

Ashish Ranjan Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

5,656
citations

87888

38
h-index

85541

71
g-index

100
all docs

100
docs citations

100
times ranked

8971
citing authors

#	ARTICLE	IF	CITATIONS
1	Present variants of concern and variants of interest of severe acute respiratory syndrome coronavirus 2: Their significant mutations in S-glycoprotein, infectivity, re-infectivity, immune escape and vaccines activity. <i>Reviews in Medical Virology</i> , 2022, 32, e2270.	8.3	71
2	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance. <i>Current Opinion in Pharmacology</i> , 2022, 62, 64-73.	3.5	29
3	Evaluation and Designing of Epitopic-Peptide Vaccine Against Bunyamwera orthobunyavirus Using M-Polyprotein Target Sequences. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 5.	1.9	1
4	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations. <i>Frontiers in Immunology</i> , 2022, 13, 801522.	4.8	73
5	Varied Composition and Underlying Mechanisms of Gut Microbiome in Neuroinflammation. <i>Microorganisms</i> , 2022, 10, 705.	3.6	10
6	Isoflavone-enriched whole soy milk powder stimulates osteoblast differentiation. <i>Journal of Food Science and Technology</i> , 2021, 58, 595-603.	2.8	6
7	Therapeutic advances of miRNAs: A preclinical and clinical update. <i>Journal of Advanced Research</i> , 2021, 28, 127-138.	9.5	244
8	Response to: Status of Remdesivir: Not Yet Beyond Question!. <i>Archives of Medical Research</i> , 2021, 52, 104-106.	3.3	7
9	A Novel Multi-Epitopic Peptide Vaccine Candidate Against <i>Helicobacter pylori</i> : In-Silico Identification, Design, Cloning and Validation Through Molecular Dynamics. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1149-1166.	1.9	37
10	SARS-CoV-2 protein drug targets landscape: a potential pharmacological insight view for the new drug development. <i>Expert Review of Clinical Pharmacology</i> , 2021, 14, 225-237.	3.1	18
11	CRISPR-Cas9: A Preclinical and Clinical Perspective for the Treatment of Human Diseases. <i>Molecular Therapy</i> , 2021, 29, 571-586.	8.2	124
12	Understanding the molecular evolution of tiger diversity through DNA barcoding marker ND4 and NADH dehydrogenase complex using computational biology. <i>Genes and Genomics</i> , 2021, 43, 759-773.	1.4	1
13	SARS-CoV-2 and other human coronaviruses: Mapping of protease recognition sites, antigenic variation of spike protein and their grouping through molecular phylogenetics. <i>Infection, Genetics and Evolution</i> , 2021, 89, 104729.	2.3	5
14	Immunoinformatics Approach for the Identification and Characterization of T Cell and B Cell Epitopes towards the Peptide-Based Vaccine against SARS-CoV-2. <i>Archives of Medical Research</i> , 2021, 52, 362-370.	3.3	24
15	Sclerostin-Mediated Impaired Osteogenesis by Fibroblast-Like Synoviocytes in the Particle-Induced Osteolysis Model. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 666295.	3.5	4
16	SARS-CoV-2 Brazil variants in Latin America: More serious research urgently needed on public health and vaccine protection. <i>Annals of Medicine and Surgery</i> , 2021, 66, 102428.	1.1	18
17	Asian-Origin Approved COVID-19 Vaccines and Current Status of COVID-19 Vaccination Program in Asia: A Critical Analysis. <i>Vaccines</i> , 2021, 9, 600.	4.4	22
18	Determination of k-mer density in a DNA sequence and subsequent cluster formation algorithm based on the application of electronic filter. <i>Scientific Reports</i> , 2021, 11, 13701.	3.3	8

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19	Lessons Learned from Cutting-Edge Immunoinformatics on Next-Generation COVID-19 Vaccine Research. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 2303-2311.	1.9	6
20	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. <i>Frontiers in Immunology</i> , 2021, 12, 679344.	4.8	74
21	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. <i>MBio</i> , 2021, 12, e0114021.	4.1	58
22	The current second wave and COVID-19 vaccination status in India. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 1-4.	4.1	47
23	Recent research progress on circular RNAs: Biogenesis, properties, functions, and therapeutic potential. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 355-371.	5.1	22
24	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104951.	2.3	29
25	Recent developments and strategies of Ebola virus vaccines. <i>Current Opinion in Pharmacology</i> , 2021, 60, 46-53.	3.5	11
26	D614G mutation eventuates in all VOI and VOC in SARS-CoV-2: Is it part of the positive selection pioneered by Darwin?. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 237-241.	5.1	30
27	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently. , 2021, 12, 688.		11
28	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. <i>Immune Network</i> , 2021, 21, e5.	3.6	21
29	A Next-Generation Vaccine Candidate Using Alternative Epitopes to Protect against Wuhan and All Significant Mutant Variants of SARS-CoV-2: An Immunoinformatics Approach. , 2021, 12, 2173.		20
30	Differential Expression Patterns of Rspodin Family and Leucine-Rich Repeat-Containing G-Protein Coupled Receptors in Chondrocytes and Osteoblasts. <i>Cell Journal</i> , 2021, 22, 437-449.	0.2	8
31	D614G mutation and SARS-CoV-2: impact on S-protein structure, function, infectivity, and immunity. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 9035-9045.	3.6	34
32	The Drug Repurposing for COVID-19 Clinical Trials Provide Very Effective Therapeutic Combinations: Lessons Learned From Major Clinical Studies. <i>Frontiers in Pharmacology</i> , 2021, 12, 704205.	3.5	89
33	Understanding Gene Expression and Transcriptome Profiling of COVID-19: An Initiative Towards the Mapping of Protective Immunity Genes Against SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2021, 12, 724936.	4.8	17
34	COVID-19 vaccines and vaccination program for aging adults. <i>European Review for Medical and Pharmacological Sciences</i> , 2021, 25, 6719-6730.	0.7	1
35	Immunoinformatics approach to understand molecular interaction between multi-epitopic regions of SARS-CoV-2 spike-protein with TLR4/MD-2 complex. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104587.	2.3	68
36	The C-reactive protein to albumin ratio predicts postoperative complication in patients who undergo gastrectomy for gastric cancer. <i>Heliyon</i> , 2020, 6, e04220.	3.2	8

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37	Safety and feasibility of single-incision laparoscopic totally extraperitoneal inguinal hernia repair: a retrospective comparative analysis of 163 patients. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2020, , 1.	0.7	1
38	A SARS-CoV-2 vaccine candidate: In-silico cloning and validation. <i>Informatics in Medicine Unlocked</i> , 2020, 20, 100394.	3.4	55
39	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 1258.	3.5	91
40	Fibroblast-Like-Synoviocytes Mediate Secretion of Pro-Inflammatory Cytokines via ERK and JNK MAPKs in Ti-Particle-Induced Osteolysis. <i>Materials</i> , 2020, 13, 3628.	2.9	10
41	Consider TLR5 for new therapeutic development against COVID-19. <i>Journal of Medical Virology</i> , 2020, 92, 2314-2315.	5.0	54
42	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. <i>Archives of Medical Research</i> , 2020, 51, 728-730.	3.3	52
43	COVID-19: Consider IL-6 receptor antagonist for the therapy of cytokine storm syndrome in SARS-CoV-2 infected patients. <i>Journal of Medical Virology</i> , 2020, 92, 2260-2262.	5.0	62
44	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. <i>Archives of Medical Research</i> , 2020, 51, 595-597.	3.3	81
45	Insight into Evolution and Conservation Patterns of B1-Subfamily Members of GPCR. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 2505-2517.	1.9	3
46	Interaction between miRNAs and signaling cascades of Wnt pathway in chronic lymphocytic leukemia. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4654-4666.	2.6	7
47	Development of epitope-based peptide vaccine against novel coronavirus 2019 (SARS-CoV-2): Immunoinformatics approach. <i>Journal of Medical Virology</i> , 2020, 92, 618-631.	5.0	315
48	Comparative Analysis and Molecular Evolution of Class I PI3K Regulatory Subunit p85 β Reveal the Structural Similarity Between nSH2 and cSH2 Domains. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 2555-2569.	1.9	0
49	Identification and Design of a Next-Generation Multi Epitopes Bases Peptide Vaccine Candidate Against Prostate Cancer: An In Silico Approach. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 495-509.	1.8	8
50	The Interplay among miRNAs, Major Cytokines, and Cancer-Related Inflammation. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 606-620.	5.1	68
51	Computer aided novel antigenic epitopes selection from the outer membrane protein sequences of <i>Aeromonas hydrophila</i> and its analyses. <i>Infection, Genetics and Evolution</i> , 2020, 82, 104320.	2.3	14
52	Probable Molecular Mechanism of Remdesivir for the Treatment of COVID-19: Need to Know More. <i>Archives of Medical Research</i> , 2020, 51, 585-586.	3.3	110
53	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 933-936.	5.1	7
54	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. <i>Asian Pacific Journal of Tropical Medicine</i> , 2020, 13, 242.	0.8	67

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55	Diabetes and COVID-19: a major challenge in pandemic period?. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 11409-11420.	0.7	9
56	Understanding the molecular interaction of human argonaute2 and miR-20a complex: A molecular dynamics approach. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19915-19924.	2.6	10
57	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. <i>Genes and Genomics</i> , 2019, 41, 1113-1125.	1.4	5
58	Bacterial Compatibility/Toxicity of Biogenic Silica (b-SiO ₂) Nanoparticles Synthesized from Biomass Rice Husk Ash. <i>Nanomaterials</i> , 2019, 9, 1440.	4.1	23
59	Kaempferol stimulates WNT/ β -catenin signaling pathway to induce differentiation of osteoblasts. <i>Journal of Nutritional Biochemistry</i> , 2019, 74, 108228.	4.2	57
60	Advances in nanocarriers enabled brain targeted drug delivery across blood brain barrier. <i>International Journal of Pharmaceutics</i> , 2019, 559, 360-372.	5.2	132
61	Ebola virus disease: Recent advances in diagnostics and therapeutics. <i>Asian Pacific Journal of Tropical Medicine</i> , 2019, 12, 385.	0.8	4
62	A Sustainable Ambulance Operation Model in a Low-Resource Country (the Democratic Republic of) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.8	2
63	Lysophosphatidic acid enhances breast cancer cells-mediated osteoclastogenesis. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 503.	1.2	11
64	Antimicrobial Potential of Silver Nanoparticles Synthesized Using Medicinal Herb <i>Coptidis rhizome</i> . <i>Molecules</i> , 2018, 23, 2269.	3.8	12
65	Antimicrobial Potential of Silver Nanoparticles Synthesized Using Medicinal Herb <i>Coptidis rhizome</i> . <i>Molecules</i> , 2018, 23, 2268.	3.8	47
66	The novel strategies for next-generation cancer treatment: miRNA combined with chemotherapeutic agents for the treatment of cancer. <i>Oncotarget</i> , 2018, 9, 10164-10174.	1.8	86
67	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017, 254, 17-31.	2.1	39
68	Suppression of osteogenic activity by regulation of WNT and BMP signaling during titanium particle induced osteolysis. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 912-926.	4.0	23
69	Therapeutic miRNA and siRNA: Moving from Bench to Clinic as Next Generation Medicine. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 132-143.	5.1	600
70	Anti-inflammatory effects of traditional mixed extract of medicinal herbs (MEMH) on monosodium urate crystal-induced gouty arthritis. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 561-575.	1.3	16
71	Quercetin induces apoptosis and cell cycle arrest in triple-negative breast cancer cells through modulation of Foxo3a activity. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 205.	1.2	109
72	Review of Prospects of Biological Fluid Biomarkers in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 601.	4.1	88

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73	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. <i>Oncotarget</i> , 2017, 8, 37942-37962.	1.8	12
74	miRNAs in Alzheimer Disease - A Therapeutic Perspective. <i>Current Alzheimer Research</i> , 2017, 14, 1198-1206.	1.4	82
75	Application of Bioactive Quercetin in Oncotherapy: From Nutrition to Nanomedicine. <i>Molecules</i> , 2016, 21, 108.	3.8	127
76	miRNA-Regulated Key Components of Cytokine Signaling Pathways and Inflammation in Rheumatoid Arthritis. <i>Medicinal Research Reviews</i> , 2016, 36, 425-439.	10.5	53
77	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. <i>Journal of Nanobiotechnology</i> , 2016, 14, 65.	9.1	231
78	DNA barcoding to fishes: current status and future directions. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2744-2752.	0.7	43
79	PLK-1: Angel or devil for cell cycle progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1865, 190-203.	7.4	34
80	Formulation and Application of Biodegradable Nanoparticles Based Biopharmaceutical Delivery - An Efficient Delivery System. <i>Current Pharmaceutical Design</i> , 2016, 22, 3020-3033.	1.9	12
81	Genetic Polymorphism in Extracellular Regulators of Wnt Signaling Pathway. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	15
82	Nanoparticle based insulin delivery system: the next generation efficient therapy for Type 1 diabetes. <i>Journal of Nanobiotechnology</i> , 2015, 13, 74.	9.1	145
83	Tribological changes in the articular cartilage of a human femoral head with avascular necrosis. <i>Biointerphases</i> , 2015, 10, 021004.	1.6	4
84	Methoxy Poly(ethylene glycol)-Poly(lactide) Nanoparticles Encapsulating Quercetin Act as an Effective Anticancer Agent by Inducing Apoptosis in Breast Cancer. <i>Pharmaceutical Research</i> , 2015, 32, 723-735.	3.5	54
85	Effects of Hyaluronic Acid and Î³-Globulin Concentrations on the Frictional Response of Human Osteoarthritic Articular Cartilage. <i>PLoS ONE</i> , 2014, 9, e112684.	2.5	15
86	Novel biomarker for prostate cancer diagnosis by MRS. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 1186.	3.0	9
87	Effect of Wnt3a on Keratinocytes Utilizing in Vitro and Bioinformatics Analysis. <i>International Journal of Molecular Sciences</i> , 2014, 15, 5472-5495.	4.1	1
88	Computational Biophysical, Biochemical, and Evolutionary Signature of Human R-Spondin Family Proteins, the Member of Canonical Wnt/ β -Catenin Signaling Pathway. <i>BioMed Research International</i> , 2014, 2014, 1-22.	1.9	6
89	Next Generation Delivery System for Proteins and Genes of Therapeutic Purpose: Why and How?. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	31
90	Recent Trends of Polymer Mediated Liposomal Gene Delivery System. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	17

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91	Role of hyaluronic acid and phospholipid in the lubrication of a cobalt–chromium head for total hip arthroplasty. <i>Biointerphases</i> , 2014, 9, 031007.	1.6	26
92	Biomolecule-Mediated Synthesis of Selenium Nanoparticles using Dried <i>Vitis vinifera</i> (Raisin) Extract. <i>Molecules</i> , 2014, 19, 2761-2770.	3.8	231
93	Interplay between Cartilage and Subchondral Bone Contributing to Pathogenesis of Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19805-19830.	4.1	224
94	Regulation of Wnt signaling activity for growth suppression induced by quercetin in 4T1 murine mammary cancer cells. <i>International Journal of Oncology</i> , 2013, 43, 1319-1325.	3.3	45
95	The effect of TNF α secreted from macrophages activated by titanium particles on osteogenic activity regulated by WNT/BMP signaling in osteoprogenitor cells. <i>Biomaterials</i> , 2012, 33, 4251-4263.	11.4	64
96	Ecofriendly Biosynthesis of Gold Nanoparticles Using Medicinally Important <i>Ocimum basilicum</i> Leaf Extract. <i>Advanced Science, Engineering and Medicine</i> , 2012, 4, 62-66.	0.3	19
97	Biosynthesis of silver nanoparticles using <i>Ocimum sanctum</i> (Tulsi) leaf extract and screening its antimicrobial activity. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2981-2988.	1.9	547
98	Abstract 1003: The inhibitory role of quercetin-induced Dickkopf-1 on the growth of 4T1 breast cancer cell line. , 2011, , .		2
99	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. <i>Oncotarget</i> , 0, 7, 42683-42697.	1.8	72