Amit Mishra

List of Publications by Citations

80 papers	1,638 citations	23 h-index	37 g-index
84 ext. papers	2,070 ext. citations	6 avg, IF	5.05 L-index

#	Paper	IF	Citations
80	Exploring dengue genome to construct a multi-epitope based subunit vaccine by utilizing immunoinformatics approach to battle against dengue infection. *Scientific Reports*, **2017**, 7, 9232	4.9	155
79	Aspirin induces apoptosis through the inhibition of proteasome function. *Journal of Biological Chemistry*, **2006**, 281, 29228-35	5.4	94
78	Oxidative stress promotes mutant huntingtin aggregation and mutant huntingtin-dependent cell death by mimicking proteasomal malfunction. *Biochemical and Biophysical Research Communications*, **2006**, 342, 184-90	3.4	91
77	The ubiquitin ligase E6-AP is induced and recruited to aggresomes in response to proteasome inhibition and may be involved in the ubiquitination of Hsp70-bound misfolded proteins. *Journal of Biological Chemistry*, **2009**, 284, 10537-45	5.4	70
76	E6-AP promotes misfolded polyglutamine proteins for proteasomal degradation and suppresses polyglutamine protein aggregation and toxicity. *Journal of Biological Chemistry*, **2008**, 283, 7648-56	5.4	67
75	UBE3A/E6-AP regulates cell proliferation by promoting proteasomal degradation of p27. *Neurobiology of Disease*, **2009**, 36, 26-34	7.5	65
74	Curcumin induces stress response, neurite outgrowth and prevent NF-kappaB activation by inhibiting the proteasome function. *Neurotoxicity Research*, **2006**, 9, 29-37	4.3	56
73	Structure-function and application of plant lectins in disease biology and immunity. *Food and Chemical Toxicology*, **2019**, 134, 110827	4.7	53
72	Excavating chikungunya genome to design B and T cell multi-epitope subunit vaccine using comprehensive immunoinformatics approach to control chikungunya infection. *Infection, Genetics and Evolution*, **2018**, 61, 4-15	4.5	51
71	Evidences for Piperine inhibiting cancer by targeting human G-quadruplex DNA sequences. *Scientific Reports*, **2016**, 6, 39239	4.9	50
70	Designing B- and T-cell multi-epitope based subunit vaccine using immunoinformatics approach to control Zika virus infection. *Journal of Cellular Biochemistry*, **2018**, 119, 7631-7642	4.7	49
69	E3 Ubiquitin Ligases Neurobiological Mechanisms: Development to Degeneration. *Frontiers in Molecular Neuroscience*, **2017**, 10, 151	6.1	39
68	Emerging role of circulating microRNA in the diagnosis of human infectious diseases. *Journal of Cellular Physiology*, **2019**, 234, 1030-1043	7	37
67	Mahogunin ring finger-1 (MGRN1) suppresses chaperone-associated misfolded protein aggregation and toxicity. *Scientific Reports*, **2013**, 3, 1972	4.9	34
66	A Decade of Boon or Burden: What Has the CHIP Ever Done for Cellular Protein Quality Control Mechanism Implicated in Neurodegeneration and Aging?. *Frontiers in Molecular Neuroscience*, **2016**, 9, 93	6.1	34
65	Micromanagement of Immune System: Role of miRNAs in Helminthic Infections. *Frontiers in Microbiology*, **2017**, 8, 586	5.7	33
64	Curcumin enhances the polyglutamine-expanded truncated N-terminal huntingtin-induced cell death by promoting proteasomal malfunction. *Biochemical and Biophysical Research Communications*, **2006**, 342, 1323-8	3.4	27

63	Myricetin Reduces Toxic Level of CAG Repeats RNA in Huntington's Disease (HD) and Spino Cerebellar Ataxia (SCAs). *ACS Chemical Biology*, **2018**, 13, 180-188	4.9	27
62	Polyphenolic flavonoid (Myricetin) upregulated proteasomal degradation mechanisms: Eliminates neurodegenerative proteins aggregation. *Journal of Cellular Physiology*, **2019**, 234, 20900-20914	7	25
61	E6-AP association promotes SOD1 aggresomes degradation and suppresses toxicity. *Neurobiology of Aging*, **2013**, 34, 1310.e11-23	5.6	25
60	Misfolded proteins recognition strategies of E3 ubiquitin ligases and neurodegenerative diseases. *Molecular Neurobiology*, **2013**, 47, 302-12	6.2	25
59	Mahogunin ring finger 1 suppresses misfolded polyglutamine aggregation and cytotoxicity. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1472-84	6.9	24
58	Protein quality control system in neurodegeneration: a healing company hard to beat but failure is fatal. *Molecular Neurobiology*, **2013**, 48, 141-56	6.2	23
57	Gp78 E3 Ubiquitin Ligase: Essential Functions and Contributions in Proteostasis. *Frontiers in Cellular Neuroscience*, **2017**, 11, 259	6.1	22
56	Progressing neurobiological strategies against proteostasis failure: Challenges in neurodegeneration. *Progress in Neurobiology*, **2017**, 159, 1-38	10.9	21
55	E3 ubiquitin ligases in protein quality control mechanism. *Molecular Neurobiology*, **2012**, 45, 571-85	6.2	21
54	Rationally designed small molecules targeting toxic CAG repeat RNA that causes Huntington's disease (HD) and spinocerebellar ataxia (SCAs). *Biochimie*, **2019**, 163, 21-32	4.6	20
53	Lanosterol Suppresses the Aggregation and Cytotoxicity of Misfolded Proteins Linked with Neurodegenerative Diseases. *Molecular Neurobiology*, **2018**, 55, 1169-1182	6.2	20
52	Mahogunin Ring Finger-1 (MGRN1), a Multifaceted Ubiquitin Ligase: Recent Unraveling of Neurobiological Mechanisms. *Molecular Neurobiology*, **2016**, 53, 4484-96	6.2	18
51	Ubiquitin ligase ITCH recruitment suppresses the aggregation and cellular toxicity of cytoplasmic misfolded proteins. *Scientific Reports*, **2014**, 4, 5077	4.9	18
50	Selective multifaceted E3 ubiquitin ligases barricade extreme defense: Potential therapeutic targets for neurodegeneration and ageing. *Ageing Research Reviews*, **2015**, 24, 138-59	12	17
49	Proteasome-mediated proteostasis: Novel medicinal and pharmacological strategies for diseases. *Medicinal Research Reviews*, **2018**, 38, 1916-1973	14.4	17
48	Discovery of a potent small molecule inhibiting Huntington's disease (HD) pathogenesis via targeting CAG repeats RNA and Poly Q protein. *Scientific Reports*, **2019**, 9, 16872	4.9	16
47	Protein nanocomposites: Special inferences to lysozyme based nanomaterials. *International Journal of Biological Macromolecules*, **2020**, 151, 467-482	7.9	15
46	Mahogunin ring finger 1 confers cytoprotection against mutant SOD1 aggresomes and is defective in an ALS mouse model. *Neurobiology of Disease*, **2016**, 86, 16-28	7.5	15

45	Autophagy coupling interplay: can improve cellular repair and aging?. *Molecular Neurobiology*, **2014**, 49, 1270-81	6.2	15
44	Induction of chemokines, MCP-1, and KC in the mutant huntingtin expressing neuronal cells because of proteasomal dysfunction. *Journal of Neurochemistry*, **2009**, 108, 787-95	6	15
43	Development of multi-epitope chimeric vaccine against by exploring its proteome: approach. *Expert Review of Vaccines*, **2020**, 19, 105-114	5.2	15
42	Ibuprofen Induces Mitochondrial-Mediated Apoptosis Through Proteasomal Dysfunction. *Molecular Neurobiology*, **2016**, 53, 6968-6981	6.2	14
41	Expression of expanded polyglutamine proteins suppresses the activation of transcription factor NFkappaB. *Journal of Biological Chemistry*, **2006**, 281, 37017-24	5.4	14
40	Neglected Agent Eminent Disease: Linking Human Helminthic Infection, Inflammation, and Malignancy. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 402	5.9	14
39	Unraveling the evolutionary origin of ELR motif using fish CXC chemokine CXCL8. *Fish and Shellfish Immunology*, **2019**, 93, 17-27	4.3	13
38	ESAT-6 modulates Calcimycin-induced autophagy through microRNA-30a in mycobacteria infected macrophages. *Journal of Infection*, **2019**, 79, 139-152	18.9	11
37	Examination of antigenic proteins of Trypanosoma cruzi to fabricate an epitope-based subunit vaccine by exploiting epitope mapping mechanism. *Vaccine*, **2018**, 36, 6290-6300	4.1	11
36	Receptor-ligand based molecular interaction to discover adjuvant for immune cell TLRs to develop next-generation vaccine. *International Journal of Biological Macromolecules*, **2020**, 152, 535-545	7.9	10
35	How autophagy can restore proteostasis defects in multiple diseases?. *Medicinal Research Reviews*, **2020**, 40, 1385-1439	14.4	10
34	Curcumin Regulates the r(CGG) RNA Hairpin Structure and Ameliorate Defects in Fragile X-Associated Tremor Ataxia Syndrome. *Frontiers in Neuroscience*, **2020**, 14, 295	5.1	10
33	Salubrinal attenuates nitric oxide mediated PERK:IRE1ATF-6 signaling and DNA damage in neuronal cells. *Neurochemistry International*, **2019**, 131, 104581	4.4	10
32	Proteasomal Dysfunction Induced By Diclofenac Engenders Apoptosis Through Mitochondrial Pathway. *Journal of Cellular Biochemistry*, **2017**, 118, 1014-1027	4.7	10
31	Molecular Neuro-Pathomechanism of Neurocysticercosis: How Host Genetic Factors Influence Disease Susceptibility. *Molecular Neurobiology*, **2018**, 55, 1019-1025	6.2	8
30	Indomethacin elicits proteasomal dysfunctions develops apoptosis through mitochondrial abnormalities. *Journal of Cellular Physiology*, **2018**, 233, 1685-1699	7	8
29	Curcumin analogs exhibit anti-cancer activity by selectively targeting G-quadruplex forming c-myc promoter sequence. *Biochimie*, **2021**, 180, 205-221	4.6	7
28	Amyloids of multiple species: are they helpful in survival?. *Biological Reviews*, **2018**, 93, 1363-1386	13.5	6

27	Dissecting the differential structural and dynamics features of CCL2 chemokine orthologs. *International Journal of Biological Macromolecules*, **2020**, 156, 239-251	7.9	6
26	Elucidating Protein-protein Interactions Through Computational Approaches and Designing Small Molecule Inhibitors Against them for Various Diseases. *Current Topics in Medicinal Chemistry*, **2018**, 18, 1719-1736	3	6
25	Ag(I) and Au(III) Mercaptobenzothiazole complexes induced apoptotic cell death. *Scientific Reports*, **2019**, 9, 621	4.9	5
24	Structural vaccinology approach to investigate the virulent and secretory proteins of for devising anthrax next-generation vaccine. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 4895-4905	3.6	5
23	Ulmosides A: Flavonoid 6-C-glycosides from Ulmus wallichiana attenuates lipopolysacchride induced oxidative stress, apoptosis and neuronal death. *NeuroToxicology*, **2019**, 73, 100-111	4.4	4
22	LRSAM1 E3 ubiquitin ligase: molecular neurobiological perspectives linked with brain diseases. *Cellular and Molecular Life Sciences*, **2019**, 76, 2093-2110	10.3	4
21	Herpesviruses and the hidden links to Multiple Sclerosis neuropathology. *Journal of Neuroimmunology*, **2021**, 358, 577636	3.5	4
20	Mechanism for antiParkinsonian effect of resveratrol: Involvement of transporters, synaptic proteins, dendrite arborization, biochemical alterations, ER stress and apoptosis. *Food and Chemical Toxicology*, **2021**, 155, 112433	4.7	4
19	Rivastigmine attenuates the Alzheimer's disease related protein degradation and apoptotic neuronal death signalling. *Biochemical Journal*, **2021**, 478, 1435-1451	3.8	3
18	Cardinal role of eukaryotic initiation factor 2 (eIF2) in progressive dopaminergic neuronal death & DNA fragmentation: Implication of PERK:IRE1 ATF6 axis in Parkinson's pathology. *Cellular Signalling*, **2021**, 81, 109922	4.9	3
17	Combinatorial screening algorithm to engineer multiepitope subunit vaccine targeting human T-lymphotropic virus-1 infection. *Journal of Cellular Physiology*, **2019**, 234, 8717-8726	7	3
16	Ubiquitin ligase LRSAM1 suppresses neurodegenerative diseases linked aberrant proteins induced cell death. *International Journal of Biochemistry and Cell Biology*, **2020**, 120, 105697	5.6	2
15	Ibuprofen-based advanced therapeutics: breaking the inflammatory link in cancer, neurodegeneration, and diseases. *Drug Metabolism Reviews*, **2021**, 53, 100-121	7	2
14	Complex Inclusion Bodies and Defective Proteome Hubs in Neurodegenerative Disease: New Clues, New Challenges. *Neuroscientist*, **2021**, 1073858421989582	7.6	2
13	Predicting E3 Ubiquitin Ligases as Possible Promising Biomarkers for Brain Tumors **2019**, 43-72		1
12	Evaluation of Taenia solium cyst fluid-based enzyme linked immunoelectro transfer blot for Neurocysticercosis diagnosis in urban and highly endemic rural population of North India. *Clinica Chimica Acta*, **2020**, 508, 16-21	6.2	1
11	Molecular and Cellular Insights: Neuroinflammation and Amyotrophic Lateral Sclerosis **2016**, 209-230		1
10	Soybean lectin induces autophagy through P2RX7 dependent activation of NF- B-ROS pathway to kill intracellular mycobacteria. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1865, 129806	4	1

9	LISTERIN E3 Ubiquitin Ligase and Ribosome-Associated Quality Control (RQC) Mechanism. *Molecular Neurobiology*, **2021**, 58, 6593-6609	6.2	1
8	Immunoinformatics driven construction of multi-epitope vaccine candidate against using its entire immunogenic epitopes. *Expert Review of Vaccines*, **2021**, 1-13	5.2	1
7	Guanabenz mitigates the neuropathological alterations and cell death in Alzheimer's disease.. *Cell and Tissue Research*, **2022**, 1	4.2	1
6	ESAT-6 impedes IL-18 mediated phagosome lysosome fusion via microRNA-30a upon Calcimycin treatment in mycobacteria infected macrophages. *International Immunopharmacology*, **2021**, 101, 108319	5.8	0
5	LRSAM1 E3 ubiquitin ligase promotes proteasomal clearance of E6-AP protein. *Cellular Signalling*, **2021**, 77, 109836	4.9	0
4	Gp78 involvement in cellular proliferation: Can act as a promising modulator for cell cycle regulatory proteins?. *Journal of Cellular Physiology*, **2018**, 233, 6352-6368	7	0
3	Vaccine for a neglected tropical disease cysticercosis: fight for eradication against all odds. *Expert Review of Vaccines*, **2021**, 1-12	5.2	0
2	Neurodegeneration & imperfect ageing: Technological limitations and challenges?. *Mechanisms of Ageing and Development*, **2021**, 200, 111574	5.6	
1	Improper Proteostasis: Can It Serve as Biomarkers for Neurodegenerative Diseases?. *Molecular Neurobiology*, **2022**, 1	6.2	