35	Unlocking the secrets to proteinâ€™protein interface drug targets using structural mass spectrometry techniques. <i>Expert Review of Proteomics</i> , 2015, 12, 457-467.	3.0	15
36	The Use of Nanotrap Particles Technology in Capturing HIV-1 Virions and Viral Proteins from Infected Cells. <i>PLoS ONE</i> , 2014, 9, e96778.	2.5	55

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37	Use of a Novel Chagas Urine Nanoparticle Test (Chunap) for Diagnosis of Congenital Chagas Disease. PLoS Neglected Tropical Diseases, 2014, 8, e3211.	3.0	38
38	Realizing the Promise of Reverse Phase Protein Arrays for Clinical, Translational, and Basic Research: A Workshop Report. Molecular and Cellular Proteomics, 2014, 13, 1625-1643.	3.8	152
39	Reactive oxygen species activate NF κ B (p65) and p53 and induce apoptosis in RVFV infected liver cells. Virology, 2014, 449, 270-286.	2.4	71
40	The use of Nanotrap particles for biodefense and emerging infectious disease diagnostics. Pathogens and Disease, 2014, 71, 164-176.	2.0	30
41	Stratification of clear cell renal cell carcinoma by signaling pathway analysis. Expert Review of Proteomics, 2014, 11, 237-249.	3.0	9
42	Whole Proteome Analysis of Mouse Lymph Nodes in Cutaneous Anthrax. PLoS ONE, 2014, 9, e110873.	2.5	10
43	Analysis of urinary human growth hormone (hGH) using hydrogel nanoparticles and isoform differential immunoassays after short recombinant hGH treatment: Preliminary results. Journal of Pharmaceutical and Biomedical Analysis, 2013, 85, 194-197.	2.8	14
44	Protein pathway activation mapping of colorectal metastatic progression reveals metastasis-specific network alterations. Clinical and Experimental Metastasis, 2013, 30, 309-316.	3.3	20
45	Functional Protein Pathway Activation Mapping of the Progression of Normal Skin to Squamous Cell Carcinoma. Cancer Prevention Research, 2012, 5, 403-413.	1.5	83
46	A Pilot Characterization of Human Lung NSCLC by Protein Pathway Activation Mapping. Journal of Thoracic Oncology, 2012, 7, 1755-1766.	1.1	28
47	Multiplexed Protein Signal Pathway Mapping Identifies Patients With Rectal Cancer That Responds to Neoadjuvant Treatment. Clinical Colorectal Cancer, 2012, 11, 268-274.	2.3	6
48	Improved data normalization methods for reverse phase protein microarray analysis of complex biological samples. BioTechniques, 2012, 0, 1-7.	1.8	27
49	Circulating CLL Cells Expressing CD49d Display a Phospho-Proteomic Profile Consistent with a Constitutive Receptor Engagement by Blood-Borne Ligands. Blood, 2012, 120, 930-930.	1.4	0
50	Protein Pathway Activation Associated with Sustained Virologic Response in Patients with Chronic Hepatitis C Treated with Pegylated Interferon (PEG-IFN) and Ribavirin (RBV). Journal of Proteome Research, 2011, 10, 774-779.	3.7	10
51	Proteomic and Genomic Profile of High-Risk MDS After Treatment with 5-Azacytidine. Blood, 2011, 118, 3818-3818.	1.4	4
52	Investigation of the Ovarian and Prostate Cancer Peptidome for Candidate Early Detection Markers Using a Novel Nanoparticle Biomarker Capture Technology. AAPS Journal, 2010, 12, 504-518.	4.4	51
53	Functional Protein Network Activation Mapping Reveals New Potential Molecular Drug Targets for Poor Prognosis Pediatric BCP-ALL. PLoS ONE, 2010, 5, e13552.	2.5	42
54	Reverse-Phase Phosphoproteome Analysis of Signaling Pathways Induced by Rift Valley Fever Virus in Human Small Airway Epithelial Cells. PLoS ONE, 2010, 5, e13805.	2.5	49

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55	Serotonin Dysregulation Correlates with Both Bone and Active Disease In Multiple Myeloma. <i>Blood</i> , 2010, 116, 1920-1920.	1.4	0
56	Improved reproducibility of reverse-phase protein microarrays using array microenvironment normalization. <i>Proteomics</i> , 2009, 9, 5562-5566.	2.2	31
57	Anthrax infection inhibits the AKT signaling involved in the E-cadherin-mediated adhesion of lung epithelial cells. <i>FEMS Immunology and Medical Microbiology</i> , 2009, 56, 129-142.	2.7	23
58	Multiplexed Cell Signaling Analysis of Metastatic and Nonmetastatic Colorectal Cancer Reveals COX2-EGFR Signaling Activation as a Potential Prognostic Pathway Biomarker. <i>Clinical Colorectal Cancer</i> , 2009, 8, 110-117.	2.3	49
59	Discovery of Infectious Disease Biomarkers in Murine Anthrax Model Using Mass Spectrometry of the Low-Molecular-Mass Serum Proteome. <i>Journal of Proteomics and Bioinformatics</i> , 2009, 02, 408-415.	0.4	5
60	Combination of SELDI-TOF-MS and Data Mining Provides Early-stage Response Prediction for Rectal Tumors Undergoing Multimodal Neoadjuvant Therapy. <i>Annals of Surgery</i> , 2007, 245, 259-266.	4.2	65
61	Transcript and protein expression profiles of the NCI-60 cancer cell panel: an integromic microarray study. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 820-832.	4.1	289
62	Role of proteomics in personalized medicine. <i>Personalized Medicine</i> , 2006, 3, 223-226.	1.5	2
63	Discovering Clinical Biomarkers of Ionizing Radiation Exposure with Serum Proteomic Analysis. <i>Cancer Research</i> , 2006, 66, 1844-1850.	0.9	105
64	Proteomics of breast cancer. , 2006, , 101-113.		0
65	A nondestructive molecule extraction method allowing morphological and molecular analyses using a single tissue section. <i>Laboratory Investigation</i> , 2005, 85, 1416-1428.	3.7	64
66	SELDI-TOF mass spectrometry for cancer biomarker discovery and serum proteomic diagnostics. <i>Pharmacogenomics</i> , 2005, 6, 647-653.	1.3	45
67	Kinase substrate protein microarray analysis of human colon cancer and hepatic metastasis. <i>Clinica Chimica Acta</i> , 2005, 357, 180-183.	1.1	37
68	Adipocyte-derived collagen VI affects early mammary tumor progression in vivo, demonstrating a critical interaction in the tumor/stroma microenvironment. <i>Journal of Clinical Investigation</i> , 2005, 115, 1163-1176.	8.2	338
69	Proteomic Analysis of Surrogate Tissues. , 2005, , 93-107.		1
70	Genomic and proteomic technologies for individualisation and improvement of cancer treatment. <i>European Journal of Cancer</i> , 2004, 40, 2623-2632.	2.8	86
71	Cancer diagnosis using proteomic patterns. <i>Expert Review of Molecular Diagnostics</i> , 2003, 3, 411-420.	3.1	145
72	Molecular profiling of human cancer. <i>Nature Reviews Genetics</i> , 2000, 1, 48-56.	16.3	404

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73	Molecular cytogenetic fingerprinting of esophageal squamous cell carcinoma by comparative genomic hybridization reveals a consistent pattern of chromosomal alterations. , 1999, 25, 160-168.		118
74	Distribution of the 72-kd type IV collagenase in nonneoplastic and neoplastic thyroid tissue. Human Pathology, 1992, 23, 1395-1401.	2.0	107
75	Cytokine-induced pseudopodial protrusion is coupled to tumour cell migration. Nature, 1987, 329, 261-263.	27.8	145
76	Adult Human Keratinocytes Migrating over Nonviable Dermal Collagen Produce Collagenolytic Enzymes That Degrade Type I and Type IV Collagen. Journal of Investigative Dermatology, 1986, 86, 418-423.	0.7	96
77	Angiogenesis: Isolation of a protein that stimulates blood vessel growth. Nature, 1985, 318, 14-14.	27.8	9
78	Basement Membrane Production by Hepatocytes in Chronic Liver Disease. Hepatology, 1984, 4, 1167-1172.	7.3	89
79	Interaction of fibronectin with C1q and its collagen-like fragment (CLF). FEBS Letters, 1981, 129, 188-192.	2.8	74
80	Identification of Functional Tumor Vessels by Resorcin-Crystal Violet Stain Infusion. Biotechnic & Histochemistry, 1976, 51, 99-102.	0.4	2