Lucia R Languino

List of Publications by Year
in descending order

114 papers	15,225 citations	38720 50 h-index	27389 106 g-index
116 all docs	116 docs citations	116 times ranked	22588 citing authors

#	Article	IF	Citations
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
2	Cancer-Associated Fibroblasts Neutralize the Anti-tumor Effect of CSF1 Receptor Blockade by Inducing PMN-MDSC Infiltration of Tumors. Cancer Cell, 2017, 32, 654-668.e5.	7.7	457
3	Vascular Endothelial Growth Factorâ€"Stimulated Actin Reorganization and Migration of Endothelial Cells Is Regulated via the Serine/Threonine Kinase Akt. Circulation Research, 2000, 86, 892-896.	2.0	386
4	Fibrinogen mediates leukocyte adhesion to vascular endothelium through an ICAM-1-dependent pathway. Cell, 1993, 73, 1423-1434.	13.5	334
5	CD45 Phosphatase Inhibits STAT3 Transcription Factor Activity in Myeloid Cells and Promotes Tumor-Associated Macrophage Differentiation. Immunity, 2016, 44, 303-315.	6.6	299
6	The Runx2 Osteogenic Transcription Factor Regulates Matrix Metalloproteinase 9 in Bone Metastatic Cancer Cells and Controls Cell Invasion. Molecular and Cellular Biology, 2005, 25, 8581-8591.	1.1	280
7	IAP Regulation of Metastasis. Cancer Cell, 2010, 17, 53-64.	7.7	258
8	Runx2 association with progression of prostate cancer in patients: mechanisms mediating bone osteolysis and osteoblastic metastatic lesions. Oncogene, 2010, 29, 811-821.	2.6	246
9	Regulation of leukocyte-endothelium interaction and leukocyte transendothelial migration by intercellular adhesion molecule 1-fibrinogen recognition.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1505-1509.	3.3	180
10	PI3K therapy reprograms mitochondrial trafficking to fuel tumor cell invasion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8638-8643.	3.3	174
11	Implementation of Germline Testing for Prostate Cancer: Philadelphia Prostate Cancer Consensus Conference 2019. Journal of Clinical Oncology, 2020, 38, 2798-2811.	0.8	170
12	Metabolic stress regulates cytoskeletal dynamics and metastasis of cancer cells. Journal of Clinical Investigation, 2013, 123, 2907-2920.	3.9	165
13	Regulation of survivin expression by IGF-1/mTOR signaling. Oncogene, 2007, 26, 2678-2684.	2.6	162
14	Mitochondrial Akt Regulation of Hypoxic Tumor Reprogramming. Cancer Cell, 2016, 30, 257-272.	7.7	158
15	TRAP-1, the mitochondrial Hsp90. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 767-773.	1.9	156
16	Integrins in prostate cancer progression. Endocrine-Related Cancer, 2008, 15, 657-664.	1.6	154
17	The integrinâ€"growth factor receptor duet. Journal of Cellular Physiology, 2007, 213, 649-653.	2.0	146
18	The Î±vÎ²6 Integrin Is Transferred Intercellularly via Exosomes. Journal of Biological Chemistry, 2015, 290, 4545-4551.	1.6	140

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19	Unique pattern of neutrophil migration and function during tumor progression. Nature Immunology, 2018, 19, 1236-1247.	7.0	140
20	Substrate Specificity of Î±vÎ²3Integrin-mediated Cell Migration and Phosphatidylinositol 3-Kinase/AKT Pathway Activation. Journal of Biological Chemistry, 2000, 275, 24565-24574.	1.6	136
21	Landscape of the mitochondrial Hsp90 metabolome in tumours. Nature Communications, 2013, 4, 2139.	5.8	135
22	Fibronectin Protects Prostate Cancer Cells from Tumor Necrosis Factor-Î±-induced Apoptosis via the AKT/Survivin Pathway. Journal of Biological Chemistry, 2003, 278, 50402-50411.	1.6	133
23	Î±vÎ²3 integrin expression up-regulates cdc2, which modulates cell migration. Journal of Cell Biology, 2003, 161, 817-826.	2.3	126
24	The Mitochondrial Unfoldase-Peptidase Complex ClpXP Controls Bioenergetics Stress and Metastasis. PLoS Biology, 2016, 14, e1002507.	2.6	118
25	Exosome-mediated Transfer of Î±vÎ²3 Integrin from Tumorigenic to Nontumorigenic Cells Promotes a Migratory Phenotype. Molecular Cancer Research, 2016, 14, 1136-1146.	1.5	115
26	Cytoprotective Mitochondrial Chaperone TRAP-1 As a Novel Molecular Target in Localized and Metastatic Prostate Cancer. American Journal of Pathology, 2010, 176, 393-401.	1.9	113
27	A neuronal network of mitochondrial dynamics regulates metastasis. Nature Communications, 2016, 7, 13730.	5.8	112
28	Molecular Identification of a Novel Fibrinogen Binding Site on the First Domain of ICAM-1 Regulating Leukocyte-Endothelium Bridging. Journal of Biological Chemistry, 1997, 272, 435-441.	1.6	110
29	Control of Tumor Bioenergetics and Survival Stress Signaling by Mitochondrial HSP90s. Cancer Cell, 2012, 22, 331-344.	7.7	103
30	Trop-2 Promotes Prostate Cancer Metastasis By Modulating Î²1 Integrin Functions. Cancer Research, 2013, 73, 3155-3167.	0.4	103
31	Integrins and prostate cancer metastases. Cancer and Metastasis Reviews, 2001, 20, 321-331.	2.7	102
32	Structural Recognition of a Novel Fibrinogen Î³ Chain Sequence (117 â€" 133) by Intercellular Adhesion Molecule-1 Mediates Leukocyte-Endothelium Interaction. Journal of Biological Chemistry, 1995, 270, 696-699.	1.6	100
33	Adaptive Mitochondrial Reprogramming and Resistance to PI3K Therapy. Journal of the National Cancer Institute, 2015, 107, .	3.0	91
34	Evaluation of Drug Combination Effect Using a Bliss Independence Doseâ€"Response Surface Model. Statistics in Biopharmaceutical Research, 2018, 10, 112-122.	0.6	86
35	Preclinical Characterization of Mitochondria-Targeted Small Molecule Hsp90 Inhibitors, Gamitrinibs, in Advanced Prostate Cancer. Clinical Cancer Research, 2010, 16, 4779-4788.	3.2	85
36	Survivin promotes oxidative phosphorylation, subcellular mitochondrial repositioning, and tumor cell invasion. Science Signaling, 2015, 8, ra80.	1.6	84

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37	Selective modulation of type 1 insulin-like growth factor receptor signaling and functions by Î²1 integrins. Journal of Cell Biology, 2004, 166, 407-418.	2.3	77
38	Alternatively spliced variants: A new view of the integrin cytoplasmic domain. Matrix Biology, 1997, 16, 185-193.	1.5	74
39	câ€Src, Insulinâ€Like Growth Factor I Receptor, Gâ€Proteinâ€Coupled Receptor Kinases and Focal Adhesion Kinase are Enriched Into Prostate Cancer Cell Exosomes. Journal of Cellular Biochemistry, 2017, 118, 66-73.	1.2	74
40	Prostate cancer sheds the Î±vÎ²3 integrin in vivo through exosomes. Matrix Biology, 2019, 77, 41-57.	1.5	73
41	Î²1A Integrin Expression Is Required for Type 1 Insulin-Like Growth Factor Receptor Mitogenic and Transforming Activities and Localization to Focal Contacts. Cancer Research, 2005, 65, 6692-6700.	0.4	69
42	Deletion of the Mitochondrial Chaperone TRAP-1ÂUncovers Global Reprogramming of Metabolic Networks. Cell Reports, 2014, 8, 671-677.	2.9	64
43	Endogenous Tumor Suppression Mediated by <i>PTEN</i> Involves <i>Survivin</i> Gene Silencing. Cancer Research, 2009, 69, 4954-4958.	0.4	61
44	Integrin Î±vÎ²6 Promotes an Osteolytic Program in Cancer Cells by Upregulating MMP2. Cancer Research, 2014, 74, 1598-1608.	0.4	61
45	Targeted inhibition of mitochondrial Hsp90 suppresses localised and metastatic prostate cancer growth in a genetic mouse model of disease. British Journal of Cancer, 2011, 104, 629-634.	2.9	58
46	Tropâ€2 inhibits prostate cancer cell adhesion to fibronectin through the Î²₁ integrinâ€RACK1 axis. Journal of Cellular Physiology, 2012, 227, 3670-3677.	2.0	58
47	Trop-2 is up-regulated in invasive prostate cancer and displaces FAK from focal contacts. Oncotarget, 2015, 6, 14318-14328.	0.8	58
48	Jak2-Stat5a/b Signaling Induces Epithelial-to-Mesenchymal Transition and Stem-Like Cell Properties in Prostate Cancer. American Journal of Pathology, 2015, 185, 2505-2522.	1.9	54
49	Exosomal Î±vÎ²6 integrin is required for monocyte M2 polarization in prostate cancer. Matrix Biology, 2018, 70, 20-35.	1.5	54
50	The Novel Structural Motif Gln795â€“Gln802 in the Integrin Î²1C Cytoplasmic Domain Regulates Cell Proliferation. Journal of Biological Chemistry, 1995, 270, 24666-24669.	1.6	51
51	The mitophagy effector FUNDC1 controls mitochondrial reprogramming and cellular plasticity in cancer cells. Science Signaling, 2020, 13, .	1.6	51
52	Exosome-mediated transfer from the tumor microenvironment increases TGFÎ² signaling in squamous cell carcinoma. American Journal of Translational Research (discontinued), 2016, 8, 2432-7.	0.0	49
53	Differential Role of Î²1Cand Î²1AIntegrin Cytoplasmic Variants in Modulating Focal Adhesion Kinase, Protein Kinase B/AKT, and Ras/Mitogen-activated Protein Kinase Pathways. Molecular Biology of the Cell, 2000, 11, 2235-2249.	0.9	48
54	Protein Kinase D1 Inhibits Cell Proliferation through Matrix Metalloproteinase-2 and Matrix Metalloproteinase-9 Secretion in Prostate Cancer. Cancer Research, 2010, 70, 2095-2104.	0.4	48

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55	Regulation of mRNA and Protein Levels of Î²1 Integrin Variants in Human Prostate Carcinoma. American Journal of Pathology, 2000, 157, 1727-1734.	1.9	47
56	Syntaphilin Ubiquitination Regulates Mitochondrial Dynamics and Tumor Cell Movements. Cancer Research, 2018, 78, 4215-4228.	0.4	47
57	p27kip1 acts as a downstream effector of and is coexpressed with the Î²1C integrin in prostatic adenocarcinoma. Journal of Clinical Investigation, 1999, 103, 321-329.	3.9	47
58	Î²1C Integrin in Epithelial Cells Correlates with a Nonproliferative Phenotype. American Journal of Pathology, 1998, 153, 1079-1087.	1.9	45
59	Î²₁ integrins mediate resistance to ionizing radiation in vivo by inhibiting câ€Jun amino terminal kinase 1. Journal of Cellular Physiology, 2013, 228, 1601-1609.	2.0	44
60	The cancerâ€related Runx2 protein enhances cell growth and responses to androgen and TGFÎ² in prostate cancer cells. Journal of Cellular Biochemistry, 2010, 109, 828-837.	1.2	43
61	The Î±vÎ²6Âintegrin in cancer cellâ€derived small extracellular vesicles enhances angiogenesis. Journal of Extracellular Vesicles, 2020, 9, 1763594.	5.5	41
62	CD133, Trop-2 and alpha2beta1 integrin surface receptors as markers of putative human prostate cancer stem cells. American Journal of Translational Research (discontinued), 2010, 2, 135-44.	0.0	41
63	Syntaphilin controls a mitochondrial rheostat for proliferation-motility decisions in cancer. Journal of Clinical Investigation, 2017, 127, 3755-3769.	3.9	37
64	Insulinâ€like growth factor 1 stimulation of androgen receptor activity requires Î²_{1A} integrins. Journal of Cellular Physiology, 2012, 227, 751-758.	2.0	35
65	Deletion of Cyclophilin D Impairs Î²-Oxidation and Promotes Glucose Metabolism. Scientific Reports, 2015, 5, 15981.	1.6	34
66	MFF Regulation of Mitochondrial Cell Death Is a Therapeutic Target in Cancer. Cancer Research, 2019, 79, 6215-6226.	0.4	34
67	Regulation of Î²1C and Î²1A Integrin Expression in Prostate Carcinoma Cells. Journal of Biological Chemistry, 2004, 279, 1692-1702.	1.6	32
68	Prostate cancer regulatory networks. Journal of Cellular Biochemistry, 2009, 107, 845-852.	1.2	32
69	IGF-IR Promotes Prostate Cancer Growth by Stabilizing Î±5Î²1 Integrin Protein Levels. PLoS ONE, 2013, 8, e76513.	1.1	32
70	Î±vÎ²6 Integrin Promotes Castrate-Resistant Prostate Cancer through JNK1-Mediated Activation of Androgen Receptor. Cancer Research, 2016, 76, 5163-5174.	0.4	32
71	Small extracellular vesicles modulated by Î±VÎ²3Âintegrin induce neuroendocrine differentiation in recipient cancer cells. Journal of Extracellular Vesicles, 2020, 9, 1761072.	5.5	32
72	Down-Regulation of Î²1C Integrin in Breast Carcinomas Correlates with High Proliferative Fraction, High Histological Grade, and Larger Size. American Journal of Pathology, 2000, 156, 169-174.	1.9	31

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73	Myc Regulation of a Mitochondrial Trafficking Network Mediates Tumor Cell Invasion and Metastasis. Molecular and Cellular Biology, 2019, 39, .	1.1	31
74	Î±vÎ²3 Integrin Mediates Radioresistance of Prostate Cancer Cells through Regulation of Survivin. Molecular Cancer Research, 2019, 17, 398-408.	1.5	31
75	Integrin laminin receptor profile of pulmonary squamous cell and adenocarcinomas. Human Pathology, 1998, 29, 1208-1215.	1.1	30
76	Integrin Signaling in Cancer. , 2004, 119, 15-31.		30
77	Î²1 integrins mediate cell proliferation in threeâ€dimensional cultures by regulating expression of the sonic hedgehog effector protein, GLI1. Journal of Cellular Physiology, 2010, 224, 210-217.	2.0	30
78	PSA regulates androgen receptor expression in prostate cancer cells. Prostate, 2012, 72, 769-776.	1.2	30
79	Transgenic Expression of the Mitochondrial Chaperone TNFR-associated Protein 1 (TRAP1) Accelerates Prostate Cancer Development. Journal of Biological Chemistry, 2016, 291, 25247-25254.	1.6	29
80	Tumor-Derived Extracellular Vesicles Require Î²1 Integrins to Promote Anchorage-Independent Growth. IScience, 2019, 14, 199-209.	1.9	29
81	Integrin signaling aberrations in prostate cancer. American Journal of Translational Research (discontinued), 2009, 1, 211-20.	0.0	28
82	Î±vÎ²6 integrin is required for TGFÎ²1-mediated matrix metalloproteinase2 expression. Biochemical Journal, 2015, 466, 525-536.	1.7	27
83	Small Extracellular Vesicle Regulation of Mitochondrial Dynamics Reprograms a Hypoxic Tumor Microenvironment. Developmental Cell, 2020, 55, 163-177.e6.	3.1	26
84	Î²1 Integrins Modulate Cell Adhesion by Regulating Insulin-Like Growth Factor-II Levels in the Microenvironment. Cancer Research, 2006, 66, 331-342.	0.4	25
85	Myc-mediated transcriptional regulation of the mitochondrial chaperone TRAP1 controls primary and metastatic tumor growth. Journal of Biological Chemistry, 2019, 294, 10407-10414.	1.6	25
86	Deregulation of MiR-34b/Sox2 Predicts Prostate Cancer Progression. PLoS ONE, 2015, 10, e0130060.	1.1	23
87	v-Src Oncogene Induces Trop2 Proteolytic Activation via Cyclin D1. Cancer Research, 2016, 76, 6723-6734.	0.4	22
88	High dose fractionated ionizing radiation inhibits prostate cancer cell adhesion and Î²1 integrin expression. Prostate, 2005, 64, 83-91.	1.2	21
89	Prostate carcinoma and radiation therapy: therapeutic treatment resistance and strategies for targeted therapeutic intervention. Expert Review of Anticancer Therapy, 2008, 8, 967-974.	1.1	21
90	Expression of the ILâ€11 Gene in Metastatic Cells Is Supported by Runx2â€Smad and Runx2â€cJun Complexes Induced by TGFÎ²1. Journal of Cellular Biochemistry, 2015, 116, 2098-2108.	1.2	21

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91	A microRNA/Runx1/Runx2 network regulates prostate tumor progression from onset to adenocarcinoma in TRAMP mice. Oncotarget, 2016, 7, 70462-70474.	0.8	21
92	A cancer ubiquitome landscape identifies metabolic reprogramming as target of Parkin tumor suppression. Science Advances, 2021, 7, .	4.7	19
93	Differential expression of Î±VÎ²3 and Î±VÎ²6 integrins in prostate cancer progression. PLoS ONE, 2021, 16, e0244985.	1.1	16
94	Î²1 Integrin Cytoplasmic Variants Differentially Regulate Expression of the Antiangiogenic Extracellular Matrix Protein Thrombospondin 1. Cancer Research, 2009, 69, 5374-5382.	0.4	13
95	Î±(V)Î²(6) integrin expression is induced in the POET and Pten(pc-/-) mouse models of prostatic inflammation and prostatic adenocarcinoma. American Journal of Translational Research (discontinued), 2012, 4, 165-74.	0.0	13
96	Molecular Targets for Radiation Oncology in Prostate Cancer. Frontiers in Oncology, 2011, 1, 17.	1.3	12
97	Ghost mitochondria drive metastasis through adaptive GCN2/Akt therapeutic vulnerability. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
98	Small extracellular vesicle-mediated <i>ITGB6</i> siRNA delivery downregulates the Î±VÎ²6 integrin and inhibits adhesion and migration of recipient prostate cancer cells. Cancer Biology and Therapy, 2022, 23, 173-185.	1.5	12
99	Hitting the Bullseye: Are extracellular vesicles on target?. Journal of Extracellular Vesicles, 2020, 10, e12032.	5.5	11
100	Bicalutamide inhibits androgenâ€mediated adhesion of prostate cancer cells exposed to ionizing radiation. Prostate, 2008, 68, 1734-1742.	1.2	8
101	Î²1 integrin- and JNK-dependent tumor growth upon hypofractionated radiation. Oncotarget, 2016, 7, 52618-52630.	0.8	6
102	Regulation of MCP-3 and BRCA2 mRNA Expression Levels by Î²1 Integrins. Experimental and Molecular Pathology, 2001, 70, 239-247.	0.9	4
103	IFIT3 (Interferon Induced Protein with Tetratricopeptide Repeats 3) Modulates STAT1 Expression in small Extracellular Vesicles. Biochemical Journal, 2021, 478, 3905-3921.	1.7	3
104	Methods for extracellular vesicle isolation from cancer cells. , 2020, 3, 371-384.		3
105	Epitope-Specific Antibodies to the Î²1C Integrin Cytoplasmic Domain Variant. Experimental and Molecular Pathology, 2001, 70, 275-280.	0.9	2
106	Activated Extracellular Vesicles as New Therapeutic Targets?. Trends in Cell Biology, 2019, 29, 276-278.	3.6	2
107	The Search for a Better Prostate Cancer Biomarker. Journal of Urology, 2011, 186, 1758-1759.	0.2	1
108	Expression of Heterologous Integrin Genes. , 1999, 129, 125-134.		0

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109	Integrins and prostate cancer metastases. , 2002, , 185-195.		0
110	Correction: Selective modulation of type 1 insulin-like growth factor receptor signaling and functions by Î²1 integrins. Journal of Cell Biology, 2004, 167, 565-565.	2.3	0
111	Advances in prostate cancer research. Journal of Cellular Biochemistry, 2004, 91, 1-2.	1.2	0
112	Advances in prostate cancer research: part III. Journal of Cellular Biochemistry, 2004, 91, 647-648.	1.2	0
113	Androgen action series. Journal of Cellular Biochemistry, 2006, 99, 331-332.	1.2	0
114	"D" approach to prevent metastasis. Cancer Biology and Therapy, 2007, 6, 110-111.	1.5	0