

Basant K Patel

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,158
citations

623574

14
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of TDP-43 Misfolding and Pathology in Amyotrophic Lateral Sclerosis. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 25.	1.4	459
2	The yeast global transcriptional co-repressor protein Cyc8 can propagate as a prion. <i>Nature Cell Biology</i> , 2009, 11, 344-349.	4.6	242
3	Prion-proof for [PIN+]: Infection with In Vitro-made Amyloid Aggregates of Rnq1p-(132-405) Induces [PIN+]. <i>Journal of Molecular Biology</i> , 2007, 365, 773-782.	2.0	133
4	Overexpression of the essential Sis1 chaperone reduces TDP-43 effects on toxicity and proteolysis. <i>PLoS Genetics</i> , 2017, 13, e1006805.	1.5	40
5	An acridine derivative, [4,5-bis{(N-carboxy methyl imidazolium)methyl}acridine] dibromide, shows anti-TDP-43 aggregation effect in ALS disease models. <i>Scientific Reports</i> , 2016, 6, 39490.	1.6	35
6	Use of <i>ade1</i> and <i>ade2</i> mutations for development of a versatile red/white colour assay of amyloid-induced oxidative stress in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2016, 33, 607-620.	0.8	31
7	A High Cysteine Containing Thiol Proteinase from the Latex of <i>Ervatamia heyneana</i> : Purification and Comparison with <i>Ervatamin B</i> and <i>C</i> from <i>Ervatamia coronaria</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 6326-6334.	2.4	26
8	The amyloidogenicity of a C-terminal region of TDP-43 implicated in Amyotrophic Lateral Sclerosis can be affected by anions, acetylation and homodimerization. <i>Biochimie</i> , 2018, 150, 76-87.	1.3	24
9	Wild-type hen egg white lysozyme aggregation in vitro can form self-seeding amyloid conformational variants. <i>Biophysical Chemistry</i> , 2016, 219, 28-37.	1.5	23
10	Computational insights into mechanism of AIM4-mediated inhibition of aggregation of TDP-43 protein implicated in ALS and evidence for in vitro inhibition of liquid-liquid phase separation (LLPS) of TDP-432C-A315T by AIM4. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 117-130.	3.6	22
11	New insights into in vitro amyloidogenic properties of human serum albumin suggest considerations for therapeutic precautions. <i>FEBS Letters</i> , 2015, 589, 4033-4038.	1.3	21
12	Familial mutations in fibrinogen A α (FGA) chain identified in renal amyloidosis increase in vitro amyloidogenicity of FGA fragment. <i>Biochimie</i> , 2016, 127, 44-49.	1.3	20
13	Imidazolium tagged acridines: Synthesis, characterization and applications in DNA binding and anti-microbial activities. <i>Journal of Molecular Structure</i> , 2016, 1107, 291-299.	1.8	17
14	Amyloid-like aggregation of bovine serum albumin at physiological temperature induced by cross-seeding effect of HEWL amyloid aggregates. <i>Biophysical Chemistry</i> , 2021, 278, 106678.	1.5	17
15	Recombinant Human Semenogelin-1 (Sg1) and Sg1 (1-159) form Detergent Stable Amyloid like Aggregates in vitro. <i>Protein and Peptide Letters</i> , 2015, 23, 87-96.	0.4	11
16	Role of CNC1 gene in TDP-43 aggregation-induced oxidative stress-mediated cell death in <i>S. cerevisiae</i> model of ALS. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118993.	1.9	11
17	Q-Rich Yeast Prion [PSI+] Accelerates Aggregation of Transthyretin, a Non-Q-Rich Human Protein. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 75.	1.4	8
18	Zn ²⁺ modulates in vitro phase separation of TDP-432C and mutant TDP-432C-A315T C-terminal fragments of TDP-43 protein implicated in ALS and FTLD-TDP diseases. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 186-200.	3.6	7

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19	A Protocol of Using White/Red Color Assay to Measure Amyloid-induced Oxidative Stress in <i>Saccharomyces cerevisiae</i> . <i>Bio-protocol</i> , 2017, 7, e2440.	0.2	6
20	Elevated constitutive expression of Hsp40 chaperone Sis1 reduces TDP-43 aggregation-induced oxidative stress in Ire1 pathway dependent-manner in yeast TDP-43 proteinopathy model of amyotrophic lateral sclerosis. <i>Biochemical and Biophysical Research Communications</i> , 2022, 595, 28-34.	1.0	5
21	TDP-43 proteinopathy mechanisms from non-mammalian model systems. , 2022, , 153-181.		0