

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	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
2	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
3	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
4	Therapeutic advances of miRNAs: A preclinical and clinical update. <i>Journal of Advanced Research</i> , 2021, 28, 127-138.	9.5	244
5	Biomolecule-Mediated Synthesis of Selenium Nanoparticles using Dried <i>Vitis vinifera</i> (Raisin) Extract. <i>Molecules</i> , 2014, 19, 2761-2770.	3.8	231
6	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. <i>Journal of Nanobiotechnology</i> , 2016, 14, 65.	9.1	231
7	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
8	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
9	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
10	Application of Bioactive Quercetin in Oncotherapy: From Nutrition to Nanomedicine. <i>Molecules</i> , 2016, 21, 108.	3.8	127
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	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
13	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
14	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 1258.	3.5	91
15	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
16	Review of Prospects of Biological Fluid Biomarkers in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 601.	4.1	88
17	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
18	miRNAs in Alzheimer Disease - A Therapeutic Perspective. <i>Current Alzheimer Research</i> , 2017, 14, 1198-1206.	1.4	82

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19	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. Archives of Medical Research, 2020, 51, 595-597.	3.3	81
20	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. Frontiers in Immunology, 2021, 12, 679344.	4.8	74
21	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations. Frontiers in Immunology, 2022, 13, 801522.	4.8	73
22	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. Oncotarget, 0, 7, 42683-42697.	1.8	72
23	Present variants of concern and variants of interest of severe acute respiratory syndrome coronavirus 2: Their significant mutations in S glycoprotein, infectivity, immune escape and vaccines activity. Reviews in Medical Virology, 2022, 32, e2270.	8.3	71
24	Immunoinformatics approach to understand molecular interaction between multi-epitopic regions of SARS-CoV-2 spike-protein with TLR4/MD-2 complex. Infection, Genetics and Evolution, 2020, 85, 104587.	2.3	68
25	The Interplay among miRNAs, Major Cytokines, and Cancer-Related Inflammation. Molecular Therapy - Nucleic Acids, 2020, 20, 606-620.	5.1	68
26	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. Asian Pacific Journal of Tropical Medicine, 2020, 13, 242.	0.8	67
27	The effect of TNF α secreted from macrophages activated by titanium particles on osteogenic activity regulated by WNT/BMP signaling in osteoprogenitor cells. Biomaterials, 2012, 33, 4251-4263.	11.4	64
28	COVID-19: Consider IL-6 receptor antagonist for the therapy of cytokine storm syndrome in SARS-CoV-2 infected patients. Journal of Medical Virology, 2020, 92, 2260-2262.	5.0	62
29	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. MBio, 2021, 12, e0114021.	4.1	58
30	Kaempferol stimulates WNT/ β -catenin signaling pathway to induce differentiation of osteoblasts. Journal of Nutritional Biochemistry, 2019, 74, 108228.	4.2	57
31	A SARS-CoV-2 vaccine candidate: In-silico cloning and validation. Informatics in Medicine Unlocked, 2020, 20, 100394.	3.4	55
32	Methoxy Poly(ethylene glycol)-Poly(lactide) Nanoparticles Encapsulating Quercetin Act as an Effective Anticancer Agent by Inducing Apoptosis in Breast Cancer. Pharmaceutical Research, 2015, 32, 723-735.	3.5	54
33	Consider TLR5 for new therapeutic development against COVID-19. Journal of Medical Virology, 2020, 92, 2314-2315.	5.0	54
34	miRNA-Regulated Key Components of Cytokine Signaling Pathways and Inflammation in Rheumatoid Arthritis. Medicinal Research Reviews, 2016, 36, 425-439.	10.5	53
35	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. Archives of Medical Research, 2020, 51, 728-730.	3.3	52
36	Antimicrobial Potential of Silver Nanoparticles Synthesized Using Medicinal Herb Coptidis rhizome. Molecules, 2018, 23, 2268.	3.8	47

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37	The current second wave and COVID-19 vaccination status in India. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 1-4.	4.1	47
38	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
39	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
40	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017, 254, 17-31.	2.1	39
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. <i>Immune Network</i> , 2021, 21, e5.	3.6	21

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55	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
56	Ecofriendly Biosynthesis of Gold Nanoparticles Using Medicinally Important <i>Ocimum basilicum</i> Leaf Extract. Advanced Science, Engineering and Medicine, 2012, 4, 62-66.	0.3	19
57	SARS-CoV-2 protein drug targets landscape: a potential pharmacological insight view for the new drug development. Expert Review of Clinical Pharmacology, 2021, 14, 225-237.	3.1	18
58	SARS-CoV-2 Brazil variants in Latin America: More serious research urgently needed on public health and vaccine protection. Annals of Medicine and Surgery, 2021, 66, 102428.	1.1	18
59	Recent Trends of Polymer Mediated Liposomal Gene Delivery System. BioMed Research International, 2014, 2014, 1-15.	1.9	17
60	Understanding Gene Expression and Transcriptome Profiling of COVID-19: An Initiative Towards the Mapping of Protective Immunity Genes Against SARS-CoV-2 Infection. Frontiers in Immunology, 2021, 12, 724936.	4.8	17
61	Anti-inflammatory effects of traditional mixed extract of medicinal herbs (MEMH) on monosodium urate crystal-induced gouty arthritis. Chinese Journal of Natural Medicines, 2017, 15, 561-575.	1.3	16
62	Effects of Hyaluronic Acid and α 2-Macroglobulin Concentrations on the Frictional Response of Human Osteoarthritic Articular Cartilage. PLoS ONE, 2014, 9, e112684.	2.5	15
63	Genetic Polymorphism in Extracellular Regulators of Wnt Signaling Pathway. BioMed Research International, 2015, 2015, 1-9.	1.9	15
64	Computer aided novel antigenic epitopes selection from the outer membrane protein sequences of <i>Aeromonas hydrophila</i> and its analyses. Infection, Genetics and Evolution, 2020, 82, 104320.	2.3	14
65	Antimicrobial Potential of Silver Nanoparticles Synthesized Using Medicinal Herb <i>Coptidis rhizome</i> . Molecules, 2018, 23, 2269.	3.8	12
66	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. Oncotarget, 2017, 8, 37942-37962.	1.8	12
67	Formulation and Application of Biodegradable Nanoparticles Based Biopharmaceutical Delivery - An Efficient Delivery System. Current Pharmaceutical Design, 2016, 22, 3020-3033.	1.9	12
68	Lysophosphatidic acid enhances breast cancer cells-mediated osteoclastogenesis. Korean Journal of Physiology and Pharmacology, 2018, 22, 503.	1.2	11
69	Recent developments and strategies of Ebola virus vaccines. Current Opinion in Pharmacology, 2021, 60, 46-53.	3.5	11
70	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently. , 2021, 12, 688.		11
71	Understanding the molecular interaction of human argonaute2 and miR20a complex: A molecular dynamics approach. Journal of Cellular Biochemistry, 2019, 120, 19915-19924.	2.6	10
72	Fibroblast-Like-Synoviocytes Mediate Secretion of Pro-Inflammatory Cytokines via ERK and JNK MAPKs in Ti-Particle-Induced Osteolysis. Materials, 2020, 13, 3628.	2.9	10

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73	Varied Composition and Underlying Mechanisms of Gut Microbiome in Neuroinflammation. <i>Microorganisms</i> , 2022, 10, 705.	3.6	10
74	Novel biomarker for prostate cancer diagnosis by MRS. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 1186.	3.0	9
75	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
76	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
77	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
78	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
79	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
80	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
81	Response to: Status of Remdesivir: Not Yet Beyond Question!. <i>Archives of Medical Research</i> , 2021, 52, 104-106.	3.3	7
82	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 933-936.	5.1	7
83	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
84	Isoflavone-enriched whole soy milk powder stimulates osteoblast differentiation. <i>Journal of Food Science and Technology</i> , 2021, 58, 595-603.	2.8	6
85	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
86	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. <i>Genes and Genomics</i> , 2019, 41, 1113-1125.	1.4	5
87	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
88	Tribological changes in the articular cartilage of a human femoral head with avascular necrosis. <i>Biointerphases</i> , 2015, 10, 021004.	1.6	4
89	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
90	Ebola virus disease: Recent advances in diagnostics and therapeutics. <i>Asian Pacific Journal of Tropical Medicine</i> , 2019, 12, 385.	0.8	4

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91	Insight into Evolution and Conservation Patterns of B1-Subfamily Members of GPCR. International Journal of Peptide Research and Therapeutics, 2020, 26, 2505-2517.	1.9	3
92	A Sustainable Ambulance Operation Model in a Low-Resource Country (the Democratic Republic of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	2
93	Abstract 1003: The inhibitory role of quercetin-induced Dickkopf-1 on the growth of 4T1 breast cancer cell line. , 2011, , .		2
94	Effect of Wnt3a on Keratinocytes Utilizing in Vitro and Bioinformatics Analysis. International Journal of Molecular Sciences, 2014, 15, 5472-5495.	4.1	1
95	Safety and feasibility of single-incision laparoscopic totally extraperitoneal inguinal hernia repair: a retrospective comparative analysis of 163 patients. European Surgery - Acta Chirurgica Austriaca, 2020, , 1.	0.7	1
96	Understanding the molecular evolution of tiger diversity through DNA barcoding marker ND4 and NADH dehydrogenase complex using computational biology. Genes and Genomics, 2021, 43, 759-773.	1.4	1
97	Evaluation and Designing of Epitopic-Peptide Vaccine Against Bunyamwera orthobunyavirus Using M-Polyprotein Target Sequences. International Journal of Peptide Research and Therapeutics, 2022, 28, 5.	1.9	1
98	COVID-19 vaccines and vaccination program for aging adults. European Review for Medical and Pharmacological Sciences, 2021, 25, 6719-6730.	0.7	1
99	Comparative Analysis and Molecular Evolution of Class I PI3K Regulatory Subunit p85± Reveal the Structural Similarity Between nSH2 and cSH2 Domains. International Journal of Peptide Research and Therapeutics, 2020, 26, 2555-2569.	1.9	0