

# Rupinder K Kanwar

## List of Publications by Year in descending order

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83  
papers

3,409  
citations

126708

33  
h-index

155451

55  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances on the Roles of NO in Cancer and Chronic Inflammatory Disorders. <i>Current Medicinal Chemistry</i> , 2009, 16, 2373-2394.	1.2	208
2	Progress on <i>Azadirachta indica</i> Based Biopesticides in Replacing Synthetic Toxic Pesticides. <i>Frontiers in Plant Science</i> , 2017, 8, 610.	1.7	169
3	Effects of Survivin Antagonists on Growth of Established Tumors and B7-1 Immunogene Therapy. <i>Journal of the National Cancer Institute</i> , 2001, 93, 1541-1552.	3.0	160
4	Chimeric aptamers in cancer cell-targeted drug delivery. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 459-477.	2.3	118
5	Nanoparticles in the treatment and diagnosis of neurological disorders: untamed dragon with fire power to heal. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 399-414.	1.7	111
6	Targeting survivin in cancer: the cell-signalling perspective. <i>Drug Discovery Today</i> , 2011, 16, 485-494.	3.2	110
7	Simultaneous neuroprotection and blockade of inflammation reverses autoimmune encephalomyelitis. <i>Brain</i> , 2004, 127, 1313-1331.	3.7	105
8	Multifunctional Iron Bound Lactoferrin and Nanomedicinal Approaches to Enhance Its Bioactive Functions. <i>Molecules</i> , 2015, 20, 9703-9731.	1.7	98
9	Novel alginate-enclosed chitosan-calcium phosphate-loaded iron-saturated bovine lactoferrin nanocarriers for oral delivery in colon cancer therapy. <i>Nanomedicine</i> , 2012, 7, 1521-1550.	1.7	95
10	Iron-saturated lactoferrin is a potent natural adjuvant for augmenting cancer chemotherapy. <i>Immunology and Cell Biology</i> , 2008, 86, 277-288.	1.0	86
11	Temporal Expression of Heat Shock Proteins 60 and 70 at Lesion-Prone Sites During Atherogenesis in ApoE-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1991-1997.	1.1	85
12	Iron-free and iron-saturated bovine lactoferrin inhibit survivin expression and differentially modulate apoptosis in breast cancer. <i>BMC Cancer</i> , 2015, 15, 425.	1.1	85
13	Neurological disorders and therapeutics targeted to surmount the blood&ndash;brain barrier. <i>International Journal of Nanomedicine</i> , 2012, 7, 3259.	3.3	84
14	LNA aptamer based multi-modal, Fe <sub>3</sub> O <sub>4</sub> -saturated lactoferrin (Fe <sub>3</sub> O <sub>4</sub> -bLf) nanocarriers for triple positive (EpCAM, CD133, CD44) colon tumor targeting and NIR, MRI and CT imaging. <i>Biomaterials</i> , 2015, 71, 84-99.	5.7	82
15	Survivin Signaling in Clinical Oncology: A Multifaceted Dragon. <i>Medicinal Research Reviews</i> , 2013, 33, 765-789.	5.0	79
16	Molecular and Biotechnological Advances in Milk Proteins in Relation to Human Health. <i>Current Protein and Peptide Science</i> , 2009, 10, 308-338.	0.7	75
17	EpCAM aptamer mediated cancer cell specific delivery of EpCAM siRNA using polymeric nanocomplex. <i>Journal of Biomedical Science</i> , 2015, 22, 4.	2.6	69
18	Clinical aspects for survivin: a crucial molecule for targeting drug-resistant cancers. <i>Drug Discovery Today</i> , 2015, 20, 578-587.	3.2	68

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19	Fe-bLf nanoformulation targets survivin to kill colon cancer stem cells and maintains absorption of iron, calcium and zinc. <i>Nanomedicine</i> , 2015, 10, 35-55.	1.7	65
20	Lactoferrin and cancer in different cancer models. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 1080.	0.8	61
21	The effect of oral administration of iron saturated-bovine lactoferrin encapsulated chitosan-nanocarriers on osteoarthritis. <i>Biomaterials</i> , 2014, 35, 7522-7534.	5.7	61
22	Prevention of a chronic progressive form of experimental autoimmune encephalomyelitis by an antibody against mucosal addressin cell adhesion molecule-1, given early in the course of disease progression. <i>Immunology and Cell Biology</i> , 2000, 78, 641-645.	1.0	58
23	Multifunctional and multitargeted nanoparticles for drug delivery to overcome barriers of drug resistance in human cancers. <i>Drug Discovery Today</i> , 2013, 18, 1292-1300.	3.2	57
24	Target-specific delivery of doxorubicin to retinoblastoma using epithelial cell adhesion molecule aptamer. <i>Molecular Vision</i> , 2012, 18, 2783-95.	1.1	51
25	Targeting survivin in cancer: patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 1723-1737.	2.4	47
26	Survivin: A target from brain cancer to neurodegenerative disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010, 45, 535-554.	2.3	46
27	MicroRNA in human cancer and chronic inflammatory diseases. <i>Frontiers in Bioscience - Scholar</i> , 2010, S2, 1113-1126.	0.8	45
28	Gut health immunomodulatory and anti-inflammatory functions of gut enzyme digested high protein micro-nutrient dietary supplement-Enprocal. <i>BMC Immunology</i> , 2009, 10, 7.	0.9	44
29	Doxorubicin Conjugated to Immunomodulatory Anticancer Lactoferrin Displays Improved Cytotoxicity Overcoming Prostate Cancer Chemo resistance and Inhibits Tumour Development in TRAMP Mice. <i>Scientific Reports</i> , 2016, 6, 32062.	1.6	39
30	Applications of aptamers in nanodelivery systems in cancer, eye and inflammatory diseases. <i>Nanomedicine</i> , 2010, 5, 1435-1445.	1.7	38
31	Antioxidant Enzyme Activities of Iron-Saturated Bovine Lactoferrin (Fe-bLf) in Human Gut Epithelial Cells Under Oxidative Stress. <i>Medicinal Chemistry</i> , 2011, 7, 224-230.	0.7	37
32	EpCAM Aptamer-siRNA Chimera Targets and Regress Epithelial Cancer. <i>PLoS ONE</i> , 2015, 10, e0132407.	1.1	35
33	Multimodal iron oxide (Fe <sub>3</sub> O <sub>4</sub> )-saturated lactoferrin nanocapsules as nanotheranostics for real-time imaging and breast cancer therapy of claudin-low, triple-negative (ER <sup>+</sup> /PR <sup>+</sup> /HER2 <sup>-</sup> ). <i>Nanomedicine</i> , 2016, 11, 249-268.	1.7	34
34	Antiangiogenic therapy using nanotechnological-based delivery system. <i>Drug Discovery Today</i> , 2011, 16, 188-202.	3.2	33
35	Aptamer-based therapeutics of the past, present and future: from the perspective of eye-related diseases. <i>Drug Discovery Today</i> , 2014, 19, 1309-1321.	3.2	33
36	Immunomodulatory Lactoferrin in the Regulation of Apoptosis Modulatory Proteins in Cancer. <i>Protein and Peptide Letters</i> , 2013, 20, 450-458.	0.4	31

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37	Proliferative and protective effects of SurR9-C84A on differentiated neural cells. <i>Journal of Neuroimmunology</i> , 2010, 227, 120-132.	1.1	27
38	Emerging engineered magnetic nanoparticulate probes for targeted MRI of atherosclerotic plaque macrophages. <i>Nanomedicine</i> , 2012, 7, 735-749.	1.7	24
39	Quick chip assay using locked nucleic acid modified epithelial cell adhesion molecule and nucleolin aptamers for the capture of circulating tumor cells. <i>Biomicrofluidics</i> , 2015, 9, 054110.	1.2	24
40	Studies to Prevent Degradation of Recombinant Fc-Fusion Protein Expressed in Mammalian Cell Line and Protein Characterization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 913.	1.8	24
41	Identification of Unprecedented Anticancer Properties of High Molecular Weight Biomacromolecular Complex Containing Bovine Lactoferrin (HMW-bLf). <i>PLoS ONE</i> , 2014, 9, e106568.	1.1	24
42	Targeting Cancer Cells Using LNA-Modified Aptamer-siRNA Chimeras. <i>Nucleic Acid Therapeutics</i> , 2015, 25, 317-322.	2.0	23
43	Immunomodulatory Lactoferrin in the Regulation of Apoptosis Modulatory Proteins in Cancer. <i>Protein and Peptide Letters</i> , 2013, 20, 450-458.	0.4	23
44	Emerging engineered magnetic nanoparticulate probes for molecular MRI of atherosclerosis: how far have we come?. <i>Nanomedicine</i> , 2012, 7, 899-916.	1.7	22
45	Chasing the personalized medicine dream through biomarker validation in colorectal cancer. <i>Drug Discovery Today</i> , 2017, 22, 111-119.	3.2	22
46	Survivin Mutant Protects Differentiated Dopaminergic SK-N-SH Cells Against Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e15865.	1.1	22
47	Applications of Nanomedicine in Antibacterial Medical Therapeutics and Diagnostics–!2009-08-26–!2009-11-25–!2010-02-24–!. <i>The Open Tropical Medicine Journal</i> , 2010, 3, 1-9.	0.3	22
48	Antiarthritic and chondroprotective activity of Lakshadi Guggul in novel alginate-enclosed chitosan calcium phosphate nanocarriers. <i>Nanomedicine</i> , 2014, 9, 819-837.	1.7	21
49	Chimeric nucleolin aptamer with survivin DNzyme for cancer cell targeted delivery. <i>Chemical Communications</i> , 2015, 51, 6940-6943.	2.2	21
50	Aged macular degeneration: current therapeutics for management and promising new drug candidates. <i>Drug Discovery Today</i> , 2017, 22, 1671-1679.	3.2	21
51	Requirements for ICAM-1 immunogene therapy of lymphoma. <i>Cancer Gene Therapy</i> , 2003, 10, 468-476.	2.2	20
52	Effect of lactoferrin protein on red blood cells and macrophages: mechanism of parasite&ndash;host interaction. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3821.	2.0	20
53	Oral administration of iron-saturated bovine lactoferrin&ndash;loaded ceramic nanocapsules for breast cancer therapy and influence on iron and calcium metabolism. <i>International Journal of Nanomedicine</i> , 2015, 10, 4081.	3.3	20
54	Nanocapsules loaded with iron-saturated bovine lactoferrin have antimicrobial therapeutic potential and maintain calcium, zinc and iron metabolism. <i>Nanomedicine</i> , 2015, 10, 1289-1314.	1.7	20

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55	Cancer Targeted Nanoparticles Specifically Induce Apoptosis in Cancer Cells and Spare Normal Cells. Australian Journal of Chemistry, 2012, 65, 5.	0.5	18
56	Locked nucleic acid modified bi-specific aptamer-targeted nanoparticles carrying survivin antagonist towards effective colon cancer therapy. RSC Advances, 2015, 5, 29008-29016.	1.7	18
57	Nucleolin-aptamer therapy in retinoblastoma: molecular changes and mass spectrometry-based imaging. Molecular Therapy - Nucleic Acids, 2016, 5, e358.	2.3	18
58	Lactoferrin induced neuronal differentiation: A boon for brain tumours. International Journal of Developmental Neuroscience, 2015, 41, 28-36.	0.7	17
59	Biodegradable Eri silk nanoparticles as a delivery vehicle for bovine lactoferrin against MDA-MB-231 and MCF-7 breast cancer cells. International Journal of Nanomedicine, 2015, 11, 25.	3.3	15
60	Novel survivin mutant protects differentiated SK-N-SH human neuroblastoma cells from activated T-cell neurotoxicity. Journal of Neuroimmunology, 2011, 233, 18-28.	1.1	14
61	Cissus quadrangularis inhibits IL-1&beta; induced inflammatory responses on chondrocytes and alleviates bone deterioration in osteotomized rats&nbsp;via p38 MAPK signaling. Drug Design, Development and Therapy, 2015, 9, 2927.	2.0	14
62	A pseudosymmetric cell adhesion regulatory domain in the Î²7 tail of the integrin Î±4Î²7 that interacts with focal adhesion kinase and src. European Journal of Immunology, 2006, 36, 2203-2214.	1.6	13
63	Role of nanomedicine in reversing drug resistance mediated by ATP binding cassette transporters and P-glycoprotein in melanoma. Nanomedicine, 2011, 6, 701-714.	1.7	13
64	Cell-penetrating properties of the transactivator of transcription and polyarginine (R9) peptides, their conjugative effect on nanoparticles and the prospect of conjugation with arsenic trioxide. Anti-Cancer Drugs, 2012, 23, 471-482.	0.7	13
65	The role of nanomedicine in cell based therapeutics in cancer and inflammation. International Journal of Molecular and Cellular Medicine, 2012, 1, 133-44.	1.1	13
66	Nanotechnology based platforms for survivin targeted drug discovery. Expert Opinion on Drug Discovery, 2012, 7, 1083-1092.	2.5	12
67	Targeting Hepatitis B Virus and Human Papillomavirus Induced Carcinogenesis: Novel Patented Therapeutics. Recent Patents on Anti-infective Drug Discovery, 2011, 6, 158-174.	0.5	11
68	Nanoformulated cell-penetrating survivin mutant and its dual actions. International Journal of Nanomedicine, 2014, 9, 3279.	3.3	11
69	Targeting CD44, ABCG2 and CD133 markers using aptamers: in silico analysis of CD133 extracellular domain 2 and its aptamer. RSC Advances, 2016, 6, 32115-32123.	1.7	11
70	Novel nanoplatform for oral delivery of anti-cancer biomacromolecules. International Journal of Nanotechnology, 2012, 9, 942.	0.1	10
71	Competitive inhibition of survivin using a&nbsp;cell-permeable recombinant protein induces cancer-specific apoptosis in colon cancer model. International Journal of Nanomedicine, 2015, 10, 1019.	3.3	10
72	Theranostic multimodular potential of zinc-doped ferrite-saturated metal-binding protein-loaded novel nanocapsules in cancers. International Journal of Nanomedicine, 2016, 11, 1349.	3.3	10

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73	Antiparasitic and immunomodulatory potential of oral nanocapsules encapsulated lactoferrin protein against <i>Plasmodium berghei</i> . <i>Nanomedicine</i> , 2016, 11, 47-62.	1.7	10
74	Recent Advances on the Possible Neuroprotective Activities of Epstein- Barr Virus Oncogene BARRF1 Protein in Chronic Inflammatory Disorders of Central Nervous System. <i>Current Neuropharmacology</i> , 2010, 8, 268-275.	1.4	10
75	Mucosal vascular addressin cell adhesion molecule-1 is expressed outside the endothelial lineage on fibroblasts and melanoma cells. <i>Immunology and Cell Biology</i> , 2003, 81, 320-327.	1.0	9
76	Neurobehavioral burden of multiple sclerosis with&nbsp;nanotheranostics. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 2675.	1.0	6
77	E-Cadherin Aptamer-Conjugated Delivery of Doxorubicin for Targeted Inhibition of Prostate Cancer Cells. <i>Australian Journal of Chemistry</i> , 2016, 69, 1108.	0.5	6
78	A Study of Gene Expression of Survivin, its Antiapoptotic Variants, and Targeting Survivin In Vitro for Therapy in Retinoblastoma. <i>Journal of Pediatric Hematology/Oncology</i> , 2016, 38, e230-e242.	0.3	4
79	Brain targeted PLGA nanocarriers alleviating amyloid- $\beta$ expression and preserving basal survivin in degenerating mice model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2423-2431.	1.8	3
80	Topical Ophthalmic Formulation of Trichostatin A and SurR9-C84A for Quick Recovery Post-alkali Burn of Corneal Haze. <i>Frontiers in Pharmacology</i> , 2017, 8, 223.	1.6	3
81	Multimodal Nanomedicine Strategies for Targeting Cancer Cells as well as Cancer Stem Cell Signalling Mechanisms. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 17, 1688-1695.	1.1	3
82	Ophthalmic Combination of SurR9-C84A and Trichostatin-A Targeting Molecular Pathogenesis of Alkali Burn. <i>Frontiers in Pharmacology</i> , 2016, 7, 226.	1.6	1
83	Nanoparticles Advancing Cancer Immunotherapy. , 2019, , 283-304.		1