

# 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	Molecular profiling of human cancer. <i>Nature Reviews Genetics</i> , 2000, 1, 48-56.	16.3	404
2	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
3	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
4	Realizing the Promise of Reverse Phase Protein Arrays for Clinical, Translational, and Basic Research: A Workshop Report. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1625-1643.	3.8	152
5	Cytokine-induced pseudopodial protrusion is coupled to tumour cell migration. <i>Nature</i> , 1987, 329, 261-263.	27.8	145
6	Cancer diagnosis using proteomic patterns. <i>Expert Review of Molecular Diagnostics</i> , 2003, 3, 411-420.	3.1	145
7	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
8	Molecular cytogenetic fingerprinting of esophageal squamous cell carcinoma by comparative genomic hybridization reveals a consistent pattern of chromosomal alterations. , 1999, 25, 160-168.		118
9	Distribution of the 72-kd type IV collagenase in nonneoplastic and neoplastic thyroid tissue. <i>Human Pathology</i> , 1992, 23, 1395-1401.	2.0	107
10	Discovering Clinical Biomarkers of Ionizing Radiation Exposure with Serum Proteomic Analysis. <i>Cancer Research</i> , 2006, 66, 1844-1850.	0.9	105
11	Adult Human Keratinocytes Migrating over Nonviable Dermal Collagen Produce Collagenolytic Enzymes That Degrade Type I and Type IV Collagen. <i>Journal of Investigative Dermatology</i> , 1986, 86, 418-423.	0.7	96
12	Basement Membrane Production by Hepatocytes in Chronic Liver Disease. <i>Hepatology</i> , 1984, 4, 1167-1172.	7.3	89
13	Urine lipoarabinomannan glycan in HIV-negative patients with pulmonary tuberculosis correlates with disease severity. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	88
14	Genomic and proteomic technologies for individualisation and improvement of cancer treatment. <i>European Journal of Cancer</i> , 2004, 40, 2623-2632.	2.8	86
15	Functional Protein Pathway Activation Mapping of the Progression of Normal Skin to Squamous Cell Carcinoma. <i>Cancer Prevention Research</i> , 2012, 5, 403-413.	1.5	83
16	Interaction of fibronectin with C1q and its collagen-like fragment (CLF). <i>FEBS Letters</i> , 1981, 129, 188-192.	2.8	74
17	Reactive oxygen species activate NF $\kappa$ B (p65) and p53 and induce apoptosis in RVFV infected liver cells. <i>Virology</i> , 2014, 449, 270-286.	2.4	71
18	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

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19	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
20	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
21	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
22	Investigation of the Ovarian and Prostate Cancer Peptidome for Candidate Early Detection Markers Using a Novel Nanoparticle Biomarker Capture Technology. <i>AAPS Journal</i> , 2010, 12, 504-518.	4.4	51
23	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
24	Reverse-Phase Phosphoproteome Analysis of Signaling Pathways Induced by Rift Valley Fever Virus in Human Small Airway Epithelial Cells. <i>PLoS ONE</i> , 2010, 5, e13805.	2.5	49
25	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
26	SELDI-TOF mass spectrometry for cancer biomarker discovery and serum proteomic diagnostics. <i>Pharmacogenomics</i> , 2005, 6, 647-653.	1.3	45
27	Functional Protein Network Activation Mapping Reveals New Potential Molecular Drug Targets for Poor Prognosis Pediatric BCP-ALL. <i>PLoS ONE</i> , 2010, 5, e13552.	2.5	42
28	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
29	Use of a Novel Chagas Urine Nanoparticle Test (Chunap) for Diagnosis of Congenital Chagas Disease. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3211.	3.0	38
30	Kinase substrate protein microarray analysis of human colon cancer and hepatic metastasis. <i>Clinica Chimica Acta</i> , 2005, 357, 180-183.	1.1	37
31	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
32	Improved reproducibility of reverse-phase protein microarrays using array microenvironment normalization. <i>Proteomics</i> , 2009, 9, 5562-5566.	2.2	31
33	The use of Nanotrap particles for biodefense and emerging infectious disease diagnostics. <i>Pathogens and Disease</i> , 2014, 71, 164-176.	2.0	30
34	A Pilot Characterization of Human Lung NSCLC by Protein Pathway Activation Mapping. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1755-1766.	1.1	28
35	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
36	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

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37	Improved data normalization methods for reverse phase protein microarray analysis of complex biological samples. <i>BioTechniques</i> , 2012, 0, 1-7.	1.8	27
38	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
39	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
40	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
41	Protein pathway activation mapping of colorectal metastatic progression reveals metastasis-specific network alterations. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 309-316.	3.3	20
42	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
43	Rapamycin modulation of p70 S6 kinase signaling inhibits Rift Valley fever virus pathogenesis. <i>Antiviral Research</i> , 2017, 143, 162-175.	4.1	17
44	Unlocking the secrets to protein-protein interface drug targets using structural mass spectrometry techniques. <i>Expert Review of Proteomics</i> , 2015, 12, 457-467.	3.0	15
45	An Omics Approach to Extracellular Vesicles from HIV-1 Infected Cells. <i>Cells</i> , 2019, 8, 787.	4.1	15
46	Analysis of urinary human growth hormone (hGH) using hydrogel nanoparticles and isoform differential immunoassays after short recombinant hGH treatment: Preliminary results. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 194-197.	2.8	14
47	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
48	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
49	Different measures of HMGB1 location in cancer immunology. <i>Methods in Enzymology</i> , 2019, 629, 195-217.	1.0	11
50	Protein Pathway Activation Associated with Sustained Virologic Response in Patients with Chronic Hepatitis C Treated with Pegylated Interferon (PEG-IFN) and Ribavirin (RBV). <i>Journal of Proteome Research</i> , 2011, 10, 774-779.	3.7	10
51	Chemokine-Releasing Nanoparticles for Manipulation of the Lymph Node Microenvironment. <i>Nanomaterials</i> , 2015, 5, 298-320.	4.1	10
52	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
53	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
54	Whole Proteome Analysis of Mouse Lymph Nodes in Cutaneous Anthrax. <i>PLoS ONE</i> , 2014, 9, e110873.	2.5	10

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55	Angiogenesis: Isolation of a protein that stimulates blood vessel growth. <i>Nature</i> , 1985, 318, 14-14.	27.8	9
56	Stratification of clear cell renal cell carcinoma by signaling pathway analysis. <i>Expert Review of Proteomics</i> , 2014, 11, 237-249.	3.0	9
57	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
58	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
59	Stromal TRIM28-associated signaling pathway modulation within the colorectal cancer microenvironment. <i>Journal of Translational Medicine</i> , 2018, 16, 89.	4.4	8
60	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
61	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
62	Multiplexed Protein Signal Pathway Mapping Identifies Patients With Rectal Cancer That Responds to Neoadjuvant Treatment. <i>Clinical Colorectal Cancer</i> , 2012, 11, 268-274.	2.3	6
63	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
64	PD-L1 quantification across tumor types using the reverse phase protein microarray: implications for precision medicine. , 2021, 9, e002179.		6
65	Unlocking bone for proteomic analysis and FISH. <i>Laboratory Investigation</i> , 2019, 99, 708-721.	3.7	5
66	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
67	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
68	Combination Kinase Inhibitor Treatment Suppresses Rift Valley Fever Virus Replication. <i>Viruses</i> , 2018, 10, 191.	3.3	4
69	&lt;p&gt;Tumor-Draining Lymph Secretome En Route to the Regional Lymph Node in Breast Cancer Metastasis&lt;/p&gt;. <i>Breast Cancer: Targets and Therapy</i> , 2020, Volume 12, 57-67.	1.8	4
70	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
71	Proteomic and Genomic Profile of High-Risk MDS After Treatment with 5-Azacytidine,. <i>Blood</i> , 2011, 118, 3818-3818.	1.4	4
72	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

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73	Identification of Functional Tumor Vessels by Resorcin-Crystal Violet Stain Infusion. Biotechnic & Histochemistry, 1976, 51, 99-102.	0.4	2
74	Role of proteomics in personalized medicine. Personalized Medicine, 2006, 3, 223-226.	1.5	2
75	Next-Generation Techniques for Determination of Protein-Protein Interactions: Beyond the Crystal Structure. Current Pathobiology Reports, 2019, 7, 61-71.	3.4	2
76	Proteomic Analysis of Surrogate Tissues. , 2005, , 93-107.		1
77	Augmented Reality Imaging System: 3D Viewing of a Breast Cancer. Journal of Nature and Science, 2016, 2, .	1.1	1
78	Proteomics of breast cancer. , 2006, , 101-113.		0
79	Serotonin Dysregulation Correlates with Both Bone and Active Disease In Multiple Myeloma. Blood, 2010, 116, 1920-1920.	1.4	0
80	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