

# Lubor Borsig

## List of Publications by Citations

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101  
papers

6,301  
citations

41  
h-index

79  
g-index

118  
ext. papers

7,075  
ext. citations

7.7  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
101	Heparin and cancer revisited: mechanistic connections involving platelets, P-selectin, carcinoma mucins, and tumor metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 3352-7	11.5	549
100	P-selectin deficiency attenuates tumor growth and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 9325-30	11.5	378
99	Synergistic effects of L- and P-selectin in facilitating tumor metastasis can involve non-mucin ligands and implicate leukocytes as enhancers of metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 2193-8	11.5	341
98	Selectins promote tumor metastasis. <i>Seminars in Cancer Biology</i> , <b>2010</b> , 20, 169-77	12.7	302
97	Cancer cell adhesion and metastasis: selectins, integrins, and the inhibitory potential of heparins. <i>International Journal of Cell Biology</i> , <b>2012</b> , 2012, 676731	2.6	283
96	Altered tumor-cell glycosylation promotes metastasis. <i>Frontiers in Oncology</i> , <b>2014</b> , 4, 28	5.3	242
95	Endothelial CCR2 signaling induced by colon carcinoma cells enables extravasation via the JAK2-Stat5 and p38MAPK pathway. <i>Cancer Cell</i> , <b>2012</b> , 22, 91-105	24.3	213
94	Selectin-mucin interactions as a probable molecular explanation for the association of Trousseau syndrome with mucinous adenocarcinomas. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 853-862	15.9	183
93	P-selectin mediates the adhesion of sickle erythrocytes to the endothelium. <i>Blood</i> , <b>2001</b> , 98, 1955-62	2.2	169
92	Distinct selectin ligands on colon carcinoma mucins can mediate pathological interactions among platelets, leukocytes, and endothelium. <i>American Journal of Pathology</i> , <b>1999</b> , 155, 461-72	5.8	160
91	Selectin blocking activity of a fucosylated chondroitin sulfate glycosaminoglycan from sea cucumber. Effect on tumor metastasis and neutrophil recruitment. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 14984-91	5.4	151
90	Inflammatory chemokines and metastasis--tracing the accessory. <i>Oncogene</i> , <b>2014</b> , 33, 3217-24	9.2	147
89	The role of platelet activation in tumor metastasis. <i>Expert Review of Anticancer Therapy</i> , <b>2008</b> , 8, 1247-55	3.5	143
88	L-selectin facilitation of metastasis involves temporal induction of Fut7-dependent ligands at sites of tumor cell arrest. <i>Cancer Research</i> , <b>2006</b> , 66, 1536-42	10.1	127
87	Gut microbiota modulate T cell trafficking into human colorectal cancer. <i>Gut</i> , <b>2018</b> , 67, 1984-1994	19.2	109
86	Selectin-mediated activation of endothelial cells induces expression of CCL5 and promotes metastasis through recruitment of monocytes. <i>Blood</i> , <b>2009</b> , 114, 4583-91	2.2	108
85	Tumor attenuation by combined heparan sulfate and polyamine depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 371-6	11.5	106

84	P-selectin- and heparanase-dependent antimetastatic activity of non-anticoagulant heparins. <i>FASEB Journal</i> , <b>2007</b> , 21, 3562-72	0.9	100
83	Selectin-mucin interactions as a probable molecular explanation for the association of Trousseau syndrome with mucinous adenocarcinomas. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 853-62	15.9	95
82	Heparin attenuates metastasis mainly due to inhibition of P- and L-selectin, but non-anticoagulant heparins can have additional effects. <i>Thrombosis Research</i> , <b>2007</b> , 120 Suppl 2, S107-11	8.2	94
81	CCL2-CCR2 Signaling in Disease Pathogenesis. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2015</b> , 15, 105-18	2.2	91
80	Milk sialyllactose influences colitis in mice through selective intestinal bacterial colonization. <i>Journal of Experimental Medicine</i> , <b>2010</b> , 207, 2843-54	16.6	90
79	Increased primary tumor growth in mice null for beta3- or beta3/beta5-integrins or selectins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 763-8	11.5	90
78	Cell-specific and nuclear targeting with [M(CO)(3)](+) (M=(99m)Tc, Re)-based complexes conjugated to acridine orange and bombesin. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3842-52	4.8	87
77	A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. <i>Cancer Cell</i> , <b>2017</b> , 32, 342-359.e10	24.3	83
76	Antimetastatic activities of heparins and modified heparins. Experimental evidence. <i>Thrombosis Research</i> , <b>2010</b> , 125 Suppl 2, S66-71	8.2	79
75	Milk oligosaccharide sialyl(α,3)lactose activates intestinal CD11c+ cells through TLR4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17444-9	11.5	72
74	A novel carbohydrate-deficient glycoprotein syndrome characterized by a deficiency in glucosylation of the dolichol-linked oligosaccharide. <i>Journal of Clinical Investigation</i> , <b>1998</b> , 102, 647-52	15.9	68
73	Altered Cell Adhesion and Glycosylation Promote Cancer Immune Suppression and Metastasis. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2120	8.4	67
72	Selectins in cancer immunity. <i>Glycobiology</i> , <b>2018</b> , 28, 648-655	5.8	67
71	Volatile anesthetics reduce invasion of colorectal cancer cells through down-regulation of matrix metalloproteinase-9. <i>Anesthesiology</i> , <b>2012</b> , 117, 293-301	4.3	67
70	Selectins as mediators of lung metastasis. <i>Cancer Microenvironment</i> , <b>2010</b> , 3, 97-105	6.1	64
69	Ascidian dermatan sulfates attenuate metastasis, inflammation and thrombosis by inhibition of P-selectin. <i>Journal of Thrombosis and Haemostasis</i> , <b>2011</b> , 9, 1807-15	15.4	62
68	P-selectin mediates metastatic progression through binding to sulfatides on tumor cells. <i>Glycobiology</i> , <b>2007</b> , 17, 185-96	5.8	62
67	Breastfed at Tiffanyβ. <i>Trends in Biochemical Sciences</i> , <b>2016</b> , 41, 508-518	10.3	61

66	Prolyl-4-hydroxylase PHD2- and hypoxia-inducible factor 2-dependent regulation of amphiregulin contributes to breast tumorigenesis. <i>Oncogene</i> , <b>2011</b> , 30, 548-60	9.2	58
65	Poly(ADP-ribose) polymerase 1 promotes tumor cell survival by coactivating hypoxia-inducible factor-1-dependent gene expression. <i>Molecular Cancer Research</i> , <b>2008</b> , 6, 282-90	6.6	57
64	Heparin as an inhibitor of cancer progression. <i>Progress in Molecular Biology and Translational Science</i> , <b>2010</b> , 93, 335-49	4	49
63	Antimetastatic activities of modified heparins: selectin inhibition by heparin attenuates metastasis. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2007</b> , 33, 540-6	5.3	49
62	Monocyte Induction of E-Selectin-Mediated Endothelial Activation Releases VE-Cadherin Junctions to Promote Tumor Cell Extravasation in the Metastasis Cascade. <i>Cancer Research</i> , <b>2016</b> , 76, 5302-12	10.1	49
61	Recombinant soluble beta-1,4-galactosyltransferases expressed in <i>Saccharomyces cerevisiae</i> . Purification, characterization and comparison with human enzyme. <i>FEBS Journal</i> , <b>1996</b> , 239, 340-8		41
60	Sulfated hexasaccharides attenuate metastasis by inhibition of P-selectin and heparanase. <i>Neoplasia</i> , <b>2011</b> , 13, 445-52	6.4	40
59	Antitumor properties of a new non-anticoagulant heparin analog from the mollusk <i>Nodipecten nodosus</i> : Effect on P-selectin, heparanase, metastasis and cellular recruitment. <i>Glycobiology</i> , <b>2015</b> , 25, 386-93	5.8	38
58	VCAM-1 directed target-sensitive liposomes carrying CCR2 antagonists bind to activated endothelium and reduce adhesion and transmigration of monocytes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 89, 18-29	5.7	37
57	Metal complex mediated conjugation of peptides to nucleus targeting acridine orange: a modular concept for dual-modality imaging agents. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 958-67	6.3	35
56	Localization of alpha 1,3-fucosyltransferase VI in Weibel-Palade bodies of human endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 8369-74	11.5	34
55	Trafficking and localization studies of recombinant alpha1, 3-fucosyltransferase VI stably expressed in CHO cells. <i>Glycobiology</i> , <b>1998</b> , 8, 259-68	5.8	32
54	Increasing the antitumor effect of an EpCAM-targeting fusion toxin by facile click PEGylation. <i>Molecular Cancer Therapeutics</i> , <b>2014</b> , 13, 375-85	6.1	31
53	Selectins facilitate carcinoma metastasis and heparin can prevent them. <i>Physiology</i> , <b>2004</b> , 19, 16-21	9.8	31
52	Single cell polarity in liquid phase facilitates tumour metastasis. <i>Nature Communications</i> , <b>2018</b> , 9, 887	17.4	30
51	Nuclear heparanase-1 activity suppresses melanoma progression via its DNA-binding affinity. <i>Oncogene</i> , <b>2015</b> , 34, 5832-42	9.2	29
50	Ontogenetic regulation of leukocyte recruitment in mouse yolk sac vessels. <i>Blood</i> , <b>2013</b> , 121, e118-28	2.2	27
49	IL17A-Mediated Endothelial Breach Promotes Metastasis Formation. <i>Cancer Immunology Research</i> , <b>2016</b> , 4, 26-32	12.5	26

48	Scaled-up expression of human alpha 2,6(N)sialyltransferase in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 210, 14-20	3.4	26
47	Metastatic growth progression caused by PSGL-1-mediated recruitment of monocytes to metastatic sites. <i>Cancer Research</i> , <b>2014</b> , 74, 695-704	10.1	25
46	Trifunctional 99mTc based radiopharmaceuticals: metal-mediated conjugation of a peptide with a nucleus targeting intercalator. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 1071-8	3.9	25
45	The role of VLA-4 binding for experimental melanoma metastasis and its inhibition by heparin. <i>Thrombosis Research</i> , <b>2014</b> , 133, 855-62	8.2	24
44	Targeted delivery of CCR2 antagonist to activated pulmonary endothelium prevents metastasis. <i>Journal of Controlled Release</i> , <b>2015</b> , 220, 341-347	11.7	23
43	Targeting of CCL2-CCR2-Glycosaminoglycan Axis Using a CCL2 Decoy Protein Attenuates Metastasis through Inhibition of Tumor Cell Seeding. <i>Neoplasia</i> , <b>2016</b> , 18, 49-59	6.4	23
42	Complete absence of the Gal xenoantigen and isoglobotrihexosylceramide in $\beta$ 1,3galactosyltransferase knock-out pigs. <i>Xenotransplantation</i> , <b>2012</b> , 19, 196-206	2.8	23
41	Inhibitory effect of non-anticoagulant heparin (S-NACH) on pancreatic cancer cell adhesion and metastasis in human umbilical cord vessel segment and in mouse model. <i>Clinical and Experimental Metastasis</i> , <b>2012</b> , 29, 431-9	4.7	22
40	Heparins attenuate cancer metastasis: are selectins the link?. <i>Cancer Investigation</i> , <b>2009</b> , 27, 474-81	2.1	22
39	CCL2 Is a Vascular Permeability Factor Inducing CCR2-Dependent Endothelial Retraction during Lung Metastasis. <i>Molecular Cancer Research</i> , <b>2019</b> , 17, 783-793	6.6	22
38	alpha1,3Fucosyltransferase VI is expressed in HepG2 cells and codistributed with beta1,4galactosyltransferase I in the golgi apparatus and monensin-induced swollen vesicles. <i>Glycobiology</i> , <b>1999</b> , 9, 1273-80	5.8	20
37	Immunodetection of alpha 1-3 fucosyltransferase (FucT-V). <i>European Journal of Cell Biology</i> , <b>1996</b> , 70, 42-53	6.1	18
36	An IL-2-grafted antibody immunotherapy with potent efficacy against metastatic cancer. <i>Nature Communications</i> , <b>2020</b> , 11, 6440	17.4	17
35	Expression and purification of His-tagged beta-1,4-galactosyltransferase in yeast and in COS cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 240, 586-9	3.4	16
34	Deletion of L-selectin increases atherosclerosis development in ApoE <sup>-/-</sup> mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e21675	3.7	16
33	Hypoxia attenuates the proinflammatory response in colon cancer cells by regulating I $\kappa$ B. <i>Oncotarget</i> , <b>2015</b> , 6, 20288-301	3.3	16
32	Analysis of SM4 sulfatide as a P-selectin ligand using model membranes. <i>Biophysical Chemistry</i> , <b>2010</b> , 150, 98-104	3.5	15
31	Transcription factor c-Myb inhibits breast cancer lung metastasis by suppression of tumor cell seeding. <i>Oncogene</i> , <b>2018</b> , 37, 1020-1030	9.2	11

30	Molecular basis of metastasis. <i>New England Journal of Medicine</i> , <b>2009</b> , 360, 1678-9; author reply 1679-80	5.2	11
29	Decoding breast milk oligosaccharides. <i>Swiss Medical Weekly</i> , <b>2014</b> , 144, w13927	3.1	10
28	Commensal Clostridiales strains mediate effective anti-cancer immune response against solid tumors. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1573-1588.e7	23.4	9
27	Antimetastatic Properties of Low Molecular Weight Heparin. <i>Journal of Clinical Oncology</i> , <b>2016</b> , 34, 2560-2	12	8
26	A novel pVHL-independent but NEMO-driven pathway in renal cancer promotes HIF stabilization. <i>Oncogene</i> , <b>2016</b> , 35, 3125-38	9.2	8
25	Low infiltration of tumor-associated macrophages in high c-Myb-expressing breast tumors. <i>Scientific Reports</i> , <b>2019</b> , 9, 11634	4.9	7
24	Stromal Expression of Activated Leukocyte Cell Adhesion Molecule Promotes Lung Tumor Growth and Metastasis. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 2558-2569	5.8	7
23	Non-anticoagulant effects of heparin in carcinoma metastasis and Trousseau syndrome. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , <b>2003</b> , 33 Suppl 1, 64-6		7
22	Transcriptional signature induced by a metastasis-promoting c-Src mutant in a human breast cell line. <i>FEBS Journal</i> , <b>2016</b> , 283, 1669-88	5.7	7
21	Sulfated fucans and a sulfated galactan from sea urchins as potent inhibitors of selectin-dependent hematogenous metastasis. <i>Glycobiology</i> , <b>2018</b> , 28, 427-434	5.8	6
20	c-Myb interferes with inflammatory IL1/INF- $\beta$ pathway in breast cancer cells. <i>Neoplasia</i> , <b>2021</b> , 23, 326-336	6.4	6
19	Custom Glycosylation of Cells and Proteins Using Cyclic Carbamate-Derivatized Oligosaccharides. <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 1336-1346.e3	8.2	5
18	Non-Anticoagulant Heparan Sulfate from the Ascidian Prevents Colon Carcinoma Metastasis in Mice by Disrupting Platelet-Tumor Cell Interaction. <i>Cancers</i> , <b>2020</b> , 12,	6.6	4
17	Tunicate Heparan Sulfate Enriched in 2-Sulfated D-Glucuronic Acid: Structure, Anticoagulant Activity, and Inhibitory Effect on the Binding of Human Colon Adenocarcinoma Cells to Immobilized P-Selectin. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	4
16	Pictures in molecular medicine: three-dimensional visualization of intravascular tumor cells in mice. <i>Trends in Molecular Medicine</i> , <b>2001</b> , 7, 377	11.5	4
15	Tumor cell endogenous HIF-1 activity induces aberrant angiogenesis and interacts with TRAF6 pathway required for colorectal cancer development. <i>Neoplasia</i> , <b>2020</b> , 22, 745-758	6.4	3
14	VWF fibers induce thrombosis during cancer. <i>Blood</i> , <b>2015</b> , 125, 3042-3	2.2	3
13	Heparanase in Cancer Metastasis Heparin as a Potential Inhibitor of Cell Adhesion Molecules. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1221, 309-329	3.6	3

12	Analysis of serum glycome by lectin microarrays for prostate cancer patients - a search for aberrant glycoforms. <i>Glycoconjugate Journal</i> , <b>2020</b> , 37, 703-711	3	2
11	Abstract 1001: Gut microbiota modulate T cell trafficking into human colorectal cancer <b>2018</b> ,		2
10	Inhibition of chemokine receptor CCR2 reduces sarcoma cell transendothelial migration and metastasis to the lungs. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , <b>2015</b> , 53, 1046-8 <sup>2</sup>		2
9	Glycans in Cancer <b>2011</b> , 63-81		2
8	Cell Adhesion During Tumorigenesis and Metastasis <b>2017</b> ,		1
7	Selectins, Heparins, and Cancer: Rationale for Clinical Trials.. <i>Blood</i> , <b>2008</b> , 112, sci-20-sci-20	2.2	1
6	Overexpression of adaptor protein Ruk/CIN85 in mouse breast adenocarcinoma 4T1 cells induces an increased migration rate and invasion potential. <i>Biopolymers and Cell</i> , <b>2018</b> , 34, 284-291	0.3	1
5	Identification of Whole-Serum Glycobiomarkers for Colorectal Carcinoma Using Reverse-Phase Lectin Microarray.. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 735338	5.3	1
4	Transcription factor c-Myb: novel prognostic factor in osteosarcoma.. <i>Clinical and Experimental Metastasis</i> , <b>2022</b> , 39, 375	4.7	0
3	The Solute Carrier MFSD1 Decreases the Activation Status of $\beta$ 1 Integrin and Thus Tumor Metastasis.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 777634	5.3	
2	TGF $\beta$ signaling in Myeloid Cells Promotes Lung and Liver Metastasis Through Different Mechanisms. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 765151	5.3	
1	Stage dependent increase of CCL2 and CCL5 in peripheral blood of colorectal cancer patients.. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, e22111-e22111	2.2	