

# Jagat R Kanwar

## List of Publications by Citations

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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.

91  
papers

2,384  
citations

28  
h-index

45  
g-index

100  
ext. papers

2,669  
ext. citations

5.2  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
91	Recent advances on the roles of NO in cancer and chronic inflammatory disorders. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 2373-94	4.3	178
90	Chimeric aptamers in cancer cell-targeted drug delivery. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2011</b> , 46, 459-77	8.7	106
89	Targeting survivin in cancer: the cell-signalling perspective. <i>Drug Discovery Today</i> , <b>2011</b> , 16, 485-94	8.8	95
88	Progress on Based Biopesticides in Replacing Synthetic Toxic Pesticides. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 610	6.2	94
87	Nanoparticles in the treatment and diagnosis of neurological disorders: untamed dragon with fire power to heal. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2012</b> , 8, 399-414	6	90
86	Novel alginate-enclosed chitosan-calcium phosphate-loaded iron-saturated bovine lactoferrin nanocarriers for oral delivery in colon cancer therapy. <i>Nanomedicine</i> , <b>2012</b> , 7, 1521-50	5.6	80
85	Multifunctional iron bound lactoferrin and nanomedicinal approaches to enhance its bioactive functions. <i>Molecules</i> , <b>2015</b> , 20, 9703-31	4.8	73
84	Neurological disorders and therapeutics targeted to surmount the blood-brain barrier. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 3259-78	7.3	70
83	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> , <b>2015</b> , 71, 84-99	15.6	69
82	Survivin signaling in clinical oncology: a multifaceted dragon. <i>Medicinal Research Reviews</i> , <b>2013</b> , 33, 765-89	11.4	66
81	'Iron-saturated' lactoferrin is a potent natural adjuvant for augmenting cancer chemotherapy. <i>Immunology and Cell Biology</i> , <b>2008</b> , 86, 277-88	5	66
80	EpCAM aptamer mediated cancer cell specific delivery of EpCAM siRNA using polymeric nanocomplex. <i>Journal of Biomedical Science</i> , <b>2015</b> , 22, 4	13.3	60
79	Clinical aspects for survivin: a crucial molecule for targeting drug-resistant cancers. <i>Drug Discovery Today</i> , <b>2015</b> , 20, 578-87	8.8	60
78	Iron-free and iron-saturated bovine lactoferrin inhibit survivin expression and differentially modulate apoptosis in breast cancer. <i>BMC Cancer</i> , <b>2015</b> , 15, 425	4.8	57
77	Fe-bLF nanoformulation targets survivin to kill colon cancer stem cells and maintains absorption of iron, calcium and zinc. <i>Nanomedicine</i> , <b>2015</b> , 10, 35-55	5.6	54
76	The effect of oral administration of iron saturated-bovine lactoferrin encapsulated chitosan-nanocarriers on osteoarthritis. <i>Biomaterials</i> , <b>2014</b> , 35, 7522-34	15.6	52
75	Lactoferrin and cancer in different cancer models. <i>Frontiers in Bioscience - Scholar</i> , <b>2011</b> , 3, 1080-8	2.4	46

74	Nucleic acid-based aptamers: applications, development and clinical trials. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 2539-57	4.3	42
73	Evaluation of the cytotoxicity, cell-cycle arrest, and apoptotic induction by <i>Euphorbia hirta</i> in MCF-7 breast cancer cells. <i>Pharmaceutical Biology</i> , <b>2016</b> , 54, 1223-36	3.8	41
72	Inhibition of HDAC3- and HDAC6-Promoted Survivin Expression Plays an Important Role in SAHA-Induced Autophagy and Viability Reduction in Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 81	5.6	41
71	Targeting survivin in cancer: patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2010</b> , 20, 1723-37	6.8	37
70	MicroRNA in human cancer and chronic inflammatory diseases. <i>Frontiers in Bioscience - Scholar</i> , <b>2010</b> , 2, 1113-26	2.4	35
69	EpCAM Aptamer-siRNA Chimera Targets and Regress Epithelial Cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132407	3.7	33
68	Antioxidant enzyme activities of iron-saturated bovine lactoferrin (Fe-bLf) in human gut epithelial cells under oxidative stress. <i>Medicinal Chemistry</i> , <b>2011</b> , 7, 224-30	1.8	31
67	Applications of aptamers in nanodelivery systems in cancer, eye and inflammatory diseases. <i>Nanomedicine</i> , <b>2010</b> , 5, 1435-45	5.6	30
66	Inflammatory Bowel Disease: Pathogenesis, Causative Factors, Issues, Drug Treatment Strategies, and Delivery Approaches. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , <b>2015</b> , 32, 181-214	2.8	29
65	Antiangiogenic therapy using nanotechnological-based delivery system. <i>Drug Discovery Today</i> , <b>2011</b> , 16, 188-202	8.8	29
64	Curcumin Regulates Colon Cancer by Inhibiting P-Glycoprotein in Cancerous Colon Perfusion Rat Model. <i>Journal of Cancer Science &amp; Therapy</i> , <b>2013</b> , 5, 313-319	5	29
63	Recent advances in nanomedicine and survivin targeting in brain cancers. <i>Nanomedicine</i> , <b>2018</b> , 13, 105-137	3.7	28
62	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> , <b>2016</b> , 6, 32062	4.9	26
61	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(-)/PR(-)/HER2(-)). <i>Nanomedicine</i> , <b>2016</b> , 11, 249-68	5.6	25
60	Aptamer-based therapeutics of the past, present and future: from the perspective of eye-related diseases. <i>Drug Discovery Today</i> , <b>2014</b> , 19, 1309-21	8.8	25
59	Clinico-Pathological Association of Delineated miRNAs in Uveal Melanoma with Monosomy 3/Disomy 3 Chromosomal Aberrations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146128	3.7	23
58	Immunomodulatory Lactoferrin in the Regulation of Apoptosis Modulatory Proteins in Cancer. <i>Protein and Peptide Letters</i> , <b>2013</b> , 20, 450-458	1.9	23
57	Targeting Cancer Cells Using LNA-Modified Aptamer-siRNA Chimeras. <i>Nucleic Acid Therapeutics</i> , <b>2015</b> , 25, 317-22	4.8	19

56	Radioprotective activity of Polyalthia longifolia standardized extract against X-ray radiation injury in mice. <i>Physica Medica</i> , <b>2016</b> , 32, 150-61	2.7	19
55	Aged macular degeneration: current therapeutics for management and promising new drug candidates. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 1671-1679	8.8	19
54	Chasing the personalized medicine dream through biomarker validation in colorectal cancer. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 111-119	8.8	19
53	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> , <b>2015</b> , 9, 054110	3.2	18
52	Oral administration of iron-saturated bovine lactoferrin-loaded ceramic nanocapsules for breast cancer therapy and influence on iron and calcium metabolism. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 4081-98	7.3	18
51	Identification of unprecedented anticancer properties of high molecular weight biomacromolecular complex containing bovine lactoferrin (HMW-bLf). <i>PLoS ONE</i> , <b>2014</b> , 9, e106568	3.7	18
50	Nanomedicine based nanoparticles for neurological disorders. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 4154-68	4.3	18
49	Aptamer-targeted oligonucleotide theranostics: a smarter approach for brain delivery and the treatment of neurological diseases. <i>Current Topics in Medicinal Chemistry</i> , <b>2015</b> , 15, 1115-24	3	17
48	Phaleria macrocarpa (Boerl.) fruit induce G/G and G/M cell cycle arrest and apoptosis through mitochondria-mediated pathway in MDA-MB-231 human breast cancer cell. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 201, 42-55	5	16
47	Locked nucleic acid modified bi-specific aptamer-targeted nanoparticles carrying survivin antagonist towards effective colon cancer therapy. <i>RSC Advances</i> , <b>2015</b> , 5, 29008-29016	3.7	16
46	Effect of selenium-saturated bovine lactoferrin (Se-bLf) on antioxidant enzyme activities in human gut epithelial cells under oxidative stress. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2011</b> , 11, 762-71	2.2	16
45	Studies to Prevent Degradation of Recombinant Fc-Fusion Protein Expressed in Mammalian Cell Line and Protein Characterization. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	15
44	Polyalthia longifolia Methanolic Leaf Extracts (PLME) induce apoptosis, cell cycle arrest and mitochondrial potential depolarization by possibly modulating the redox status in hela cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 89, 499-514	7.5	14
43	Argon gas plasma to decontaminate and extend shelf life of milk. <i>Plasma Processes and Polymers</i> , <b>2017</b> , 14, 1600242	3.4	14
42	Nanocapsules loaded with iron-saturated bovine lactoferrin have antimicrobial therapeutic potential and maintain calcium, zinc and iron metabolism. <i>Nanomedicine</i> , <b>2015</b> , 10, 1289-314	5.6	14
41	Cissus quadrangularis inhibits IL-1 $\alpha$ induced inflammatory responses on chondrocytes and alleviates bone deterioration in osteotomized rats via p38 MAPK signaling. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 2927-40	4.4	13
40	Evaluation of the Genotoxic Potential against H <sub>2</sub> O <sub>2</sub> -Radical-Mediated DNA Damage and Acute Oral Toxicity of Standardized Extract of Polyalthia longifolia Leaf. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 925380	2.3	13
39	Biodegradable Eri silk nanoparticles as a delivery vehicle for bovine lactoferrin against MDA-MB-231 and MCF-7 breast cancer cells. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 25-44	7.3	12

38	The role of nanomedicine in cell based therapeutics in cancer and inflammation. <i>International Journal of Molecular and Cellular Medicine</i> , <b>2012</b> , 1, 133-44	1.2	12
37	Standardized Polyalthia longifolia leaf extract (PLME) inhibits cell proliferation and promotes apoptosis: The anti-cancer study with various microscopy methods. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 91, 366-377	7.5	11
36	Characterization and Molecular Mechanism of Peptide-Conjugated Gold Nanoparticle Inhibiting p53-HDM2 Interaction in Retinoblastoma. <i>Molecular Therapy - Nucleic Acids</i> , <b>2017</b> , 9, 349-364	10.7	10
35	Effect of lactoferrin protein on red blood cells and macrophages: mechanism of parasite-host interaction. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 3821-35	4.4	10
34	Nanoformulated cell-penetrating survivin mutant and its dual actions. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 3279-98	7.3	10
33	Nucleolin-aptamer therapy in retinoblastoma: molecular changes and mass spectrometry-based imaging. <i>Molecular Therapy - Nucleic Acids</i> , <b>2016</b> , 5, e358	10.7	10
32	In vitro and in vivo toxicity assessment of alginate/eudragit S 100-enclosed chitosan-calcium phosphate-loaded iron saturated bovine lactoferrin nanocapsules (Fe-bLf NCs). <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 97, 26-37	7.5	10
31	Competitive inhibition of survivin using a cell-permeable recombinant protein induces cancer-specific apoptosis in colon cancer model. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 1019-43	7.3	9
30	Lactoferrin induced neuronal differentiation: A boon for brain tumours. <i>International Journal of Developmental Neuroscience</i> , <b>2015</b> , 41, 28-36	2.7	9
29	Functional Analysis of Circular RNAs. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1087, 95-105	3.6	9
28	Genetic diversity of Plasmodium falciparum merozoite surface protein-1 (block 2), glutamate-rich protein and sexual stage antigen Pfs25 from Chandigarh, North India. <i>Tropical Medicine and International Health</i> , <b>2017</b> , 22, 1590-1598	2.3	8
27	Theranostic multimodular potential of zinc-doped ferrite-saturated metal-binding protein-loaded novel nanocapsules in cancers. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 1349-66	7.3	8
26	Targeting HSP90/Survivin using a cell permeable structure based peptido-mimetic shepherdin in retinoblastoma. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 252, 141-9	5	8
25	Nanotheranostic Based Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> ) Saturated Lactoferrin Nanocapsules for Colonic Adenocarcinoma. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 1758-73	4	8
24	Antiparasitic and immunomodulatory potential of oral nanocapsules encapsulated lactoferrin protein against Plasmodium berghei. <i>Nanomedicine</i> , <b>2016</b> , 11, 47-62	5.6	7
23	Role of nanomedicine in reversing drug resistance mediated by ATP binding cassette transporters and P-glycoprotein in melanoma. <i>Nanomedicine</i> , <b>2011</b> , 6, 701-14	5.6	7
22	Targeted multimodal liposomes for nano-delivery and imaging: an avenger for drug resistance and cancer. <i>Current Gene Therapy</i> , <b>2013</b> , 13, 322-34	4.3	7
21	Survivin Modulators: An Updated Patent Review (2011-2015). <i>Recent Patents on Anti-Cancer Drug Discovery</i> , <b>2016</b> , 11, 152-69	2.6	7

20	Exploration of the anticandidal mechanism of <i>Cassia spectabilis</i> in debilitating candidiasis. <i>Journal of Traditional and Complementary Medicine</i> , <b>2016</b> , 6, 97-104	4.6	6
19	<i>Psammomys obesus</i> : a Natural Diet-Controlled Model for Diabetes and Cardiovascular Diseases. <i>Current Atherosclerosis Reports</i> , <b>2018</b> , 20, 46	6	6
18	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. <i>Anti-Cancer Drugs</i> , <b>2012</b> , 23, 471-82	2.4	6
17	Targeting CD44, ABCG2 and CD133 markers using aptamers: in silico analysis of CD133 extracellular domain 2 and its aptamer. <i>RSC Advances</i> , <b>2016</b> , 6, 32115-32123	3.7	6
16	Neurobehavioral burden of multiple sclerosis with nanotheranostics. <i>Neuropsychiatric Disease and Treatment</i> , <b>2015</b> , 11, 2675-89	3.1	5
15	In situ morphological assessment of apoptosis induced by <i>Phaleria macrocarpa</i> (Boerl.) fruit ethyl acetate fraction (PMEAF) in MDA-MB-231 cells by microscopy observation. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 87, 609-620	7.5	4
14	Anticancer Activity and Molecular Mechanism of Polyphenol Rich <i>Calophyllum inophyllum</i> Fruit Extract in MCF-7 Breast Cancer Cells. <i>Nutrition and Cancer</i> , <b>2017</b> , 69, 1308-1324	2.8	4
13	Genoprotection and Cytotoxicity of <i>Cassia surattensis</i> Seed Extract on Vero Cell Evaluated by Comet and Cytotoxicity Assays. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2018</b> , 88, 313-320	1.4	4
12	Corrosion of porous Ti35Zr28Nb in Hank's solution and 3.5 wt% NaCl. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2019</b> , 70, 529-536	1.6	4
11	and anticandidal activities of alginate-enclosed chitosan-calcium phosphate-loaded Fe-bovine lactoferrin nanocapsules. <i>Future Science OA</i> , <b>2018</b> , 4, FSO257	2.7	3
10	Generating different profiles of gradient concentrations inside a gel-filled chamber: design and simulation. <i>Microsystem Technologies</i> , <b>2013</b> , 19, 623-628	1.7	3
9	Current protein-based anti-angiogenic therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2014</b> , 14, 291-332	3.2	3
8	Redox Control of Antioxidant and Antihepatotoxic Activities of Seed Extract against Paracetamol Intoxication in Mice: In Vitro and In Vivo Studies of Herbal Green Antioxidant. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 6841348	6.7	3
7	Studies on In vitro Interaction of Ampicillin and <i>Polyalthia longifolia</i> Leaf Ethyl Acetate Fraction (PLEAF) by Checkerboard Method Against Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Current Bioactive Compounds</i> , <b>2020</b> , 16, 1049-1062	0.9	2
6	Multimodal Nanomedicine Strategies for Targeting Cancer Cells as well as Cancer Stem Cell Signalling Mechanisms. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2017</b> , 17, 1688-1695	3.2	2
5	MicroRNA profiling in MDA-MB-231 human breast cancer cell exposed to the <i>Phaleria macrocarpa</i> (Boerl.) fruit ethyl acetate fraction (PMEAF) through Illumina Hi-Seq technologies and various in silico bioinformatics tools. <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 213, 118-131	5	2
4	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> , <b>2015</b> , 1852, 2423-31	6.9	1
3	Topical Ophthalmic Formulation of Trichostatin A and SurR9-C84A for Quick Recovery Post-alkali Burn of Corneal Haze. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 223	5.6	1

2	Exploring the room for repurposed hydroxychloroquine to impede COVID-19: toxicities and multipronged combination approaches with pharmaceutical insights. <i>Expert Review of Clinical Pharmacology</i> , <b>2021</b> , 14, 715-734	3.8	1
1	Ophthalmic Combination of SurR9-C84A and Trichostatin-A Targeting Molecular Pathogenesis of Alkali Burn. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 226	5.6	1