

# Rekha Khandia

## List of Publications by Year in descending order

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73  
papers

4,092  
citations

218381

26  
h-index

128067

60  
g-index

73  
all docs

73  
docs citations

73  
times ranked

5704  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twin combination of Omicron and Delta variants triggering a tsunami wave of ever high surges in COVID-19 cases: A challenging global threat with a special focus on the Indian subcontinent. <i>Journal of Medical Virology</i> , 2022, 94, 1761-1765.	2.5	57
2	Emergence of SARS-CoV-2 Omicron (B.1.1.529) variant, salient features, high global health concerns and strategies to counter it amid ongoing COVID-19 pandemic. <i>Environmental Research</i> , 2022, 209, 112816.	3.7	189
3	Codon Usage Analysis of Pro-Apoptotic Bim Gene Isoforms. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 1711-1725.	1.2	17
4	Ameliorative Effects of Phytomedicines on Alzheimer's Patients. <i>Current Alzheimer Research</i> , 2022, 19, 420-439.	0.7	2
5	Insight into Codon Utilization Pattern of Tumor Suppressor Gene EPB41L3 from Different Mammalian Species Indicates Dominant Role of Selection Force. <i>Cancers</i> , 2021, 13, 2739.	1.7	15
6	Genes Common in Primary Immunodeficiencies and Cancer Display Overrepresentation of Codon CTG and Dominant Role of Selection Pressure in Shaping Codon Usage. <i>Biomedicines</i> , 2021, 9, 1001.	1.4	15
7	Guidelines for the use and interpretation of assays for monitoring autophagy (4th). <i>Trends in Biochemical Sciences</i> , 2016, 41, 55-63.	4.3	1,430
8	Leucine encoding codon TTG shows an inverse relationship with GC content in genes involved in neurodegeneration with iron accumulation. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 905-918.	0.8	12
9	Nutritional applications and beneficial health applications of green tea and theanine in some animal species: A review. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 245-256.	1.0	42
10	Evaluation of the ameliorative effects of <i>Phyllanthus niruri</i> on the deleterious insecticide imidacloprid in the vital organs of chicken embryos. <i>Journal of Ayurveda and Integrative Medicine</i> , 2020, 11, 495-501.	0.9	11
11	Interplay between inflammation and cancer. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 119, 199-245.	1.0	122
12	Atherosclerosis: orchestrating cells and biomolecules involved in its activation and inhibition. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 120, 85-122.	1.0	53
13	<i>Mycobacterium lepromatosis</i> genome exhibits unusually high CpG dinucleotide content and selection is key force in shaping codon usage. <i>Infection, Genetics and Evolution</i> , 2020, 84, 104399.	1.0	21
14	A MACHINE LEARNING APPROACH FOR SELECTION OF POLYCYSTIC OVARIAN SYNDROME (PCOS) ATTRIBUTES AND COMPARING DIFFERENT CLASSIFIER PERFORMANCE WITH THE HELP OF WEKA AND PYCARET. , 2020, , 59-63.		8
15	CURRENT SCENARIO OF THE PANDEMIC COVID-19: AN OVERVIEW. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2020, 8, S158-S175.	0.1	2
16	Technological interventions and advances in the diagnosis of intramammary infections in animals with emphasis on bovine population—a review. <i>Veterinary Quarterly</i> , 2019, 39, 76-94.	3.0	31
17	A Comprehensive Review of Autophagy and Its Various Roles in Infectious, Non-Infectious, and Lifestyle Diseases: Current Knowledge and Prospects for Disease Prevention, Novel Drug Design, and Therapy. <i>Cells</i> , 2019, 8, 674.	1.8	154
18	Biomarkers in Stress Related Diseases/Disorders: Diagnostic, Prognostic, and Therapeutic Values. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 91.	1.6	161

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19	Nipah virus: epidemiology, pathology, immunobiology and advances in diagnosis, vaccine designing and control strategies – a comprehensive review. <i>Veterinary Quarterly</i> , 2019, 39, 26-55.	3.0	124
20	Analysis of Nipah Virus Codon Usage and Adaptation to Hosts. <i>Frontiers in Microbiology</i> , 2019, 10, 886.	1.5	110
21	A two dose immunization with an inactivated reassortant H5N2 virus protects chickens against lethal challenge with homologous 2.3.2.1 clade and heterologous 2.2 clade highly pathogenic avian influenza H5N1 viruses. <i>Veterinary Microbiology</i> , 2018, 217, 149-157.	0.8	7
22	Advances in Designing and Developing Vaccines, Drugs and Therapeutic Approaches to Counter Human Papilloma Virus. <i>Frontiers in Immunology</i> , 2018, 9, 2478.	2.2	41
23	A Comprehensive Review on Equine Influenza Virus: Etiology, Epidemiology, Pathobiology, Advances in Developing Diagnostics, Vaccines, and Control Strategies. <i>Frontiers in Microbiology</i> , 2018, 9, 1941.	1.5	39
24	In vitro And In vivo Immunomodulating Properties of Mesenchymal Stem Cells. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2018, 12, 59-68.	3.9	13
25	Medicinal and Therapeutic Potential of Herbs and Plant Metabolites / Extracts Countering Viral Pathogens - Current Knowledge and Future Prospects. <i>Current Drug Metabolism</i> , 2018, 19, 236-263.	0.7	168
26	Anthrax Bacterium: Its Etiology and Possible Therapeutics Against Cancer. , 2018, , 211-228.		0
27	Prevention and Control Strategies to Counter Zika Virus, a Special Focus on Intervention Approaches against Vector Mosquitoes – Current Updates. <i>Frontiers in Microbiology</i> , 2018, 9, 87.	1.5	39
28	Modulation of Dengue/Zika Virus Pathogenicity by Antibody-Dependent Enhancement and Strategies to Protect Against Enhancement in Zika Virus Infection. <i>Frontiers in Immunology</i> , 2018, 9, 597.	2.2	97
29	Advances in Designing and Developing Vaccines, Drugs, and Therapies to Counter Ebola Virus. <i>Frontiers in Immunology</i> , 2018, 9, 1803.	2.2	65
30	Neuraminidase inhibitors susceptibility profiles of highly pathogenic influenza A (H5N1) viruses isolated from avian species in India (2006–2015). <i>Antiviral Research</i> , 2018, 158, 143-146.	1.9	7
31	Bacterial Toxins: A Hope Towards Angiogenic Ailments. <i>Current Drug Metabolism</i> , 2018, 18, 926-941.	0.7	1
32	Ebola virus – epidemiology, diagnosis, and control: threat to humans, lessons learnt, and preparedness plans – an update on its 40 year's journey. <i>Veterinary Quarterly</i> , 2017, 37, 98-135.	3.0	33
33	Advances in Aquaculture Vaccines Against Fish Pathogens: Global Status and Current Trends. <i>Reviews in Fisheries Science and Aquaculture</i> , 2017, 25, 184-217.	5.1	141
34	Beneficial health applications and medicinal values of Pedicularis plants: A review. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1301-1313.	2.5	38
35	Green tea ( <i>Camellia sinensis</i> ) and l-theanine: Medicinal values and beneficial applications in humans – A comprehensive review. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1260-1275.	2.5	175
36	Medicinal and Beneficial Health Applications of <i>Tinospora cordifolia</i> (Guduchi): A Miraculous Herb Countering Various Diseases/Disorders and its Immunomodulatory Effects. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2017, 10, 96-111.	0.7	51

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37	Recent Trends in Nanotechnology-Based Drugs and Formulations for Targeted Therapeutic Delivery. Recent Patents on Inflammation and Allergy Drug Discovery, 2017, 10, 86-93.	3.9	26
38	Advances in Developing Therapies to Combat Zika Virus: Current Knowledge and Future Perspectives. Frontiers in Microbiology, 2017, 8, 1469.	1.5	101
39	Molecular Signatures of Biomarkers in Cancer Development, Diagnosis, and its Prognostic Accuracy. Current Biomarkers, 2017, 6, .	0.3	4
40	Advances in Diagnosis, Surveillance, and Monitoring of Zika Virus: An Update. Frontiers in Microbiology, 2017, 8, 2677.	1.5	59
41	Cytotoxic T cells and Cancer Therapy. Journal of Experimental Biology and Agricultural Sciences, 2017, 5, 412-427.	0.1	1
42	Anti-proliferative role of recombinant lethal toxin of <i>Bacillus anthracis</i> on primary mammary ductal carcinoma cells revealing its therapeutic potential. Oncotarget, 2017, 8, 35835-35847.	0.8	7
43	Heat Shock Proteins: Therapeutic Perspectives in Inflammatory Disorders. Recent Patents on Inflammation and Allergy Drug Discovery, 2017, 10, 94-104.	3.9	62
44	Probiotics in Curing Allergic and Inflammatory Conditions - Research Progress and Futuristic Vision. Recent Patents on Inflammation and Allergy Drug Discovery, 2017, 10, 105-118.	3.9	28
45	Tissue Engineering and Regenerative Medicine Potentialities of Materials - Based Novel Constructs - A Review. Current Regenerative Medicine, 2017, 6, 29-40.	0.0	2
46	Consequences of Zika Virus Infection During Fetal Stage and Pregnancy Safe Drugs: An Update. International Journal of Pharmacology, 2017, 13, 370-377.	0.1	4
47	Advances in Designing and Developing Vaccines Against Zika Virus. International Journal of Pharmacology, 2017, 13, 667-676.	0.1	2
48	Cell Penetrating Peptides: Biomedical/Therapeutic Applications with Emphasis as Promising Futuristic Hope for Treating Cancer. International Journal of Pharmacology, 2017, 13, 677-689.	0.1	11
49	Phytochemistry, Modes of Action and Beneficial Health Applications of Green Tea ( <i>Camellia sinensis</i> ) in Humans and Animals. International Journal of Pharmacology, 2017, 13, 698-708.	0.1	18
50	Reverse genetics based rgH5N2 vaccine provides protection against high dose challenge of H5N1 avian influenza virus in chicken. Microbial Pathogenesis, 2016, 97, 172-177.	1.3	6
51	Amantadine resistance among highly pathogenic avian influenza viruses (H5N1) isolated from India. Microbial Pathogenesis, 2016, 91, 35-40.	1.3	26
52	Does <i>Bougainvillea spectabilis</i> protect Swiss Albino Mice from Aflatoxin-induced Hepatotoxicity?. Advances in Animal and Veterinary Sciences, 2016, 4, 250-257.	0.1	1
53	Evaluation of the Modulatory Effects of Copper Salts on the Process of Angiogenesis (Neovascularization) with Therapeutic Perspectives. Advances in Animal and Veterinary Sciences, 2016, 4, 405-410.	0.1	5
54	Tumor Homing Peptides: Promising Futuristic Hope for Cancer Therapy. , 2016, , 43-86.		3

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55	Molybdenum Salts Possess Potent Angiogenic Modulatory Properties: Validation on Chorioallantoic Membrane (CAM) of Chicken. <i>Asian Journal of Animal and Veterinary Advances</i> , 2016, 12, 44-49.	0.3	3
56	Anti-angiogenic Effects of Cadmium Chloride on the Process of Neovascularization. <i>Journal of Biological Sciences</i> , 2016, 17, 42-46.	0.1	0
57	Cross-sectional study indicates nearly a quarter of sheep population in Karnataka state of India is infected with ovine herpesvirus 2. <i>VirusDisease</i> , 2015, 26, 180-188.	1.0	4
58	Evaluation of Silver Nanoparticle Mediated Reduction of Neovascularisation (Angiogenesis) in Chicken Model. <i>Advances in Animal and Veterinary Sciences</i> , 2015, 3, 372-376.	0.1	12
59	Development of single-chain Fv against the nucleoprotein of type A influenza virus and its use in ELISA. <i>Journal of Virological Methods</i> , 2014, 208, 129-137.	1.0	10
60	Detection and molecular characterization of naturally transmitted sheep associated malignant catarrhal fever in cattle in India. <i>Tropical Animal Health and Production</i> , 2014, 46, 1037-1043.	0.5	6
61	Anthrax Toxin Receptors, Functions and their Possible Use in Therapeutics: A Review. <i>Asian Journal of Animal and Veterinary Advances</i> , 2014, 9, 599-609.	0.3	3
62	Genetic and antigenic analysis of H5N1 viruses for selection of HA-donor virus for vaccine strains. <i>Indian Journal of Virology: an Official Organ of Indian Virological Society</i> , 2013, 24, 357-364.	0.7	2
63	Ovine herpesvirus type 2 infection in captive bison in India. <i>Veterinary Record</i> , 2012, 170, 654-654.	0.2	6
64	Comparison of a nucleoprotein gene based RT-PCR with real time RT-PCR for diagnosis of avian influenza in clinical specimens. <i>Research in Veterinary Science</i> , 2012, 93, 504-507.	0.9	7
65	Isolation and characterization of influenza A virus (subtype H5N1) that caused the first highly pathogenic avian influenza outbreak in chicken in Bhutan. <i>Veterinary Microbiology</i> , 2012, 155, 100-105.	0.8	11
66	Avian Influenza (H5N1) Virus of Clade 2.3.2 in Domestic Poultry in India. <i>PLoS ONE</i> , 2012, 7, e31844.	1.1	56
67	Emergence of amantadine-resistant avian influenza H5N1 virus in India. <i>Virus Genes</i> , 2011, 42, 10-15.	0.7	27
68	Isolation and molecular characterization of a H5N1 virus isolated from a Jungle crow (Corvus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.7	26
69	Avian influenza virus (H5N1) in chickens in India. <i>Veterinary Record</i> , 2009, 164, 128-128.	0.2	13
70	H5N1 virus outbreaks in poultry in India. <i>Veterinary Record</i> , 2008, 162, 255-255.	0.2	15
71	Outbreak of avian influenza virus H5N1 in India. <i>Veterinary Record</i> , 2007, 161, 279-279.	0.2	19
72	Strong Selectional Forces Fine-Tune CpG Content in Genes Involved in Neurological Disorders as Revealed by Codon Usage Patterns. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	8

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73	Codon Usage Bias Correlates With Gene Length in Neurodegeneration Associated Genes. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	7