Lubor Borsig

List of Publications by Year in Descending Order

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	Transcription factor c-Myb: novel prognostic factor in osteosarcoma.. *Clinical and Experimental Metastasis*, **2022**, 39, 375	4.7	0
100	The Solute Carrier MFSD1 Decreases the Activation Status of β1 Integrin and Thus Tumor Metastasis.. *Frontiers in Oncology*, **2022**, 12, 777634	5.3	
99	TGFβ Signaling in Myeloid Cells Promotes Lung and Liver Metastasis Through Different Mechanisms. *Frontiers in Oncology*, **2021**, 11, 765151	5.3	
98	c-Myb interferes with inflammatory IL1β-NF-κB pathway in breast cancer cells. *Neoplasia*, **2021**, 23, 326-336	6.4	6
97	Commensal Clostridiales strains mediate effective anti-cancer immune response against solid tumors. *Cell Host and Microbe*, **2021**, 29, 1573-1588.e7	23.4	9
96	Identification of Whole-Serum Glycobiomarkers for Colorectal Carcinoma Using Reverse-Phase Lectin Microarray.. *Frontiers in Oncology*, **2021**, 11, 735338	5.3	1
95	An IL-2-grafted antibody immunotherapy with potent efficacy against metastatic cancer. *Nature Communications*, **2020**, 11, 6440	17.4	17
94	Analysis of serum glycome by lectin microarrays for prostate cancer patients - a search for aberrant glycoforms. *Glycoconjugate Journal*, **2020**, 37, 703-711	3	2
93	Tumor cell endogenous HIF-1α activity induces aberrant angiogenesis and interacts with TRAF6 pathway required for colorectal cancer development. *Neoplasia*, **2020**, 22, 745-758	6.4	3
92	Non-Anticoagulant Heparan Sulfate from the Ascidian Prevents Colon Carcinoma Metastasis in Mice by Disrupting Platelet-Tumor Cell Interaction. *Cancers*, **2020**, 12,	6.6	4
91	Heparanase in Cancer Metastasis– Heparin as a Potential Inhibitor of Cell Adhesion Molecules. *Advances in Experimental Medicine and Biology*, **2020**, 1221, 309-329	3.6	3
90	Altered Cell Adhesion and Glycosylation Promote Cancer Immune Suppression and Metastasis. *Frontiers in Immunology*, **2019**, 10, 2120	8.4	67
89	Low infiltration of tumor-associated macrophages in high c-Myb-expressing breast tumors. *Scientific Reports*, **2019**, 9, 11634	4.9	7
88	Tunicate Heparan Sulfate Enriched in 2-Sulfated Glucuronic Acid: Structure, Anticoagulant Activity, and Inhibitory Effect on the Binding of Human Colon Adenocarcinoma Cells to Immobilized P-Selectin. *Marine Drugs*, **2019**, 17,	6	4
87	CCL2 Is a Vascular Permeability Factor Inducing CCR2-Dependent Endothelial Retraction during Lung Metastasis. *Molecular Cancer Research*, **2019**, 17, 783-793	6.6	22
86	Sulfated fucans and a sulfated galactan from sea urchins as potent inhibitors of selectin-dependent hematogenous metastasis. *Glycobiology*, **2018**, 28, 427-434	5.8	6
85	Single cell polarity in liquid phase facilitates tumour metastasis. *Nature Communications*, **2018**, 9, 887	17.4	30

84	Gut microbiota modulate T cell trafficking into human colorectal cancer. *Gut*, **2018**, 67, 1984-1994	19.2	109
83	Selectins in cancer immunity. *Glycobiology*, **2018**, 28, 648-655	5.8	67
82	Transcription factor c-Myb inhibits breast cancer lung metastasis by suppression of tumor cell seeding. *Oncogene*, **2018**, 37, 1020-1030	9.2	11
81	Abstract 1001: Gut microbiota modulate T cell trafficking into human colorectal cancer **2018**,		2
80	Overexpression of adaptor protein Ruk/CIN85 in mouse breast adenocarcinoma 4T1 cells induces an increased migration rate and invasion potential. *Biopolymers and Cell*, **2018**, 34, 284-291	0.3	1
79	Custom Glycosylation of Cells and Proteins Using Cyclic Carbamate-Derivatized Oligosaccharides. *Cell Chemical Biology*, **2017**, 24, 1336-1346.e3	8.2	5
78	Cell Adhesion During Tumorigenesis and Metastasis **2017**,		1
77	Stromal Expression of Activated Leukocyte Cell Adhesion Molecule Promotes Lung Tumor Growth and Metastasis. *American Journal of Pathology*, **2017**, 187, 2558-2569	5.8	7
76	A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. *Cancer Cell*, **2017**, 32, 342-359.e10	24.3	83
75	Antimetastatic Properties of Low Molecular Weight Heparin. *Journal of Clinical Oncology*, **2016**, 34, 2560-12	21.2	8
74	IL17A-Mediated Endothelial Breach Promotes Metastasis Formation. *Cancer Immunology Research*, **2016**, 4, 26-32	12.5	26
73	Targeting of CCL2-CCR2-Glycosaminoglycan Axis Using a CCL2 Decoy Protein Attenuates Metastasis through Inhibition of Tumor Cell Seeding. *Neoplasia*, **2016**, 18, 49-59	6.4	23
72	A novel pVHL-independent but NEMO-driven pathway in renal cancer promotes HIF stabilization. *Oncogene*, **2016**, 35, 3125-38	9.2	8
71	Transcriptional signature induced by a metastasis-promoting c-Src mutant in a human breast cell line. *FEBS Journal*, **2016**, 283, 1669-88	5.7	7
70	Breastfed at Tiffany's. *Trends in Biochemical Sciences*, **2016**, 41, 508-518	10.3	61
69	Monocyte Induction of E-Selectin-Mediated Endothelial Activation Releases VE-Cadherin Junctions to Promote Tumor Cell Extravasation in the Metastasis Cascade. *Cancer Research*, **2016**, 76, 5302-12	10.1	49
68	Nuclear heparanase-1 activity suppresses melanoma progression via its DNA-binding affinity. *Oncogene*, **2015**, 34, 5832-42	9.2	29
67	Targeted delivery of CCR2 antagonist to activated pulmonary endothelium prevents metastasis. *Journal of Controlled Release*, **2015**, 220, 341-347	11.7	23

66	Antitumor properties of a new non-anticoagulant heparin analog from the mollusk Nodipecten nodosus: Effect on P-selectin, heparanase, metastasis and cellular recruitment. *Glycobiology*, **2015**, 25, 386-93	5.8	38
65	VCAM-1 directed target-sensitive liposomes carrying CCR2 antagonists bind to activated endothelium and reduce adhesion and transmigration of monocytes. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 89, 18-29	5.7	37
64	VWF fibers induce thrombosis during cancer. *Blood*, **2015**, 125, 3042-3	2.2	3
63	Hypoxia attenuates the proinflammatory response in colon cancer cells by regulating IB. *Oncotarget*, **2015**, 6, 20288-301	3.3	16
62	CCL2-CCR2 Signaling in Disease Pathogenesis. *Endocrine, Metabolic and Immune Disorders - Drug Targets*, **2015**, 15, 105-18	2.2	91
61	Inhibition of chemokine receptor CCR2 reduces sarcoma cell transendothelial migration and metastasis to the lungs. *International Journal of Clinical Pharmacology and Therapeutics*, **2015**, 53, 1046-8	2	2
60	Stage dependent increase of CCL2 and CCL5 in peripheral blood of colorectal cancer patients.. *Journal of Clinical Oncology*, **2015**, 33, e22111-e22111	2.2	
59	Increasing the antitumor effect of an EpCAM-targeting fusion toxin by facile click PEGylation. *Molecular Cancer Therapeutics*, **2014**, 13, 375-85	6.1	31
58	Metastatic growth progression caused by PSGL-1-mediated recruitment of monocytes to metastatic sites. *Cancer Research*, **2014**, 74, 695-704	10.1	25
57	The role of VLA-4 binding for experimental melanoma metastasis and its inhibition by heparin. *Thrombosis Research*, **2014**, 133, 855-62	8.2	24
56	Decoding breast milk oligosaccharides. *Swiss Medical Weekly*, **2014**, 144, w13927	3.1	10
55	Altered tumor-cell glycosylation promotes metastasis. *Frontiers in Oncology*, **2014**, 4, 28	5.3	242
54	Inflammatory chemokines and metastasis--tracing the accessory. *Oncogene*, **2014**, 33, 3217-24	9.2	147
53	Milk oligosaccharide sialyl(2,3)lactose activates intestinal CD11c+ cells through TLR4. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 17444-9	11.5	72
52	Ontogenetic regulation of leukocyte recruitment in mouse yolk sac vessels. *Blood*, **2013**, 121, e118-28	2.2	27
51	Complete absence of the Gal xenoantigen and isoglobotrihexosylceramide in 1,3galactosyltransferase knock-out pigs. *Xenotransplantation*, **2012**, 19, 196-206	2.8	23
50	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. *Clinical and Experimental Metastasis*, **2012**, 29, 431-9	4.7	22
49	Endothelial CCR2 signaling induced by colon carcinoma cells enables extravasation via the JAK2-Stat5 and p38MAPK pathway. *Cancer Cell*, **2012**, 22, 91-105	24.3	213

48	Cancer cell adhesion and metastasis: selectins, integrins, and the inhibitory potential of heparins. *International Journal of Cell Biology*, **2012**, 2012, 676731	2.6	283
47	Volatile anesthetics reduce invasion of colorectal cancer cells through down-regulation of matrix metalloproteinase-9. *Anesthesiology*, **2012**, 117, 293-301	4.3	67
46	Sulfated hexasaccharides attenuate metastasis by inhibition of P-selectin and heparanase. *Neoplasia*, **2011**, 13, 445-52	6.4	40
45	Metal complex mediated conjugation of peptides to nucleus targeting acridine orange: a modular concept for dual-modality imaging agents. *Bioconjugate Chemistry*, **2011**, 22, 958-67	6.3	35
44	Trifunctional 99mTc based radiopharmaceuticals: metal-mediated conjugation of a peptide with a nucleus targeting intercalator. *Organic and Biomolecular Chemistry*, **2011**, 9, 1071-8	3.9	25
43	Ascidian dermatan sulfates attenuate metastasis, inflammation and thrombosis by inhibition of P-selectin. *Journal of Thrombosis and Haemostasis*, **2011**, 9, 1807-15	15.4	62
42	Prolyl-4-hydroxylase PHD2- and hypoxia-inducible factor 2-dependent regulation of amphiregulin contributes to breast tumorigenesis. *Oncogene*, **2011**, 30, 548-60	9.2	58
41	Deletion of L-selectin increases atherosclerosis development in ApoE-/- mice. *PLoS ONE*, **2011**, 6, e21675	3.7	16
40	Glycans in Cancer **2011**, 63-81		2
39	Milk sialyllactose influences colitis in mice through selective intestinal bacterial colonization. *Journal of Experimental Medicine*, **2010**, 207, 2843-54	16.6	90
38	Heparin as an inhibitor of cancer progression. *Progress in Molecular Biology and Translational Science*, **2010**, 93, 335-49	4	49
37	Antimetastatic activities of heparins and modified heparins. Experimental evidence. *Thrombosis Research*, **2010**, 125 Suppl 2, S66-71	8.2	79
36	Analysis of SM4 sulfatide as a P-selectin ligand using model membranes. *Biophysical Chemistry*, **2010**, 150, 98-104	3.5	15
35	Selectins as mediators of lung metastasis. *Cancer Microenvironment*, **2010**, 3, 97-105	6.1	64
34	Selectins promote tumor metastasis. *Seminars in Cancer Biology*, **2010**, 20, 169-77	12.7	302
33	Heparins attenuate cancer metastasis: are selectins the link?. *Cancer Investigation*, **2009**, 27, 474-81	2.1	22
32	Molecular basis of metastasis. *New England Journal of Medicine*, **2009**, 360, 1678-9; author reply 1679-80	59.2	11
31	Selectin-mediated activation of endothelial cells induces expression of CCL5 and promotes metastasis through recruitment of monocytes. *Blood*, **2009**, 114, 4583-91	2.2	108

30	The role of platelet activation in tumor metastasis. *Expert Review of Anticancer Therapy*, **2008**, 8, 1247-55	3.5	143
29	Poly(ADP-ribose) polymerase 1 promotes tumor cell survival by coactivating hypoxia-inducible factor-1-dependent gene expression. *Molecular Cancer Research*, **2008**, 6, 282-90	6.6	57
28	Selectins, Heparins, and Cancer: Rationale for Clinical Trials.. *Blood*, **2008**, 112, sci-20-sci-20	2.2	1
27	Cell-specific and nuclear targeting with [M(CO)(3)](+) (M=(99m)Tc, Re)-based complexes conjugated to acridine orange and bombesin. *Chemistry - A European Journal*, **2007**, 13, 3842-52	4.8	87
26	Antimetastatic activities of modified heparins: selectin inhibition by heparin attenuates metastasis. *Seminars in Thrombosis and Hemostasis*, **2007**, 33, 540-6	5.3	49
25	P-selectin- and heparanase-dependent antimetastatic activity of non-anticoagulant heparins. *FASEB Journal*, **2007**, 21, 3562-72	0.9	100
24	P-selectin mediates metastatic progression through binding to sulfatides on tumor cells. *Glycobiology*, **2007**, 17, 185-96	5.8	62
23	Heparin attenuates metastasis mainly due to inhibition of P- and L-selectin, but non-anticoagulant heparins can have additional effects. *Thrombosis Research*, **2007**, 120 Suppl 2, S107-11	8.2	94
22	Selectin blocking activity of a fucosylated chondroitin sulfate glycosaminoglycan from sea cucumber. Effect on tumor metastasis and neutrophil recruitment. *Journal of Biological Chemistry*, **2007**, 282, 14984-91	5.4	151
21	L-selectin facilitation of metastasis involves temporal induction of Fut7-dependent ligands at sites of tumor cell arrest. *Cancer Research*, **2006**, 66, 1536-42	10.1	127
20	Selectins facilitate carcinoma metastasis and heparin can prevent them. *Physiology*, **2004**, 19, 16-21	9.8	31
19	Increased primary tumor growth in mice null for beta3- or beta3/beta5-integrins or selectins. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 763-8	11.5	90
18	Non-anticoagulant effects of heparin in carcinoma metastasis and Trousseau's syndrome. *Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research*, **2003**, 33 Suppl 1, 64-6		7
17	Selectin-mucin interactions as a probable molecular explanation for the association of Trousseau syndrome with mucinous adenocarcinomas. *Journal of Clinical Investigation*, **2003**, 112, 853-62	15.9	95
16	Selectin-mucin interactions as a probable molecular explanation for the association of Trousseau syndrome with mucinous adenocarcinomas. *Journal of Clinical Investigation*, **2003**, 112, 853-862	15.9	183
15	Tumor attenuation by combined heparan sulfate and polyamine depletion. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 371-6	11.5	106
14	Synergistic effects of L- and P-selectin in facilitating tumor metastasis can involve non-mucin ligands and implicate leukocytes as enhancers of metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2193-8	11.5	341
13	P-selectin mediates the adhesion of sickle erythrocytes to the endothelium. *Blood*, **2001**, 98, 1955-62	2.2	169

12	Heparin and cancer revisited: mechanistic connections involving platelets, P-selectin, carcinoma mucins, and tumor metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 3352-7	11.5	549
11	Pictures in molecular medicine: three-dimensional visualization of intravascular tumor cells in mice. *Trends in Molecular Medicine*, **2001**, 7, 377	11.5	4
10	Localization of alpha 1,3-fucosyltransferase VI in Weibel-Palade bodies of human endothelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 8369-74	11.5	34
9	alpha1,3Fucosyltransferase VI is expressed in HepG2 cells and codistributed with beta1,4galactosyltransferase I in the golgi apparatus and monensin-induced swollen vesicles. *Glycobiology*, **1999**, 9, 1273-80	5.8	20
8	Distinct selectin ligands on colon carcinoma mucins can mediate pathological interactions among platelets, leukocytes, and endothelium. *American Journal of Pathology*, **1999**, 155, 461-72	5.8	160
7	Trafficking and localization studies of recombinant alpha1, 3-fucosyltransferase VI stably expressed in CHO cells. *Glycobiology*, **1998**, 8, 259-68	5.8	32
6	P-selectin deficiency attenuates tumor growth and metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 9325-30	11.5	378
5	A novel carbohydrate-deficient glycoprotein syndrome characterized by a deficiency in glucosylation of the dolichol-linked oligosaccharide. *Journal of Clinical Investigation*, **1998**, 102, 647-52	15.9	68
4	Expression and purification of His-tagged beta-1,4-galactosyltransferase in yeast and in COS cells. *Biochemical and Biophysical Research Communications*, **1997**, 240, 586-9	3.4	16
3	Recombinant soluble beta-1,4-galactosyltransferases expressed in Saccharomyces cerevisiae. Purification, characterization and comparison with human enzyme. *FEBS Journal*, **1996**, 239, 340-8		41
2	Immunodetection of alpha 1-3 fucosyltransferase (FucT-V). *European Journal of Cell Biology*, **1996**, 70, 42-53	6.1	18
1	Scaled-up expression of human alpha 2,6(N)sialyltransferase in Saccharomyces cerevisiae. *Biochemical and Biophysical Research Communications*, **1995**, 210, 14-20	3.4	26