Burton B Yang

List of Publications by Year in Descending Order

133 papers	10,293 citations	57 h-index	100 g-index
138 ext. papers	12,015 ext. citations	7.2 avg, IF	6.38 L-index

#	Paper	IF	Citations
133	Promotion of tumor progression by exosome transmission of circular RNA circSKA3.. *Molecular Therapy - Nucleic Acids*, **2022**, 27, 276-292	10.7	1
132	Specific expression and functions of circular RNAs.. *Cell Death and Differentiation*, **2022**,	12.7	14
131	CircRNA perspective: new strategies for RNA therapy.. *Trends in Molecular Medicine*, **2022**,	11.5	2
130	The circular RNA circNlgnmediates doxorubicin-inducedcardiac remodeling and fibrosis.. *Molecular Therapy - Nucleic Acids*, **2022**, 28, 175-189	10.7	0
129	Tracking miR-17-5p Levels following Expression of Seven Reported Target mRNAs. *Cancers*, **2022**, 14, 2585	6.6	
128	Circular RNAs in cancer: Limitations in functional studies and diagnostic potential. *Seminars in Cancer Biology*, **2021**, 75, 49-61	12.7	17
127	Circular RNAs: Expression, localization, and therapeutic potentials. *Molecular Therapy*, **2021**, 29, 1683-1702	12.7	18
126	Targeting circular RNAs as a therapeutic approach: current strategies and challenges. *Signal Transduction and Targeted Therapy*, **2021**, 6, 185	21	41
125	Non-Coding RNAs in Invadopodia: New Insights Into Cancer Metastasis. *Frontiers in Oncology*, **2021**, 11, 681576	5.3	1
124	The emerging role and significance of circular RNAs in viral infections and antiviral immune responses: possible implication as theranostic agents. *RNA Biology*, **2021**, 18, 1-15	4.8	23
123	YAP Circular RNA, circYap, Attenuates Cardiac Fibrosis via Binding with Tropomyosin-4 and Gamma-Actin Decreasing Actin Polymerization. *Molecular Therapy*, **2021**, 29, 1138-1150	11.7	22
122	A Neuroligin Isoform Translated by circNlgn Contributes to Cardiac Remodeling. *Circulation Research*, **2021**, 129, 568-582	15.7	13
121	An antisense circular RNA circSCRIB enhances cancer progression by suppressing parental gene splicing and translation. *Molecular Therapy*, **2021**, 29, 2754-2768	11.7	8
120	The Emerging Functions of Circular RNAs in Bladder Cancer. *Cancers*, **2021**, 13,	6.6	2
119	Dietary Cyanidin-3-Glucoside Attenuates High-Fat-Diet-Induced Body-Weight Gain and Impairment of Glucose Tolerance in Mice via Effects on the Hepatic Hormone FGF21. *Journal of Nutrition*, **2020**, 150, 2101-2111	4.1	9
118	Metabolic regulation of Ganoderma lucidum extracts in high sugar and fat diet-induced obese mice by regulating the gut-brain axis. *Journal of Functional Foods*, **2020**, 65, 103639	5.1	8
117	The effect of spore oil in early skin wound healing: interactions of skin microbiota and inflammation. *Aging*, **2020**, 12, 14125-14140	5.6	2

116	Identification and characterization of chemical components in the bioactive fractions of that possess anticancer activity. *International Journal of Biological Sciences*, **2020**, 16, 61-73	11.2	7
115	The Circular RNA circSKA3 Binds Integrin 1 to Induce Invadopodium Formation Enhancing Breast Cancer Invasion. *Molecular Therapy*, **2020**, 28, 1287-1298	11.7	41
114	Rapid Development of Targeting circRNAs in Cardiovascular Diseases. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 568-576	10.7	16
113	Ganoderma lucidum spore oil induces apoptosis of breast cancer cells in vitro and in vivo by activating caspase-3 and caspase-9. *Journal of Ethnopharmacology*, **2020**, 247, 112256	5	48
112	A novel prognostic prediction tool for postoperative recurrence in patients with stage II/III colon cancer. *Cancer Communications*, **2019**, 39, 52	9.4	1
111	Ganoderiol F purified from retards cell cycle progression by inhibiting CDK4/CDK6. *Cell Cycle*, **2019**, 18, 3030-3043	4.7	7
110	The circular RNA circ-Ccnb1 dissociates Ccnb1/Cdk1 complex suppressing cell invasion and tumorigenesis. *Cancer Letters*, **2019**, 459, 216-226	9.9	58
109	Translation of yes-associated protein (YAP) was antagonized by its circular RNA via suppressing the assembly of the translation initiation machinery. *Cell Death and Differentiation*, **2019**, 26, 2758-2773	12.7	62
108	NEAT1 regulates neuroglial cell mediating A clearance via the epigenetic regulation of endocytosis-related genes expression. *Cellular and Molecular Life Sciences*, **2019**, 76, 3005-3018	10.3	39
107	Circbank: a comprehensive database for circRNA with standard nomenclature. *RNA Biology*, **2019**, 16, 899-905	4.8	132
106	Alcohol Extracts From Delay the Progress of Alzheimer's Disease by Regulating DNA Methylation in Rodents. *Frontiers in Pharmacology*, **2019**, 10, 272	5.6	13
105	LncRNA EPB41L4A-AS1 regulates glycolysis and glutaminolysis by mediating nucleolar translocation of HDAC2. *EBioMedicine*, **2019**, 41, 200-213	8.8	51
104	Overexpression of lncRNA EPB41L4A-AS1 Induces Metabolic Reprogramming in Trophoblast Cells and Placenta Tissue of Miscarriage. *Molecular Therapy - Nucleic Acids*, **2019**, 18, 518-532	10.7	13
103	Circular RNA NF1-419 enhances autophagy to ameliorate senile dementia by binding Dynamin-1 and Adaptor protein 2 B1 in AD-like mice. *Aging*, **2019**, 11, 12002-12031	5.6	30
102	Posttranscriptional regulation of AKT by circular RNA angiomotin- like 1 mediates chemoresistance against paclitaxel in breast cancer cells. *Aging*, **2019**, 11, 11369-11381	5.6	26
101	Neurexin-1 regulates neurite growth of rat hippocampal neurons. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2019**, 11, 115-125	3.4	
100	Long non-coding RNAs in ischemic stroke. *Cell Death and Disease*, **2018**, 9, 281	9.8	160
99	MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma. *Journal of Neuro-Oncology*, **2018**, 136, 63-71	4.8	15

98	miR-590-3p Promotes Ovarian Cancer Growth and Metastasis via a Novel FOXA2-Versican Pathway. *Cancer Research*, **2018**, 78, 4175-4190	10.1	65
97	Direct Quantitative Analysis of Multiple microRNAs (DQAMmiR) with Peptide Nucleic Acid Hybridization Probes. *Analytical Chemistry*, **2018**, 90, 14610-14615	7.8	7
96	The pro-metastasis effect of circANKS1B in breast cancer. *Molecular Cancer*, **2018**, 17, 160	42.1	157
95	Anticancer Activity of. *Cancers*, **2018**, 10,	6.6	10
94	Enhanced breast cancer progression by mutant p53 is inhibited by the circular RNA circ-Ccnb1. *Cell Death and Differentiation*, **2018**, 25, 2195-2208	12.7	80
93	A circular RNA circ-DNMT1 enhances breast cancer progression by activating autophagy. *Oncogene*, **2018**, 37, 5829-5842	9.2	145
92	Synthesis of 5,8-Ergosterol Peroxide 3-Carbamate Derivatives and a Fluorescent Mitochondria-Targeting Conjugate for Enhanced Anticancer Activities. *ChemMedChem*, **2017**, 12, 466-474	3.7	15
91	A circular RNA promotes tumorigenesis by inducing c-myc nuclear translocation. *Cell Death and Differentiation*, **2017**, 24, 1609-1620	12.7	196
90	Synthesis and biological evaluation of novel steroidal 5,8-endoperoxide derivatives with aliphatic side-chain as potential anticancer agents. *Steroids*, **2017**, 124, 46-53	2.8	15
89	Accurate MicroRNA Analysis in Crude Cell Lysate by Capillary Electrophoresis-Based Hybridization Assay in Comparison with Quantitative Reverse Transcription-Polymerase Chain Reaction. *Analytical Chemistry*, **2017**, 89, 4743-4748	7.8	15
88	Curcumin represses mouse 3T3-L1 cell adipogenic differentiation via inhibiting miR-17-5p and stimulating the Wnt signalling pathway effector Tcf7l2. *Cell Death and Disease*, **2017**, 8, e2559	9.8	52
87	Foxo3 circular RNA promotes cardiac senescence by modulating multiple factors associated with stress and senescence responses. *European Heart Journal*, **2017**, 38, 1402-1412	9.5	403
86	The Circular RNA Interacts with STAT3, Increasing Its Nuclear Translocation and Wound Repair by Modulating Dnmt3a and miR-17 Function. *Molecular Therapy*, **2017**, 25, 2062-2074	11.7	136
85	Induction of tumor apoptosis through a circular RNA enhancing Foxo3 activity. *Cell Death and Differentiation*, **2017**, 24, 357-370	12.7	366
84	Identifying and Characterizing circRNA-Protein Interaction. *Theranostics*, **2017**, 7, 4183-4191	12.1	316
83	A Circular RNA Binds To and Activates AKT Phosphorylation and Nuclear Localization Reducing Apoptosis and Enhancing Cardiac Repair. *Theranostics*, **2017**, 7, 3842-3855	12.1	206
82	Cytotoxic lanostane-type triterpenoids from the fruiting bodies of Ganoderma lucidum and their structure-activity relationships. *Oncotarget*, **2017**, 8, 10071-10084	3.3	32
81	EV71 virus-like particles produced by co-expression of capsid proteins in yeast cells elicit humoral protective response against EV71 lethal challenge. *BMC Research Notes*, **2016**, 9, 42	2.3	10

80	Foxo3 circular RNA retards cell cycle progression via forming ternary complexes with p21 and CDK2. *Nucleic Acids Research*, **2016**, 44, 2846-58	20.1	977
79	Stimulus-dependent dissociation between XB130 and Tks5 scaffold proteins promotes airway epithelial cell migration. *Oncotarget*, **2016**, 7, 76437-76452	3.3	5
78	The anti-cancer components of possesses cardiovascular protective effect by regulating circular RNA expression. *Oncoscience*, **2016**, 3, 203-207	0.8	39
77	Ergosterol peroxide activates Foxo3-mediated cell death signaling by inhibiting AKT and c-Myc in human hepatocellular carcinoma cells. *Oncotarget*, **2016**, 7, 33948-59	3.3	49
76	Noncoding RNAs in Tumor Angiogenesis. *Advances in Experimental Medicine and Biology*, **2016**, 927, 217-41	3.6	29
75	Achieving Single-Nucleotide Specificity in Direct Quantitative Analysis of Multiple MicroRNAs (DQAMmiR). *Analytical Chemistry*, **2016**, 88, 2472-7	7.8	18
74	Short-Term Curcumin Gavage Sensitizes Insulin Signaling in Dexamethasone-Treated C57BL/6 Mice. *Journal of Nutrition*, **2015**, 145, 2300-7	4.1	25
73	Inhibition of TRPM7 by carvacrol suppresses glioblastoma cell proliferation, migration and invasion. *Oncotarget*, **2015**, 6, 16321-40	3.3	75
72	Purification and identification of a polysaccharide from medicinal mushroom Amauroderma rude with immunomodulatory activity and inhibitory effect on tumor growth. *Oncotarget*, **2015**, 6, 17777-91	3.3	30
71	Inhibition of Dexamethasone-induced Fatty Liver Development by Reducing miR-17-5p Levels. *Molecular Therapy*, **2015**, 23, 1222-1233	11.7	23
70	Anti-tumor activity of miR-17 in melanoma. *Cell Cycle*, **2015**, 14, 2549-50	4.7	3
69	The microRNA miR-17-3p inhibits mouse cardiac fibroblast senescence by targeting Par4. *Journal of Cell Science*, **2015**, 128, 293-304	5.3	43
68	The Biological Functions of Non-coding RNAs: From a Line to a Circle. *Discoveries*, **2015**, 3, e48	3.7	5
67	Ergosterol purified from medicinal mushroom Amauroderma rude inhibits cancer growth in vitro and in vivo by up-regulating multiple tumor suppressors. *Oncotarget*, **2015**, 6, 17832-46	3.3	57
66	MicroRNA Regulated Stress Responses in Cancer **2015**, 107-126		
65	The microRNA miR-17-3p inhibits mouse cardiac fibroblast senescence by targeting Par4. *Development (Cambridge)*, **2015**, 142, e0306-e0306	6.6	0
64	The pseudogene TUSC2P promotes TUSC2 function by binding multiple microRNAs. *Nature Communications*, **2014**, 5, 2914	17.4	83
63	MicroRNA-17 inhibits tumor growth by stimulating T-cell mediated host immune response. *Oncoscience*, **2014**, 1, 531-9	0.8	30

62	Hypoxia-induced MIR155 is a potent autophagy inducer by targeting multiple players in the MTOR pathway. *Autophagy*, **2014**, 10, 70-9	10.2	134
61	Anti-microRNA-378a enhances wound healing process by upregulating integrin beta-3 and vimentin. *Molecular Therapy*, **2014**, 22, 1839-50	11.7	33
60	MicroRNA-in drug resistance. *Oncoscience*, **2014**, 1, 3-4	0.8	16
59	MicroRNA-17-5p promotes chemotherapeutic drug resistance and tumour metastasis of colorectal cancer by repressing PTEN expression. *Oncotarget*, **2014**, 5, 2974-87	3.3	172
58	Specificity of miR-378a-5p targeting rodent fibronectin. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 3272-3285	4.9	9
57	Versican 3Suntranslated region (3SUTR) functions as a ceRNA in inducing the development of hepatocellular carcinoma by regulating miRNA activity. *FASEB Journal*, **2013**, 27, 907-19	0.9	107
56	miRNAs regulate expression and function of extracellular matrix molecules. *Matrix Biology*, **2013**, 32, 74-85	11.4	89
55	Misprocessing and functional arrest of microRNAs by miR-Pirate: roles of miR-378 and miR-17. *Biochemical Journal*, **2013**, 450, 375-86	3.8	12
54	Mature miR-17-5p and passenger miR-17-3p induce hepatocellular carcinoma by targeting PTEN, GalNT7 and vimentin in different signal pathways. *Journal of Cell Science*, **2013**, 126, 1517-30	5.3	126
53	The intermediate filament vimentin mediates microRNA miR-378 function in cellular self-renewal by regulating the expression of the Sox2 transcription factor. *Journal of Biological Chemistry*, **2013**, 288, 319-31	5.4	41
52	MicroRNA miR-24 enhances tumor invasion and metastasis by targeting PTPN9 and PTPRF to promote EGF signaling. *Journal of Cell Science*, **2013**, 126, 1440-53	5.3	115
51	Both mature miR-17-5p and passenger strand miR-17-3p target TIMP3 and induce prostate tumor growth and invasion. *Nucleic Acids Research*, **2013**, 41, 9688-704	20.1	147
50	MiR-210 disturbs mitotic progression through regulating a group of mitosis-related genes. *Nucleic Acids Research*, **2013**, 41, 498-508	20.1	63
49	The role of versican in modulating breast cancer cell self-renewal. *Molecular Cancer Research*, **2013**, 11, 443-55	6.6	35
48	Friend or foe: the role of microRNA in chemotherapy resistance. *Acta Pharmacologica Sinica*, **2013**, 34, 870-9	8	83
47	Anticancer activity of Amauroderma rude. *PLoS ONE*, **2013**, 8, e66504	3.7	23
46	MicroRNA-378a-5p promotes trophoblast cell survival, migration and invasion by targeting Nodal. *Journal of Cell Science*, **2012**, 125, 3124-32	5.3	114
45	Ergosterol peroxide isolated from Ganoderma lucidum abolishes microRNA miR-378-mediated tumor cells on chemoresistance. *PLoS ONE*, **2012**, 7, e44579	3.7	60

44	MicroRNA miR-98 inhibits tumor angiogenesis and invasion by targeting activin receptor-like kinase-4 and matrix metalloproteinase-11. *Oncotarget*, **2012**, 3, 1370-85	3.3	119
43	The Non-coding 3?UTR of CD44 Induces Metastasis by Regulating Extracellular Matrix Functions. *Journal of Cell Science*, **2012**,	5.3	75
42	MiR-93 enhances angiogenesis and metastasis by targeting LATS2. *Cell Cycle*, **2012**, 11, 4352-65	4.7	161
41	An anti-let-7 sponge decoys and decays endogenous let-7 functions. *Cell Cycle*, **2012**, 11, 3097-108	4.7	41
40	The non-coding 3SUTR of CD44 induces metastasis by regulating extracellular matrix functions. *Journal of Cell Science*, **2012**, 125, 2075-85	5.3	58
39	The involvement of microRNAs in malignant transformation. *Histology and Histopathology*, **2012**, 27, 1263-70	1.4	37
38	Stress response of glioblastoma cells mediated by miR-17-5p targeting PTEN and the passenger strand miR-17-3p targeting MDM2. *Oncotarget*, **2012**, 3, 1653-68	3.3	93
37	A non-coding transcript of nephronectin promotes osteoblast differentiation by modulating microRNA functions. *FEBS Letters*, **2011**, 585, 2610-6	3.8	22
36	Expression of CD44 3Suntranslated region regulates endogenous microRNA functions in tumorigenesis and angiogenesis. *Nucleic Acids Research*, **2011**, 39, 3026-41	20.1	162
35	Micro-RNA378 (miR-378) regulates ovarian estradiol production by targeting aromatase. *Endocrinology*, **2011**, 152, 3941-51	4.8	154
34	MicroRNA miR-199a-3p regulates cell proliferation and survival by targeting caveolin-2. *Journal of Cell Science*, **2011**, 124, 2826-36	5.3	127
33	Expression of versican 3Suntranslated region modulates endogenous microRNA functions. *PLoS ONE*, **2010**, 5, e13599	3.7	117
32	miRNA-mediated functional changes through co-regulating function related genes. *PLoS ONE*, **2010**, 5, e13558	3.7	44
31	Nephronectin promotes osteoblast differentiation via the epidermal growth factor-like repeats. *FEBS Letters*, **2010**, 584, 233-8	3.8	37
30	Transforming growth factor-beta inhibits nephronectin-induced osteoblast differentiation. *FEBS Letters*, **2010**, 584, 2877-82	3.8	13
29	Versican G3 promotes mouse mammary tumor cell growth, migration, and metastasis by influencing EGF receptor signaling. *PLoS ONE*, **2010**, 5, e13828	3.7	52
28	A 3Suntranslated region (3SUTR) induces organ adhesion by regulating miR-199a* functions. *PLoS ONE*, **2009**, 4, e4527	3.7	92
27	MicroRNA miR-378 regulates nephronectin expression modulating osteoblast differentiation by targeting GalNT-7. *PLoS ONE*, **2009**, 4, e7535	3.7	140

26	MicroRNA MiR-17 retards tissue growth and represses fibronectin expression. *Nature Cell Biology*, **2009**, 11, 1031-8	23.4	182
25	The effect of central loops in miRNA:MRE duplexes on the efficiency of miRNA-mediated gene regulation. *PLoS ONE*, **2008**, 3, e1719	3.7	113
24	MicroRNA miR-328 regulates zonation morphogenesis by targeting CD44 expression. *PLoS ONE*, **2008**, 3, e2420	3.7	78
23	MicroRNA-378 promotes cell survival, tumor growth, and angiogenesis by targeting SuFu and Fus-1 expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20350-5	11.5	452
22	The ability of versican to simultaneously cause apoptotic resistance and sensitivity. *Cancer Research* , **2007**, 67, 4742-50	10.1	63
21	Versican G3 domain regulates neurite growth and synaptic transmission of hippocampal neurons by activation of epidermal growth factor receptor. *Journal of Biological Chemistry*, **2006**, 281, 19358-68	5.4	58
20	Versican mediates mesenchymal-epithelial transition. *Molecular Biology of the Cell*, **2006**, 17, 2009-20	3.5	74
19	MiRNA-directed regulation of VEGF and other angiogenic factors under hypoxia. *PLoS ONE*, **2006**, 1, e116	3.7	522
18	Tumour cell adhesion and integrin expression affected by Ganoderma lucidum. *Enzyme and Microbial Technology*, **2006**, 40, 32-41	3.8	22
17	Versican protects cells from oxidative stress-induced apoptosis. *Matrix Biology*, **2005**, 24, 3-13	11.4	71
16	The roles of versican V1 and V2 isoforms in cell proliferation and apoptosis. *Molecular Biology of the Cell*, **2005**, 16, 1330-40	3.5	131
15	Pseudolaric acid B, a novel microtubule-destabilizing agent that circumvents multidrug resistance phenotype and exhibits antitumor activity in vivo. *Clinical Cancer Research*, **2005**, 11, 6002-11	12.9	102
14	PG-M/versican binds to P-selectin glycoprotein ligand-1 and mediates leukocyte aggregation. *Journal of Cell Science*, **2004**, 117, 5887-95	5.3	63
13	Versican/PG-M G3 domain promotes tumor growth and angiogenesis. *FASEB Journal*, **2004**, 18, 754-6	0.9	141
12	Versican V1 isoform induces neuronal differentiation and promotes neurite outgrowth. *Molecular Biology of the Cell*, **2004**, 15, 2093-104	3.5	93
11	Overexpression of the C-terminal PG-M/versican domain impairs growth of tumor cells by intervening in the interaction between epidermal growth factor receptor and beta1-integrin. *Journal of Cell Science*, **2004**, 117, 2227-37	5.3	53
10	Identification of the motif in versican G3 domain that plays a dominant-negative effect on astrocytoma cell proliferation through inhibiting versican secretion and binding. *Journal of Biological Chemistry*, **2001**, 276, 14178-86	5.4	46
9	Versican modulates embryonic chondrocyte morphology via the epidermal growth factor-like motifs in G3. *Experimental Cell Research*, **2001**, 263, 33-42	4.2	37

8	Epidermal growth factor induces cell cycle arrest and apoptosis of squamous carcinoma cells through reduction of cell adhesion. *Journal of Cellular Biochemistry*, **2000**, 77, 569-583	4.7	39
7	The roles of matrix molecules in mediating chondrocyte aggregation, attachment, and spreading. *Journal of Cellular Biochemistry*, **2000**, 79, 322-33	4.7	28
6	Tandem repeats are involved in G1 domain inhibition of versican expression and secretion and the G3 domain enhances glycosaminoglycan modification and product secretion via the complement-binding protein-like motif. *Journal of Biological Chemistry*, **2000**, 275, 21255-61	5.4	41
5	Epidermal growth factor induces cell cycle arrest and apoptosis of squamous carcinoma cells through reduction of cell adhesion **2000**, 77, 569		1
4	Cell adhesion and proliferation mediated through the G1 domain of versican. *Journal of Cellular Biochemistry*, **1999**, 72, 210-20	4.7	90
3	Promotion of chondrocyte proliferation by versican mediated by G1 domain and EGF-like motifs **1999**, 73, 445-457		59
2	The G3 domain of versican inhibits mesenchymal chondrogenesis via the epidermal growth factor-like motifs. *Journal of Biological Chemistry*, **1998**, 273, 33054-63	5.4	51
1	The G3 domain of versican enhances cell proliferation via epidermial growth factor-like motifs. *Journal of Biological Chemistry*, **1998**, 273, 21342-51	5.4	127