Ramesh Kandimalla

List of Publications by Year
in descending order

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82 papers	6,033 citations	101543 36 h-index	76900 74 g-index
100 all docs	100 docs citations	100 times ranked	8976 citing authors

#	Article	IF	Citations
1	Cancer chemotherapy and beyond: Current status, drug candidates, associated risks and progress in targeted therapeutics. Genes and Diseases, 2023, 10, 1367-1401.	3.4	152
2	A partial reduction of Drp1 improves cognitive behavior and enhances mitophagy, autophagy and dendritic spines in a transgenic Tau mouse model of Alzheimer disease. Human Molecular Genetics, 2022, 31, 1788-1805.	2.9	22
3	Podophyllum hexandrum and its active constituents: Novel radioprotectants. Biomedicine and Pharmacotherapy, 2022, 146, 112555.	5.6	8
4	Prevalence Estimates of Amyloid Abnormality Across the Alzheimer Disease Clinical Spectrum. JAMA Neurology, 2022, 79, 228.	9.0	97
5	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. International Journal of Biological Macromolecules, 2022, 194, 128-143.	7.5	13
6	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	2.0	7
7	Probiotics: Evolving as a Potential Therapeutic Option against Acetaminophen-Induced Hepatotoxicity. Biomedicines, 2022, 10, 1498.	3.2	7
8	The structural basis of accelerated host cell entry by SARSâ€CoVâ€2â€. FEBS Journal, 2021, 288, 5010-5020.	4.7	129
9	Screening of potential drug for Alzheimerâ€™s disease: a computational study with GSK-3 Î² inhibition through virtual screening, docking, and molecular dynamics simulation. Journal of Biomolecular Structure and Dynamics, 2021, 39, 7065-7079.	3.5	12
10	Mitochondria-Targeted Small Peptide, SS31 Ameliorates Diabetes Induced Mitochondrial Dynamics in Male TallyHO/JngJ Mice. Molecular Neurobiology, 2021, 58, 795-808.	4.0	24
11	Questions concerning the proximal origin of SARSâ€CoVâ€2. Journal of Medical Virology, 2021, 93, 1204-1206.	5.0	56
12	Mitochondrial dysfunction, mitophagy, and role of dynaminâ€related protein 1 in Alzheimer's disease. Journal of Neuroscience Research, 2021, 99, 1120-1135.	2.9	40
13	Engaging the spikes: heparan sulfate facilitates SARS-CoV-2 spike protein binding to ACE2 and potentiates viral infection. Signal Transduction and Targeted Therapy, 2021, 6, 39.	17.1	39
14	Advancing urban ethnopharmacology: a modern concept of sustainability, conservation and cross-cultural adaptations of medicinal plant lore in the urban environment. , 2021, 9, coab073.		15
15	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. Biomolecules, 2021, 11, 398.	4.0	3
16	Mitochondrial Dysfunctioning Induced by Hyperglycemia in the Liver Tissues of Diabetic Mice, TALLYHO/JngJ Strain and Ameliorative Action of a Small Peptide, SS31. Metabolism: Clinical and Experimental, 2021, 116, 154608.	3.4	1
17	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086.	14.6	134
18	The Emerging Role of HDACs: Pathology and Therapeutic Targets in Diabetes Mellitus. Cells, 2021, 10, 1340.	4.1	23

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19	Protective effects of a mitochondria-targeted small peptide SS31 against hyperglycemia-induced mitochondrial abnormalities in the liver tissues of diabetic mice, Tallyho/Jngl mice. Mitochondrion, 2021, 58, 49-58.	3.4	17
20	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	7.0	48
21	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. International Journal of Biological Macromolecules, 2021, 181, 801-809.	7.5	36
22	COVID-19, Neuropathology, and Aging: SARS-CoV-2 Neurological Infection, Mechanism, and Associated Complications. Frontiers in Aging Neuroscience, 2021, 13, 662786.	3.4	18
23	Emerging COVID-19 Neurological Manifestations: Present Outlook and Potential Neurological Challenges in COVID-19 Pandemic. Molecular Neurobiology, 2021, 58, 4694-4715.	4.0	50
24	COVID-19 Vaccines and Thrombosisâ€"Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	4.0	28
25	Autophagy in the diabetic heart: A potential pharmacotherapeutic target in diabetic cardiomyopathy. Ageing Research Reviews, 2021, 68, 101338.	10.9	81
26	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. Autoimmunity Reviews, 2021, 20, 102941.	5.8	39
27	Potential Biomarkers Associated with Multiple Sclerosis Pathology. International Journal of Molecular Sciences, 2021, 22, 10323.	4.1	14
28	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	5.8	7
29	Withania somnifera (L.) Dunal (Ashwagandha): A comprehensive review on ethnopharmacology, pharmacotherapeutics, biomedicinal and toxicological aspects. Biomedicine and Pharmacotherapy, 2021, 143, 112175.	5.6	77
30	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	7.5	10
31	The Potential Role of Cytokines and Growth Factors in the Pathogenesis of Alzheimerâ€™s Disease. Cells, 2021, 10, 2790.	4.1	33
32	Counting on COVID-19 Vaccine: Insights into the Current Strategies, Progress and Future Challenges. Biomedicines, 2021, 9, 1740.	3.2	16
33	COVID-19 and Rheumatoid Arthritis Crosstalk: Emerging Association, Therapeutic Options and Challenges. Cells, 2021, 10, 3291.	4.1	38
34	Current Status of Multiple Drug Molecules, and Vaccines: An Update in SARS-CoV-2 Therapeutics. Molecular Neurobiology, 2020, 57, 4106-4116.	4.0	38
35	SARS-CoV-2, ACE2, and Hydroxychloroquine: Cardiovascular Complications, Therapeutics, and Clinical Readouts in the Current Settings. Pathogens, 2020, 9, 546.	2.8	31
36	The Importance of Research on the Origin of SARS-CoV-2. Viruses, 2020, 12, 1203.	3.3	27

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37	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	3.8	33
38	SARS-CoV-2 pathophysiology and assessment of coronaviruses in CNS diseases with a focus on therapeutic targets. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165889.	3.8	55
39	Vitamins (A&D) and Isoprenoid (Chenodeoxycholic acid) molecules are accompanied by Th1 immunostimulatory response and therapeutic cure in vivo: possible antileishmanial drugs. Scientific Reports, 2019, 9, 8531.	3.3	8
40	Current Status of Healthy Aging and Dementia Research: A Symposium Summary. Journal of Alzheimer's Disease, 2019, 72, S11-S35.	2.6	5
41	Mitochondrial division inhibitor 1 reduces dynamin-related protein 1 and mitochondrial fission activity. Human Molecular Genetics, 2019, 28, 177-199.	2.9	132
42	Hippocampal mutant APP and amyloid beta-induced cognitive decline, dendritic spine loss, defective autophagy, mitophagy and mitochondrial abnormalities in a mouse model of Alzheimerâ€™s disease. Human Molecular Genetics, 2018, 27, 1332-1342.	2.9	199
43	Protective Effects of Indian Spice Curcumin Against Amyloid-Î² in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 61, 843-866.	2.6	246
44	Prevalence of the apolipoprotein E Îµ4 allele in amyloid Î² positive subjects across the spectrum of Alzheimer's disease. Alzheimer's and Dementia, 2018, 14, 913-924.	0.8	58
45	Hippocampal phosphorylated tau induced cognitive decline, dendritic spine loss and mitochondrial abnormalities in a mouse model of Alzheimerâ€™s disease. Human Molecular Genetics, 2018, 27, 30-40.	2.9	171
46	Conformational transition pathway of R308K mutant glucokinase in the presence of the glucokinase activator <scp>YNKGKA</scp>4. FEBS Open Bio, 2018, 8, 1202-1208.	2.3	3
47	Liquid Crystals: A Novel Approach for Cancer Detection and Treatment. Cancers, 2018, 10, 462.	3.7	27
48	Dynamics of diabetes and obesity: Epidemiological perspective. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1026-1036.	3.8	173
49	Therapeutics of Neurotransmitters in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 57, 1049-1069.	2.6	169
50	Novel 1, 4-dihydropyridines for L-type calcium channel as antagonists for cadmium toxicity. Scientific Reports, 2017, 7, 45211.	3.3	28
51	Mitochondria-targeted small molecule SS31: a potential candidate for the treatment of Alzheimerâ€™s disease. Human Molecular Genetics, 2017, 26, 1483-1496.	2.9	83
52	MicroRNAs, Aging, Cellular Senescence, and Alzheimer's Disease. Progress in Molecular Biology and Translational Science, 2017, 146, 127-171.	1.7	72
53	A critical evaluation of neuroprotective and neurodegenerative MicroRNAs in Alzheimer's disease. Biochemical and Biophysical Research Communications, 2017, 483, 1156-1165.	2.1	105
54	Is Alzheimer's disease a Type 3 Diabetes? A critical appraisal. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1078-1089.	3.8	393

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55	Cell cycle activation in p21 dependent pathway: An alternative mechanism of organophosphate induced dopaminergic neurodegeneration. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1858-1866.	3.8	14
56	Understanding Aspects of Aluminum Exposure in <scp>A</scp>lzheimer's Disease Development. Brain Pathology, 2016, 26, 139-154.	4.1	106
57	Protective effects of reduced dynamin-related protein 1 against amyloid beta-induced mitochondrial dysfunction and synaptic damage in Alzheimerâ€™s disease. Human Molecular Genetics, 2016, 25, ddw330.	2.9	125
58	Protective Effects of a Natural Product, Curcumin, against Amyloid Î² Induced Mitochondrial and Synaptic Toxicities in Alzheimer'S Disease. Journal of Investigative Medicine, 2016, 64, 1220-1234.	1.6	120
59	Reduced dynamin-related protein 1 protects against phosphorylated Tau-induced mitochondrial dysfunction and synaptic damage in Alzheimerâ€™s disease. Human Molecular Genetics, 2016, 25, 4881-4897.	2.9	142
60	Quercetin attenuates neuronal death against aluminum-induced neurodegeneration in the rat hippocampus. Neuroscience, 2016, 324, 163-176.	2.3	106
61	Multiple faces of dynamin-related protein 1 and its role in Alzheimer's disease pathogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 814-828.	3.8	124
62	Garrison Institute on Aging: A New Hope forÂElderly Individuals and Patients withÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 48, 547-555.	2.6	2
63	Prevalence of Cerebral Amyloid Pathology in Persons Without Dementia. JAMA - Journal of the American Medical Association, 2015, 313, 1924.	7.4	1,166
64	Antiangiogenic effects of a novel synthetic curcumin analogue in pancreatic cancer. Cancer Letters, 2015, 357, 557-565.	7.2	71
65	A role for reactive oxygen species in the resolution of persistent genomic instability after exposure to radiation. Journal of Radiation Research, 2014, 55, i14-i14.	1.6	1
66	Effect of Resveratrol and Nicotine on PON1 Gene Expression: In Vitro Study. Indian Journal of Clinical Biochemistry, 2014, 29, 69-73.	1.9	7
67	Caspase inhibition augments Dichlorvos-induced dopaminergic neuronal cell death by increasing ROS production and PARP1 activation. Neuroscience, 2014, 258, 1-15.	2.3	29
68	Imaging and curcumin delivery in pancreatic cancer cell lines using PEGylated Î±-Gd₂(MoO₄)₃mesoporous particles. Dalton Transactions, 2014, 43, 3330-3338.	3.3	34
69	CSF Ubiquitin As a Specific Biomarker in Alzheimer's Disease. Current Alzheimer Research, 2014, 11, 340-348.	1.4	27
70	Quercetin Protects Against Chronic Aluminum-Induced Oxidative Stress and Ensuing Biochemical, Cholinergic, and Neurobehavioral Impairments in Rats. Neurotoxicity Research, 2013, 23, 336-57.	2.7	56
71	Aluminium induced oxidative stress results in decreased mitochondrial biogenesis via modulation of PGC-1Î± expression. Toxicology and Applied Pharmacology, 2013, 273, 365-380.	2.8	52
72	PEGylated Î±-Gd₂(MoO₄)₃ Mesoporous Flowers: Synthesis, Characterization, and Biological Application. Crystal Growth and Design, 2013, 13, 4051-4058.	3.0	29

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73	CSF p-Tau levels in the prediction of Alzheimer's disease. Biology Open, 2013, 2, 1119-1124.	1.2	46
74	Apolipoprotein E Levels in the Cerebrospinal Fluid of North Indian Patients With Alzheimerâ€™s Disease. American Journal of Alzheimer's Disease and Other Dementias, 2013, 28, 258-262.	1.9	12
75	siRNA against presenilin 1 (PS1) down regulates amyloid Î²42 production in IMR-32 cells. Journal of Biomedical Science, 2012, 19, 2.	7.0	21
76	Protective Efficacy of Coenzyme Q10 Against DDVP-Induced Cognitive Impairments and Neurodegeneration in Rats. Neurotoxicity Research, 2012, 21, 345-357.	2.7	19
77	Serum paraoxonase-1 (PON1) activities (PONase/AREase) and polymorphisms in patients with type 2 diabetes mellitus in a North-West Indian population. Gene, 2011, 487, 88-95.	2.2	31
78	Cerebrospinal fluid profile of amyloid Î²42 (AÎ²42), hTau and ubiquitin in North Indian Alzheimer's disease patients. Neuroscience Letters, 2011, 487, 134-138.	2.1	27
79	Protective efficacy of mitochondrial targeted antioxidant MitoQ against dichlorvos induced oxidative stress and cell death in rat brain. Neuropharmacology, 2011, 61, 1193-1201.	4.1	83
80	Mitochondrial energy metabolism impairment and liver dysfunction following chronic exposure to dichlorvos. Toxicology, 2010, 270, 77-84.	4.2	102
81	CSF Potential Biomarkers AÎ²42 and Tau: associations of Apo E Genotype. Annals of General Psychiatry, 2010, 9, .	2.7	0
82	Nigrostriatal neuronal death following chronic dichlorvos exposure: crosstalk between mitochondrial impairments, Î± synuclein aggregation, oxidative damage and behavioral changes. Molecular Brain, 2010, 3, 35.	2.6	59