

Neil Bhowmick

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119 papers	9,998 citations	43 h-index	99 g-index
145 ext. papers	10,945 ext. citations	6.5 avg, IF	6.03 L-index

#	Paper	IF	Citations
119	Stromal fibroblasts in cancer initiation and progression. <i>Nature</i> , 2004 , 432, 332-7	50.4	1811
118	TGF-beta signaling in fibroblasts modulates the oncogenic potential of adjacent epithelia. <i>Science</i> , 2004 , 303, 848-51	33.3	1141
117	Transforming growth factor-beta1 mediates epithelial to mesenchymal transdifferentiation through a RhoA-dependent mechanism. <i>Molecular Biology of the Cell</i> , 2001 , 12, 27-36	3.5	863
116	Phosphatidylinositol 3-kinase function is required for transforming growth factor beta-mediated epithelial to mesenchymal transition and cell migration. <i>Journal of Biological Chemistry</i> , 2000 , 275, 36803-10	5.4	770
115	Tumor-stroma interactions. <i>Current Opinion in Genetics and Development</i> , 2005 , 15, 97-101	4.9	366
114	Integrin beta 1 signaling is necessary for transforming growth factor-beta activation of p38MAPK and epithelial plasticity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46707-13	5.4	316
113	Role of EMT in Metastasis and Therapy Resistance. <i>Journal of Clinical Medicine</i> , 2016 , 5,	5.1	294
112	Large oncosomes in human prostate cancer tissues and in the circulation of mice with metastatic disease. <i>American Journal of Pathology</i> , 2012 , 181, 1573-84	5.8	249
111	Loss of TGF-beta type II receptor in fibroblasts promotes mammary carcinoma growth and invasion through upregulation of TGF-alpha-, MSP- and HGF-mediated signaling networks. <i>Oncogene</i> , 2005 , 24, 5053-68	9.2	236
110	Essential role of Smad3 in angiotensin II-induced vascular fibrosis. <i>Circulation Research</i> , 2006 , 98, 1032-9	15.7	185
109	Large oncosomes mediate intercellular transfer of functional microRNA. <i>Cell Cycle</i> , 2013 , 12, 3526-36	4.7	157
108	The nuclear factor-kappaB pathway controls the progression of prostate cancer to androgen-independent growth. <i>Cancer Research</i> , 2008 , 68, 6762-9	10.1	149
107	Altered TGF- β signaling in a subpopulation of human stromal cells promotes prostatic carcinogenesis. <i>Cancer Research</i> , 2011 , 71, 1272-81	10.1	137
106	Prostate tumor progression is mediated by a paracrine TGF-beta/Wnt3a signaling axis. <i>Oncogene</i> , 2008 , 27, 7118-30	9.2	125
105	Transgenic mice expressing a dominant-negative mutant type II transforming growth factor-beta receptor exhibit impaired mammary development and enhanced mammary tumor formation. <i>American Journal of Pathology</i> , 2003 , 163, 1539-49	5.8	113
104	The E3 ubiquitin ligase Siah2 contributes to castration-resistant prostate cancer by regulation of androgen receptor transcriptional activity. <i>Cancer Cell</i> , 2013 , 23, 332-46	24.3	107
103	TGF-beta-induced RhoA and p160ROCK activation is involved in the inhibition of Cdc25A with resultant cell-cycle arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 15548-53	11.5	105

102	Transforming growth factor beta-regulated gene expression in a mouse mammary gland epithelial cell line. <i>Breast Cancer Research</i> , 2003 , 5, R187-98	8.3	105
101	Transforming growth factor-beta promotes invasion in tumorigenic but not in nontumorigenic human prostatic epithelial cells. <i>Cancer Research</i> , 2006 , 66, 8007-16	10.1	95
100	Stromal transforming growth factor-beta signaling mediates prostatic response to androgen ablation by paracrine Wnt activity. <i>Cancer Research</i> , 2008 , 68, 4709-18	10.1	93
99	MYC Mediates Large Oncosome-Induced Fibroblast Reprogramming in Prostate Cancer. <i>Cancer Research</i> , 2017 , 77, 2306-2317	10.1	89
98	Identification of extracellular delta-catenin accumulation for prostate cancer detection. <i>Prostate</i> , 2009 , 69, 411-8	4.2	87
97	Detection of pre-neoplastic and neoplastic prostate disease by MALDI profiling of urine. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 829-34	3.4	85
96	The loss of TGF-beta signaling promotes prostate cancer metastasis. <i>Neoplasia</i> , 2003 , 5, 267-77	6.4	85
95	Directed differentiation of embryonic stem cells into bladder tissue. <i>Developmental Biology</i> , 2007 , 304, 556-66	3.1	83
94	Understanding the role of stromal fibroblasts in cancer progression. <i>Cell Adhesion and Migration</i> , 2012 , 6, 231-5	3.2	73
93	Dermal transforming growth factor-beta responsiveness mediates wound contraction and epithelial closure. <i>American Journal of Pathology</i> , 2010 , 176, 98-107	5.8	73
92	Role for stromal heterogeneity in prostate tumorigenesis. <i>Cancer Research</i> , 2011 , 71, 3459-70	10.1	70
91	Stromal epigenetic alterations drive metabolic and neuroendocrine prostate cancer reprogramming. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4472-4484	15.9	69
90	Serum methionine metabolites are risk factors for metastatic prostate cancer progression. <i>PLoS ONE</i> , 2011 , 6, e22486	3.7	66
89	FOXC1: an emerging marker and therapeutic target for cancer. <i>Oncogene</i> , 2017 , 36, 3957-3963	9.2	64
88	Directed differentiation of bone marrow derived mesenchymal stem cells into bladder urothelium. <i>Journal of Urology</i> , 2008 , 180, 1778-83	2.5	60
87	Yes-associated protein expression in head and neck squamous cell carcinoma nodal metastasis. <i>PLoS ONE</i> , 2011 , 6, e27529	3.7	57
86	A Review: Phytochemicals Targeting JAK/STAT Signaling and IDO Expression in Cancer. <i>Phytotherapy Research</i> , 2015 , 29, 805-17	6.7	56
85	A prodrug-doped cellular Trojan Horse for the potential treatment of prostate cancer. <i>Biomaterials</i> , 2016 , 91, 140-150	15.6	55

84	Loss of TGF- β responsiveness in prostate stromal cells alters chemokine levels and facilitates the development of mixed osteoblastic/osteolytic bone lesions. <i>Molecular Cancer Research</i> , 2012 , 10, 494-503	6.6	54
83	Mesenchymal stem cell recruitment and improved bladder function after bladder outlet obstruction: preliminary data. <i>Journal of Urology</i> , 2011 , 185, 1132-8	2.5	52
82	MicroRNA applications for prostate, ovarian and breast cancer in the era of precision medicine. <i>Endocrine-Related Cancer</i> , 2017 , 24, R157-R172	5.7	49
81	A comparison of Ku0063794, a dual mTORC1 and mTORC2 inhibitor, and temsirolimus in preclinical renal cell carcinoma models. <i>PLoS ONE</i> , 2013 , 8, e54918	3.7	49
80	Targeted delivery of paclitaxel to EphA2-expressing cancer cells. <i>Clinical Cancer Research</i> , 2013 , 19, 128-37	3.9	45
79	Chemokine markers predict biochemical recurrence of prostate cancer following prostatectomy. <i>Clinical Cancer Research</i> , 2008 , 14, 7790-7	12.9	45
78	Bone marrow derived mesenchymal stem cells incorporate into the prostate during regrowth. <i>PLoS ONE</i> , 2010 , 5, e12920	3.7	44
77	Autoimmune pancreatitis results from loss of TGF β signalling in S100A4-positive dendritic cells. <i>Gut</i> , 2009 , 58, 1267-74	19.2	43
76	Bone Metastasis of Prostate Cancer Can Be Therapeutically Targeted at the TBX2-WNT Signaling Axis. <i>Cancer Research</i> , 2017 , 77, 1331-1344	10.1	38
75	Heterogeneous cancer-associated fibroblast population potentiates neuroendocrine differentiation and castrate resistance in a CD105-dependent manner. <i>Oncogene</i> , 2019 , 38, 716-730	9.2	37
74	Myeloid-specific TGF- β signaling in bone promotes basic-FGF and breast cancer bone metastasis. <i>Oncogene</i> , 2016 , 35, 2370-8	9.2	36
73	Sabutoclax, a Mcl-1 antagonist, inhibits tumorigenesis in transgenic mouse and human xenograft models of prostate cancer. <i>Neoplasia</i> , 2012 , 14, 656-65	6.4	36
72	COVID-19 and androgen-targeted therapy for prostate cancer patients. <i>Endocrine-Related Cancer</i> , 2020 , 27, R281-R292	5.7	36
71	Urothelial transdifferentiation to prostate epithelia is mediated by paracrine TGF-beta signaling. <i>Differentiation</i> , 2009 , 77, 95-102	3.5	35
70	-Derived Lipopolysaccharide Combines Hypoxia to Induce Caspase-1 Activation in Periodontitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 474	5.9	34
69	Inflammation and pyroptosis mediate muscle expansion in an interleukin-1 β (IL-1 β)-dependent manner. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6574-83	5.4	34
68	A Phase I Study to Assess the Safety and Cancer-Homing Ability of Allogeneic Bone Marrow-Derived Mesenchymal Stem Cells in Men with Localized Prostate Cancer. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 441-449	6.9	33
67	Epithelial Hic-5/ARA55 expression contributes to prostate tumorigenesis and castrate responsiveness. <i>Oncogene</i> , 2011 , 30, 167-77	9.2	33

66	An Inhibitor of GSK3B and HDACs Kills Pancreatic Cancer Cells and Slows Pancreatic Tumor Growth and Metastasis in Mice. <i>Gastroenterology</i> , 2018 , 155, 1985-1998.e5	13.3	33
65	Reduction of Circulating Cancer Cells and Metastases in Breast-Cancer Models by a Potent EphA2-Agonistic Peptide-Drug Conjugate. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 2052-2061	8.3	32
64	NOD-like receptor C4 Inflammasome Regulates the Growth of Colon Cancer Liver Metastasis in NAFLD. <i>Hepatology</i> , 2019 , 70, 1582-1599	11.2	31
63	A reciprocal role of prostate cancer on stromal DNA damage. <i>Oncogene</i> , 2014 , 33, 4924-31	9.2	31
62	hCG-receptor binding and transmembrane signaling. <i>Molecular and Cellular Endocrinology</i> , 1996 , 125, 55-64	4.4	30
61	Mechanisms of hemorrhagic cystitis. <i>American Journal of Clinical and Experimental Urology</i> , 2014 , 2, 199-208		30
60	Loss of epithelial oestrogen receptor inhibits oestrogen-stimulated prostate proliferation and squamous metaplasia via in vivo tissue selective knockout models. <i>Journal of Pathology</i> , 2012 , 226, 17-27	9.4	28
59	Could stroma contribute to field cancerization?. <i>Medical Hypotheses</i> , 2010 , 75, 26-31	3.8	28
58	Signaling pathways regulating TC21-induced tumorigenesis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27713-20	5.4	28
57	Periodontal inflammation recruits distant metastatic breast cancer cells by increasing myeloid-derived suppressor cells. <i>Oncogene</i> , 2020 , 39, 1543-1556	9.2	28
56	Epigenetic changes in fibroblasts drive cancer metabolism and differentiation. <i>Endocrine-Related Cancer</i> , 2019 , 26, R673-R688	5.7	27
55	Recruitment of bone marrow derived cells to the bladder after bladder outlet obstruction. <i>Journal of Urology</i> , 2009 , 182, 1769-74	2.5	26
54	Cells Comprising the Prostate Cancer Microenvironment Lack Recurrent Clonal Somatic Genomic Aberrations. <i>Molecular Cancer Research</i> , 2016 , 14, 374-84	6.6	25
53	Temporal-spatial protein expression in bladder tissue derived from embryonic stem cells. <i>Journal of Urology</i> , 2008 , 180, 1784-9	2.5	25
52	Bladder stromal loss of transforming growth factor receptor II decreases fibrosis after bladder obstruction. <i>Journal of Urology</i> , 2009 , 182, 1775-80	2.5	22
51	Role of nicotinic and estrogen signaling during experimental acute and chronic bladder inflammation. <i>American Journal of Pathology</i> , 2008 , 172, 59-67	5.8	22
50	S-adenosylmethionine and methylthioadenosine inhibit cancer metastasis by targeting microRNA 34a/b-methionine adenosyltransferase 2A/2B axis. <i>Oncotarget</i> , 2017 , 8, 78851-78869	3.3	21
49	Bladder tissue formation from cultured bladder urothelium. <i>Developmental Dynamics</i> , 2006 , 235, 2795-801	2.9	19

48	SRC family kinase FYN promotes the neuroendocrine phenotype and visceral metastasis in advanced prostate cancer. <i>Oncotarget</i> , 2015 , 6, 44072-83	3.3	19
47	Stromal hyperplasia in male bladders upon loss of transforming growth factor-beta signaling in fibroblasts. <i>Journal of Urology</i> , 2005 , 174, 1704-7; discussion 1707	2.5	18
46	Antagonizing CD105 enhances radiation sensitivity in prostate cancer. <i>Oncogene</i> , 2018 , 37, 4385-4397	9.2	15
45	Androgen Receptor Regulation of Local Growth Hormone in Prostate Cancer Cells. <i>Endocrinology</i> , 2017 , 158, 2255-2268	4.8	14
44	Regulation of inside-out β -integrin activation by CDCP1. <i>Oncogene</i> , 2018 , 37, 2817-2836	9.2	14
43	Nicotinic signaling ameliorates acute bladder inflammation induced by protamine sulfate or cyclophosphamide. <i>Journal of Urology</i> , 2008 , 179, 2440-6	2.5	14
42	Transforming growth factor-beta (TGF-beta) and TGF-beta-associated kinase 1 are required for R-Ras-mediated transformation of mammary epithelial cells. <i>Cancer Research</i> , 2008 , 68, 6224-31	10.1	14
41	Gene targeting to the stroma of the prostate and bone. <i>Differentiation</i> , 2008 , 76, 606-23	3.5	12
40	Deconstructing tumor heterogeneity: the stromal perspective. <i>Oncotarget</i> , 2020 , 11, 3621-3632	3.3	12
39	Histone deacetylase inhibitors mediate DNA damage repair in ameliorating hemorrhagic cystitis. <i>Scientific Reports</i> , 2016 , 6, 39257	4.9	11
38	Identification of Ionizable Amino Acid Residues on the Extracellular Domain of the Lutropin Receptor Involved in Ligand Binding		10
37	Modulation of cabozantinib efficacy by the prostate tumor microenvironment. <i>Oncotarget</i> , 2017 , 8, 8789-8790	3.3	10
36	Brain Complete Response to Cabozantinib prior to Radiation Therapy in Metastatic Renal Cell Carcinoma. <i>Case Reports in Urology</i> , 2019 , 2019, 6769017	0.5	9
35	Circulating monocytes from prostate cancer patients promote invasion and motility of epithelial cells. <i>Cancer Medicine</i> , 2018 , 7, 4639-4649	4.8	9
34	Identification and characterization of small molecule inhibitors of the ubiquitin ligases Siah1/2 in melanoma and prostate cancer cells. <i>Cancer Letters</i> , 2019 , 449, 145-162	9.9	8
33	A Transcriptional Regulatory Loop of Master Regulator Transcription Factors, PPARG, and Fatty Acid Synthesis Promotes Esophageal Adenocarcinoma. <i>Cancer Research</i> , 2021 , 81, 1216-1229	10.1	8
32	Linking TGF-beta-mediated Cdc25A Inhibition and Cytoskeletal Tegelation through RhoA/p160ROCK Signaling. <i>Cell Cycle</i> , 2004 , 3, 406-408	4.7	7
31	Soluble Endoglin (sCD105) as a Novel Biomarker for Detecting Aggressive Prostate Cancer. <i>Anticancer Research</i> , 2020 , 40, 1459-1462	2.3	6

30	Soluble CD105 is prognostic of disease recurrence in prostate cancer patients. <i>Endocrine-Related Cancer</i> , 2020 , 27, 1-9	5.7	6
29	Combination Androgen Receptor Inhibition and Docetaxel in Metastatic Castration-sensitive Prostate Cancer: The Next Step in First-line Treatment?. <i>Clinical Genitourinary Cancer</i> , 2020 , 18, 425-428	3.3	5
28	Metastatic ability: adapting to a tissue site unseen. <i>Cancer Cell</i> , 2012 , 22, 563-4	24.3	5
27	Prostate Cancer Metastases Are Strongly Inhibited by Agonistic EphA2 Ligands in an Orthotopic Mouse Model. <i>Cancers</i> , 2020 , 12,	6.6	5
26	Visualization of Macropinocytosis in Prostate Fibroblasts. <i>Bio-protocol</i> , 2019 , 9,	0.9	4
25	Cancer epithelia-derived mitochondrial DNA is a targetable initiator of a paracrine signaling loop that confers taxane resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8515-8523	11.5	4
24	Bone marrow mesenchymal stem cells interact with head and neck squamous cell carcinoma cells to promote cancer progression and drug resistance. <i>Neoplasia</i> , 2021 , 23, 118-128	6.4	4
23	Clinical Utility of Olaparib in the Treatment of Metastatic Castration-Resistant Prostate Cancer: A Review of Current Evidence and Patient Selection. <i>OncoTargets and Therapy</i> , 2021 , 14, 4819-4832	4.4	4
22	Surface retention of an inactivating lutropin receptor mutant in exoloop 3. <i>Molecular and Cellular Biochemistry</i> , 1998 , 187, 221-7	4.2	3
21	Urothelial inhibition of transforming growth factor-beta in a bladder tissue recombination model. <i>Journal of Urology</i> , 2007 , 178, 1643-9	2.5	3
20	A chemokine regulatory loop induces cholesterol synthesis in lung-colonizing triple-negative breast cancer cells to fuel metastatic growth. <i>Molecular Therapy</i> , 2021 ,	11.7	3
19	Notch inhibitor screening reveals an unexpected HES1 heterodimer. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8295-8296	5.4	2
18	In Reply. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 739-740	6.9	1
17	A phase II study of cabozantinib in metastatic castration-resistant prostate cancer (mCRPC) with visceral metastases (VM) with very small nuclear circulating tumor cell (vsncTC) association studies.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 208-208	2.2	1
16	Albumin levels predict prognosis in advanced renal cell carcinoma treated with tyrosine kinase inhibitors: a systematic review and meta-analysis. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2022 , 40, 12.e13-12.e22	2.8	1
15	TGF- β Signaling in Fibroblastic Cells and Oncogenesis 2008 , 185-198		1
14	Antagonizing Glutamine Bioavailability Promotes Radiation Sensitivity in Prostate Cancer. <i>Cancers</i> , 2022 , 14, 2491	6.6	1
13	Plasma metabolomics to predict chemotherapy (CTX) response in advanced pancreatic cancer (PC) patients (pts) on enteral feeding for cachexia.. <i>Journal of Clinical Oncology</i> , 2022 , 40, 600-600	2.2	0

12	The adaptor protein SHCA launches cancer invasion. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10560-10561	5.1	o
11	ACTR-15. PHASE 1 TRIAL OF A KETOGENIC DIET IN PATIENTS RECEIVING STANDARD-OF-CARE TREATMENT FOR RECENTLY DIAGNOSED GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi15-vi15	1	o
10	Deregulated 14-3-3 ζ and methionine adenosyltransferase 1 interplay promotes liver cancer tumorigenesis in mice and humans. <i>Oncogene</i> , 2021 , 40, 5866-5879	9.2	o
9	First-line Immune Checkpoint Inhibitor Combinations in Metastatic Renal Cell Carcinoma: Where Are We Going, Where Have We Been?. <i>Drugs</i> , 2022 , 82, 439	12.1	o
8	A phase I study of first-line L-glutamine (Gln) with gemcitabine (gem) and nab-paclitaxel (nab-p) in advanced pancreatic cancer (GlutaPanc).. <i>Journal of Clinical Oncology</i> , 2022 , 40, TPS636-TPS636	2.2	
7	3D Co-culture System of Mouse Prostatic Wild-type Fibroblasts with Human Prostate Cancer Epithelial Cells. <i>Bio-protocol</i> , 2019 , 9, e3225	0.9	
6	A translational phase 2 study of cabozantinib in men with metastatic castration resistant prostate cancer with visceral metastases with characterization of circulating tumor cells and large oncosomes.. <i>Journal of Clinical Oncology</i> , 2014 , 32, e16080-e16080	2.2	
5	A phase 2 study of cabozantinib in metastatic castrate resistant prostate cancer (mCRPC) with visceral metastases (VM) with very small nuclear circulating tumor cell (vsnCTC) association studies.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e16552-e16552	2.2	
4	Circulating tumor cell subsets and macrophage polarization to predict efficacy of cabozantinib in advanced prostate cancer with visceral metastases.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 5031-5031	2.2	
3	Modeling Transforming Growth Factor- β Signaling in Cancer 2012 , 397-415		
2	Plasma Glutamine as a Prognostic Biomarker in Localized Prostate Cancer: Comparison of Conventional Variables in Risk Stratification. <i>Oncology</i> , 2021 , 35, 528-535	1.8	
1	Functional Diversity of Macropinocytosis.. <i>Sub-Cellular Biochemistry</i> , 2022 , 98, 3-14	5.5	