

Jagat R Kanwar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8966264/publications.pdf>

Version: 2024-02-01

91
papers

3,043
citations

147566

31
h-index

182168

51
g-index

100
all docs

100
docs citations

100
times ranked

4958
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	Chimeric aptamers in cancer cell-targeted drug delivery. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 459-477.	2.3	118
4	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
5	Targeting survivin in cancer: the cell-signalling perspective. <i>Drug Discovery Today</i> , 2011, 16, 485-494.	3.2	110
6	Multifunctional Iron Bound Lactoferrin and Nanomedicinal Approaches to Enhance Its Bioactive Functions. <i>Molecules</i> , 2015, 20, 9703-9731.	1.7	98
7	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
8	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
9	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
10	Neurological disorders and therapeutics targeted to surmount the blood–brain barrier. <i>International Journal of Nanomedicine</i> , 2012, 7, 3259.	3.3	84
11	LNA aptamer based multi-modal, Fe ₃ O ₄ -saturated lactoferrin (Fe ₃ O ₄ -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
12	Survivin Signaling in Clinical Oncology: A Multifaceted Dragon. <i>Medicinal Research Reviews</i> , 2013, 33, 765-789.	5.0	79
13	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
14	Clinical aspects for survivin: a crucial molecule for targeting drug-resistant cancers. <i>Drug Discovery Today</i> , 2015, 20, 578-587.	3.2	68
15	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
16	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> , 2016, 54, 1-14.	1.3	62
17	Lactoferrin and cancer in different cancer models. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 1080.	0.8	61
18	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

#	ARTICLE	IF	CITATIONS
19	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> , 2016, 7, 81.	1.6	53
20	Nucleic Acid-Based Aptamers: Applications, Development and Clinical Trials. <i>Current Medicinal Chemistry</i> , 2015, 22, 2539-2557.	1.2	50
21	Targeting survivin in cancer: patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 1723-1737.	2.4	47
22	MicroRNA in human cancer and chronic inflammatory diseases. <i>Frontiers in Bioscience - Scholar</i> , 2010, S2, 1113-1126.	0.8	45
23	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
24	Applications of aptamers in nanodelivery systems in cancer, eye and inflammatory diseases. <i>Nanomedicine</i> , 2010, 5, 1435-1445.	1.7	38
25	Inflammatory Bowel Disease: Pathogenesis, Causative Factors, Issues, Drug Treatment Strategies, and Delivery Approaches. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2015, 32, 181-214.	1.2	38
26	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
27	Recent advances in nanomedicine and survivin targeting in brain cancers. <i>Nanomedicine</i> , 2018, 13, 105-137.	1.7	36
28	EpCAM Aptamer-siRNA Chimera Targets and Regress Epithelial Cancer. <i>PLoS ONE</i> , 2015, 10, e0132407.	1.1	35
29	Multimodal iron oxide (Fe ₃ O ₄)-saturated lactoferrin nanocapsules as nanotheranostics for real-time imaging and breast cancer therapy of claudin-low, triple-negative (ER ⁺ /PR ⁻ /HER2 ⁻). <i>Nanomedicine</i> , 2016, 11, 249-268.	1.7	34
30	Antiangiogenic therapy using nanotechnological-based delivery system. <i>Drug Discovery Today</i> , 2011, 16, 188-202.	3.2	33
31	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
32	Curcumin Regulates Colon Cancer by Inhibiting P-Glycoprotein in Cancerous Colon Perfusion Rat Model. <i>Journal of Cancer Science & Therapy</i> , 2013, 5, 313-319.	1.7	30
33	Radioprotective activity of <i>Polyalthia longifolia</i> standardized extract against X-ray radiation injury in mice. <i>Physica Medica</i> , 2016, 32, 150-161.	0.4	26
34	Clinico-Pathological Association of Delineated miRNAs in Uveal Melanoma with Monosomy 3/Disomy 3 Chromosomal Aberrations. <i>PLoS ONE</i> , 2016, 11, e0146128.	1.1	25
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Identification of Unprecedented Anticancer Properties of High Molecular Weight Biomacromolecular Complex Containing Bovine Lactoferrin (HMW-bLf). PLoS ONE, 2014, 9, e106568.	1.1	24
38	Targeting Cancer Cells Using LNA-Modified Aptamer-siRNA Chimeras. Nucleic Acid Therapeutics, 2015, 25, 317-322.	2.0	23
39	Immunomodulatory Lactoferrin in the Regulation of Apoptosis Modulatory Proteins in Cancer. Protein and Peptide Letters, 2013, 20, 450-458.	0.4	23
40	Standardized Polyalthia longifolia leaf extract (PLME) inhibits cell proliferation and promotes apoptosis: The anti-cancer study with various microscopy methods. Biomedicine and Pharmacotherapy, 2017, 91, 366-377.	2.5	22
41	Chasing the personalized medicine dream through biomarker validation in colorectal cancer. Drug Discovery Today, 2017, 22, 111-119.	3.2	22
42	Aptamer-Targeted Oligonucleotide Theranostics: A Smarter Approach for Brain Delivery and the Treatment of Neurological Diseases. Current Topics in Medicinal Chemistry, 2015, 15, 1115-1124.	1.0	22
43	Aged macular degeneration: current therapeutics for management and promising new drug candidates. Drug Discovery Today, 2017, 22, 1671-1679.	3.2	21
44	Nanomedicine Based Nanoparticles for Neurological Disorders. Current Medicinal Chemistry, 2014, 21, 4154-4168.	1.2	21
45	Effect of Selenium-Saturated Bovine Lactoferrin (Se-bLf) on Antioxidant Enzyme Activities in Human Gut Epithelial Cells Under Oxidative Stress. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 762-771.	0.9	20
46	Effect of lactoferrin protein on red blood cells and macrophages: mechanism of parasite–host interaction. Drug Design, Development and Therapy, 2015, 9, 3821.	2.0	20
47	Oral administration of iron-saturated bovine lactoferrin–loaded ceramic nanocapsules for breast cancer therapy and influence on iron and calcium metabolism. International Journal of Nanomedicine, 2015, 10, 4081.	3.3	20
48	Nanocapsules loaded with iron-saturated bovine lactoferrin have antimicrobial therapeutic potential and maintain calcium, zinc and iron metabolism. Nanomedicine, 2015, 10, 1289-1314.	1.7	20
49	Phaleria macrocarpa (Boerl.) fruit induce G 0 /G 1 and G 2 /M cell cycle arrest and apoptosis through mitochondria-mediated pathway in MDA-MB-231 human breast cancer cell. Journal of Ethnopharmacology, 2017, 201, 42-55.	2.0	20
50	Polyalthia longifolia Methanolic Leaf Extracts (PLME) induce apoptosis, cell cycle arrest and mitochondrial potential depolarization by possibly modulating the redox status in hela cells. Biomedicine and Pharmacotherapy, 2017, 89, 499-514.	2.5	19
51	Argon gas plasma to decontaminate and extend shelf life of milk. Plasma Processes and Polymers, 2017, 14, 1600242.	1.6	19
52	Evaluation of the Genotoxic Potential againstH_2O_2-Radical-Mediated DNA Damage and Acute Oral Toxicity of Standardized Extract of<i>Polyalthia longifolia</i>Leaf. Evidence-based	1.5	18
53	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
54	Nucleolin-aptamer therapy in retinoblastoma: molecular changes and mass spectrometry–based imaging. Molecular Therapy - Nucleic Acids, 2016, 5, e358.	2.3	18

#	ARTICLE	IF	CITATIONS
55	Lactoferrin induced neuronal differentiation: A boon for brain tumours. <i>International Journal of Developmental Neuroscience</i> , 2015, 41, 28-36.	0.7	17
56	Characterization and Molecular Mechanism of Peptide-Conjugated Gold Nanoparticle Inhibiting p53-HDM2 Interaction in Retinoblastoma. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 9, 349-364.	2.3	17
57	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> , 2015, 11, 25.	3.3	15
58	<i>Cissus quadrangularis</i> inhibits IL-1β induced inflammatory responses on chondrocytes and alleviates bone deterioration in osteotomized rats via p38 MAPK signaling. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2927.	2.0	14
59	Role of nanomedicine in reversing drug resistance mediated by ATP binding cassette transporters and P-glycoprotein in melanoma. <i>Nanomedicine</i> , 2011, 6, 701-714.	1.7	13
60	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> , 2012, 23, 471-482.	0.7	13
61	The role of nanomedicine in cell based therapeutics in cancer and inflammation. <i>International Journal of Molecular and Cellular Medicine</i> , 2012, 1, 133-44.	1.1	13
62	Genetic diversity of <i>Plasmodium falciparum</i> merozoite surface proteinâ€1 (block 2), glutamateâ€rich protein and sexual stage antigen Pfs25 from Chandigarh, North India. <i>Tropical Medicine and International Health</i> , 2017, 22, 1590-1598.	1.0	12
63	Nanoformulated cell-penetrating survivin mutant and its dual actions. <i>International Journal of Nanomedicine</i> , 2014, 9, 3279.	3.3	11
64	Targeting CD44, ABCG2 and CD133 markers using aptamers: in silico analysis of CD133 extracellular domain 2 and its aptamer. <i>RSC Advances</i> , 2016, 6, 32115-32123.	1.7	11
65	Targeting HSP90/Survivin using a cell permeable structure based peptido-mimetic shepherdin in retinoblastoma. <i>Chemico-Biological Interactions</i> , 2016, 252, 141-149.	1.7	11
66	Competitive inhibition of survivin using a cell-permeable recombinant protein induces cancer-specific apoptosis in colon cancer model. <i>International Journal of Nanomedicine</i> , 2015, 10, 1019.	3.3	10
67	Theranostic multimodular potential of zinc-doped ferrite-saturated metal-binding protein-loaded novel nanocapsules in cancers. <i>International Journal of Nanomedicine</i> , 2016, 11, 1349.	3.3	10
68	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
69	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> , 2017, 69, 1308-1324.	0.9	10
70	In vitro and in vivo toxicity assessment of alginate/eudragit S 100-enclosed chitosanâ€calcium phosphate-loaded iron saturated bovine lactoferrin nanocapsules (Fe-bLf NCs). <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 26-37.	2.5	10
71	<i>Psammomys obesus</i> : a Natural Diet-Controlled Model for Diabetes and Cardiovascular Diseases. <i>Current Atherosclerosis Reports</i> , 2018, 20, 46.	2.0	10
72	Nanotheranostic Based Iron Oxide (Fe3O4) Saturated Lactoferrin Nanocapsules for Colonic Adenocarcinoma. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1758-1773.	0.5	9

#	ARTICLE	IF	CITATIONS
73	Functional Analysis of Circular RNAs. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1087, 95-105.	0.8	9
74	Targeted Multimodal Liposomes for Nano-delivery and Imaging: An Avenger for Drug Resistance and Cancer. <i>Current Gene Therapy</i> , 2013, 13, 322-334.	0.9	9
75	Survivin Modulators: An Updated Patent Review (2011 - 2015). <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2016, 11, 152-169.	0.8	9
76	Exploration of the anticandidal mechanism of <i>Cassia spectabilis</i> in debilitating candidiasis. <i>Journal of Traditional and Complementary Medicine</i> , 2016, 6, 97-104.	1.5	8
77	Neurobehavioral burden of multiple sclerosis with nanotheranostics. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 2675.	1.0	6
78	Corrosion of porous Ti35Zr28Nb in Hanksâ€™ solution and 3.5â€™wt% NaCl. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 529-536.	0.8	6
79	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> , 2017, 87, 609-620.	2.5	5
80	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> , 2018, 88, 313-320.	0.4	5
81	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> , 2021, 14, 715-734.	1.3	4
82	Current Protein-based Anti-angiogenic Therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 291-312.	1.1	4
83	Generating different profiles of gradient concentrations inside a gel-filled chamber: design and simulation. <i>Microsystem Technologies</i> , 2013, 19, 623-628.	1.2	3
84	Brain targeted PLGA nanocarriers alleviating amyloid- β 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
85	Redox Control of Antioxidant and Antihepatotoxic Activities of <i>Cassia surattensis</i> Seed Extract against Paracetamol Intoxication in Mice: In Vitro and In Vivo Studies of Herbal Green Antioxidant. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-13.	1.9	3
86	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
87	<i>In vitro</i> and <i>in vivo</i> anticandidal activities of alginate-enclosed chitosanâ€™calcium phosphate-loaded Fe-bovine lactoferrin nanocapsules. <i>Future Science OA</i> , 2018, 4, FSO257.	0.9	3
88	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
89	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> , 2018, 213, 118-131.	2.0	2
90	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> , 2020, 16, 1049-1062.	0.2	2

#	ARTICLE	IF	CITATIONS
91	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