

Hilal A Lashuel

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131 papers	10,913 citations	48 h-index	104 g-index
158 ext. papers	12,932 ext. citations	9.6 avg, IF	6.61 L-index

#	Paper	IF	Citations
131	Neurodegenerative disease: amyloid pores from pathogenic mutations. <i>Nature</i> , 2002 , 418, 291	50.4	1046
130	The many faces of β -synuclein: from structure and toxicity to therapeutic target. <i>Nature Reviews Neuroscience</i> , 2013 , 14, 38-48	13.5	975
129	Alpha-synuclein, especially the Parkinson's disease-associated mutants, forms pore-like annular and tubular protofibrils. <i>Journal of Molecular Biology</i> , 2002 , 322, 1089-102	6.5	687
128	A century-old debate on protein aggregation and neurodegeneration enters the clinic. <i>Nature</i> , 2006 , 443, 774-9	50.4	554
127	Amyloidogenic protein-membrane interactions: mechanistic insight from model systems. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5628-54	16.4	456
126	β -synuclein in central nervous system and from erythrocytes, mammalian cells, and Escherichia coli exists predominantly as disordered monomer. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15345-64	5.4	375
125	Are amyloid diseases caused by protein aggregates that mimic bacterial pore-forming toxins?. <i>Quarterly Reviews of Biophysics</i> , 2006 , 39, 167-201	7	325
124	Protofilaments, filaments, ribbons, and fibrils from peptidomimetic self-assembly: implications for amyloid fibril formation and materials science. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5262-77	16.4	267
123	Phosphorylation at Ser-129 but not the phosphomimics S129E/D inhibits the fibrillation of alpha-synuclein. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16895-905	5.4	240
122	Role of post-translational modifications in modulating the structure, function and toxicity of alpha-synuclein: implications for Parkinson's disease pathogenesis and therapies. <i>Progress in Brain Research</i> , 2010 , 183, 115-45	2.9	239
121	Highly efficient and chemoselective peptide ubiquitylation. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8090-4	16.4	227
120	Mixtures of wild-type and a pathogenic (E22G) form of Abeta40 in vitro accumulate protofibrils, including amyloid pores. <i>Journal of Molecular Biology</i> , 2003 , 332, 795-808	6.5	213
119	Amyloid-beta aggregates cause alterations of astrocytic metabolic phenotype: impact on neuronal viability. <i>Journal of Neuroscience</i> , 2010 , 30, 3326-38	6.6	207
118	Phosphorylation at S87 is enhanced in synucleinopathies, inhibits alpha-synuclein oligomerization, and influences synuclein-membrane interactions. <i>Journal of Neuroscience</i> , 2010 , 30, 3184-98	6.6	207
117	The ratio of monomeric to aggregated forms of Abeta40 and Abeta42 is an important determinant of amyloid-beta aggregation, fibrillogenesis, and toxicity. <i>Journal of Biological Chemistry</i> , 2008 , 283, 28176-89	5.4	197
116	The process of Lewy body formation, rather than simply β -synuclein fibrillization, is one of the major drivers of neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4971-4982	11.5	193
115	The impact of the E46K mutation on the properties of alpha-synuclein in its monomeric and oligomeric states. <i>Biochemistry</i> , 2007 , 46, 7107-18	3.2	178

114	Phosphorylation of synucleins by members of the Polo-like kinase family. <i>Journal of Biological Chemistry</i> , 2010 , 285, 2807-22	5.4	170
113	Structural properties of pore-forming oligomers of alpha-synuclein. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17482-9	16.4	162
112	The novel Parkinson's disease linked mutation G51D attenuates in vitro aggregation and membrane binding of β synuclein, and enhances its secretion and nuclear localization in cells. <i>Human Molecular Genetics</i> , 2014 , 23, 4491-509	5.6	153
111	c-Abl phosphorylates β synuclein and regulates its degradation: implication for β synuclein clearance and contribution to the pathogenesis of Parkinson's disease. <i>Human Molecular Genetics</i> , 2014 , 23, 2858-79	5.6	126
110	The H50Q mutation enhances β synuclein aggregation, secretion, and toxicity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21856-76	5.4	126
109	Polo-like kinase 2 regulates selective autophagic β synuclein clearance and suppresses its toxicity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3945-54	11.5	125
108	Characterization of semisynthetic and naturally N-acetylated β synuclein in vitro and in intact cells: implications for aggregation and cellular properties of β synuclein. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28243-62	5.4	121
107	The size of the proteasomal substrate determines whether its degradation will be mediated by mono- or polyubiquitylation. <i>Molecular Cell</i> , 2012 , 48, 87-97	17.6	119
106	Abeta protofibrils possess a stable core structure resistant to hydrogen exchange. <i>Biochemistry</i> , 2003 , 42, 14092-8	3.2	116
105	New class of inhibitors of amyloid-beta fibril formation. Implications for the mechanism of pathogenesis in Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42881-90	5.4	115
104	Synthetic polyubiquitinated β synuclein reveals important insights into the roles of the ubiquitin chain in regulating its pathophysiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17726-31	11.5	108
103	Alpha-synuclein post-translational modifications as potential biomarkers for Parkinson disease and other synucleinopathies. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3543-58	7.6	106
102	Resolving molecule-specific information in dynamic lipid membrane processes with multi-resonant infrared metasurfaces. <i>Nature Communications</i> , 2018 , 9, 2160	17.4	103
101	Oxidative and nitrative alpha-synuclein modifications and proteostatic stress: implications for disease mechanisms and interventions in synucleinopathies. <i>Journal of Neurochemistry</i> , 2013 , 125, 491-511	6.1	102
100	Towards elucidation of the role of ubiquitination in the pathogenesis of Parkinson's disease with semisynthetic ubiquitinated β synuclein. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 405-9	16.4	97
99	Glycation potentiates β synuclein-associated neurodegeneration in synucleinopathies. <i>Brain</i> , 2017 , 140, 1399-1419	11.2	96
98	β synuclein O-GlcNAcylation alters aggregation and toxicity, revealing certain residues as potential inhibitors of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1511-1519	11.5	91
97	Inhibition of alpha-synuclein fibrillization by dopamine is mediated by interactions with five C-terminal residues and with E83 in the NAC region. <i>PLoS ONE</i> , 2008 , 3, e3394	3.7	88

96	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. <i>Toxicology Research</i> , 2016 , 5, 407-419	2.6	82
95	Elucidating the Role of Site-Specific Nitration of β Synuclein in the Pathogenesis of Parkinson's Disease via Protein Semisynthesis and Mutagenesis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5041-52	16.4	81
94	Discovery and characterization of stable and toxic Tau/phospholipid oligomeric complexes. <i>Nature Communications</i> , 2017 , 8, 1678	17.4	77
93	Phosphorylation of β Synuclein at Y125 and S129 alters its metal binding properties: implications for understanding the role of β Synuclein in the pathogenesis of Parkinson's Disease and related disorders. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 667-75	5.7	76
92	Elucidating the role of C-terminal post-translational modifications using protein semisynthesis strategies: β Synuclein phosphorylation at tyrosine 125. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5196-210	16.4	75
91	Induction of de novo β Synuclein fibrillization in a neuronal model for Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E912-21	11.5	69
90	Nanoplasmonic mid-infrared biosensor for protein secondary structure detection. <i>Light: Science and Applications</i> , 2017 , 6, e17029	16.7	66
89	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. <i>Neuron</i> , 2017 , 96, 1290-1302.e6	13.9	65
88	Mimicking phosphorylation at serine 87 inhibits the aggregation of human β Synuclein and protects against its toxicity in a rat model of Parkinson's disease. <i>Journal of Neuroscience</i> , 2012 , 32, 1536-44	6.6	64
87	Disruption of amyloid-derived peptide assemblies through the controlled induction of a beta-sheet to alpha-helix transformation: application of the switch concept. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2681-4	16.4	60
86	Protein Semisynthesis Provides Access to Tau Disease-Associated Post-translational Modifications (PTMs) and Paves the Way to Deciphering the Tau PTM Code in Health and Diseased States. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6611-6621	16.4	54
85	Monomeric Huntingtin Exon 1 Has Similar Overall Structural Features for Wild-Type and Pathological Polyglutamine Lengths. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14456-14469	16.4	54
84	Identification and nanomechanical characterization of the fundamental single-strand protofilaments of amyloid β Synuclein fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7230-7235	11.5	51
83	Reverse engineering Lewy bodies: how far have we come and how far can we go?. <i>Nature Reviews Neuroscience</i> , 2021 , 22, 111-131	13.5	47
82	Parkinson disease mutant E46K enhances β Synuclein phosphorylation in mammalian cell lines, in yeast, and in vivo. <i>Journal of Biological Chemistry</i> , 2015 , 290, 9412-27	5.4	41
81	Membrane scission driven by the PROPPIN Atg18. <i>EMBO Journal</i> , 2017 , 36, 3274-3291	13	39
80	Extent of N-terminus exposure of monomeric alpha-synuclein determines its aggregation propensity. <i>Nature Communications</i> , 2020 , 11, 2820	17.4	39
79	Semisynthetic and in Vitro Phosphorylation of Alpha-Synuclein at Y39 Promotes Functional Partly Helical Membrane-Bound States Resembling Those Induced by PD Mutations. <i>ACS Chemical Biology</i> , 2016 , 11, 2428-37	4.9	39

78	One-pot semisynthesis of exon 1 of the Huntingtin protein: new tools for elucidating the role of posttranslational modifications in the pathogenesis of Huntington's disease. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1928-33	16.4	39
77	Mutant Exon1 Huntingtin Aggregation is Regulated by T3 Phosphorylation-Induced Structural Changes and Crosstalk between T3 Phosphorylation and Acetylation at K6. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5202-5207	16.4	38
76	Switch peptide via Staudinger reaction. <i>Organic Letters</i> , 2008 , 10, 5243-6	6.2	37
75	Switch-peptides as folding precursors in self-assembling peptides and amyloid fibrillogenesis. <i>Biopolymers</i> , 2007 , 88, 239-52	2.2	37
74	Do Lewy bodies contain alpha-synuclein fibrils? and Does it matter? A brief history and critical analysis of recent reports. <i>Neurobiology of Disease</i> , 2020 , 141, 104876	7.5	36
73	N-terminal Huntingtin (Htt) phosphorylation is a molecular switch regulating Htt aggregation, helical conformation, internalization, and nuclear targeting. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18540-18558	5.4	36
72	A user's guide for Eysynuclein biomarker studies in biological fluids: Perianalytical considerations. <i>Movement Disorders</i> , 2017 , 32, 1117-1130	7	35
71	Photobiomodulation Suppresses Alpha-Synuclein-Induced Toxicity in an AAV-Based Rat Genetic Model of Parkinson's Disease. <i>PLoS ONE</i> , 2015 , 10, e0140880	3.7	35
70	Phosphorylation of huntingtin at residue T3 is decreased in Huntington's disease and modulates mutant huntingtin protein conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10809-E10818	11.5	33
69	Microtubule-Binding R3 Fragment from Tau Self-Assembles into Giant Multistranded Amyloid Ribbons. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 618-22	16.4	33
68	One-pot total chemical synthesis of human Eysynuclein. <i>Chemical Communications</i> , 2013 , 49, 9254-6	5.8	31
67	How specific are the conformation-specific Eysynuclein antibodies? Characterization and validation of 16 Eysynuclein conformation-specific antibodies using well-characterized preparations of Eysynuclein monomers, fibrils and oligomers with distinct structures and morphology. <i>Neurobiology of Disease</i> , 2020 , 141, 105084	7.5	31
66	Real-Time In Situ Secondary Structure Analysis of Protein Monolayer with Mid-Infrared Plasmonic Nanoantennas. <i>ACS Sensors</i> , 2018 , 3, 1109-1117	9.2	30
65	Membrane permeabilization: a common mechanism in protein-misfolding diseases. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2005 , 2005, pe28		29
64	Site-Specific Hyperphosphorylation Inhibits, Rather than Promotes, Tau Fibrillization, Seeding Capacity, and Its Microtubule Binding. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4059-4067	16.4	29
63	Unraveling the complexity of amyloid polymorphism using gold nanoparticles and cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6866-6874	11.5	27
62	Antibody-based methods for the measurement of Eysynuclein concentration in human cerebrospinal fluid - method comparison and round robin study. <i>Journal of Neurochemistry</i> , 2019 , 149, 126-138	6	26
61	Single Posttranslational Modifications in the Central Repeat Domains of Tau4 Impact its Aggregation and Tubulin Binding. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1616-1620	16.4	26

60	An Intein-based Strategy for the Production of Tag-free Huntingtin Exon 1 Proteins Enables New Insights into the Polyglutamine Dependence of Httex1 Aggregation and Fibril Formation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12074-86	5.4	25
59	Chemical strategies for controlling protein folding and elucidating the molecular mechanisms of amyloid formation and toxicity. <i>Journal of Molecular Biology</i> , 2012 , 421, 204-36	6.5	24
58	Polyglutamine expansion affects huntingtin conformation in multiple Huntington's disease models. <i>Scientific Reports</i> , 2017 , 7, 5070	4.9	22
57	Switch-peptides: design and characterization of controllable super-amyloid-forming host-guest peptides as tools for identifying anti-amyloid agents. <i>ChemBioChem</i> , 2008 , 9, 2104-12	3.8	22
56	Towards Elucidation of the Role of Ubiquitination in the Pathogenesis of Parkinson's Disease with Semisynthetic Ubiquitinated β -Synuclein. <i>Angewandte Chemie</i> , 2011 , 123, 425-429	3.6	21
55	A simple, versatile and robust centrifugation-based filtration protocol for the isolation and quantification of β -synuclein monomers, oligomers and fibrils: Towards improving experimental reproducibility in β -synuclein research. <i>Journal of Neurochemistry</i> , 2020 , 153, 103-119	6	20
54	In vitro preparation of prefibrillar intermediates of amyloid-beta and alpha-synuclein. <i>Methods in Molecular Biology</i> , 2005 , 299, 19-33	1.4	19
53	The making of a Lewy body: the role of alpha-synuclein post-fibrillization modifications in regulating the formation and the maturation of pathological inclusions.		19
52	Exploring the role of post-translational modifications in regulating β -synuclein interactions by studying the effects of phosphorylation on nanobody binding. <i>Protein Science</i> , 2018 , 27, 1262-1274	6.3	18
51	Switch-Peptides: From Conformational Studies to Alzheimer's Disease. <i>Chimia</i> , 2006 , 60, 199-202	1.3	16
50	Detection of huntingtin exon 1 phosphorylation by Phos-Tag SDS-PAGE: Predominant phosphorylation on threonine 3 and regulation by IKK. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 1317-22	3.4	15
49	Phosphorylation of the overlooked tyrosine 310 regulates the structure, aggregation, and microtubule- and lipid-binding properties of Tau. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7905-7922	5.4	15
48	Influence of the β -Sheet Content on the Mechanical Properties of Aggregates during Amyloid Fibrillization. <i>Angewandte Chemie</i> , 2015 , 127, 2492-2496	3.6	15
47	TBK1 phosphorylates mutant Huntingtin and suppresses its aggregation and toxicity in Huntington's disease models. <i>EMBO Journal</i> , 2020 , 39, e104671	13	15
46	Phospho-S129 Alpha-Synuclein Is Present in Human Plasma but Not in Cerebrospinal Fluid as Determined by an Ultrasensitive Immunoassay. <i>Frontiers in Neuroscience</i> , 2019 , 13, 889	5.1	14
45	What about faculty?. <i>ELife</i> , 2020 , 9,	8.9	14
44	Rethinking protein aggregation and drug discovery in neurodegenerative diseases: Why we need to embrace complexity?. <i>Current Opinion in Chemical Biology</i> , 2021 , 64, 67-75	9.7	14
43	Amyloid single-cell cytotoxicity assays by nanomotion detection. <i>Cell Death Discovery</i> , 2017 , 3, 17053	6.9	13

42	Semisynthesis and Enzymatic Preparation of Post-translationally Modified β -Synuclein. <i>Methods in Molecular Biology</i> , 2016 , 1345, 3-20	1.4	12
41	Alpha-synuclein research: defining strategic moves in the battle against Parkinson's disease. <i>Npj Parkinsons Disease</i> , 2021 , 7, 65	9.7	12
40	Chronic corticosterone aggravates behavioral and neuronal symptomatology in a mouse model of alpha-synuclein pathology. <i>Neurobiology of Aging</i> , 2019 , 83, 11-20	5.6	11
39	The Role of Post-translational Modifications on the Energy Landscape of Huntingtin N-Terminus. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 95	5.6	10
38	Molecular electron microscopy approaches to elucidating the mechanisms of protein fibrillogenesis. <i>Methods in Molecular Biology</i> , 2005 , 299, 81-101	1.4	10
37	Single Posttranslational Modifications in the Central Repeat Domains of Tau4 Impact its Aggregation and Tubulin Binding. <i>Angewandte Chemie</i> , 2019 , 131, 1630-1634	3.6	10
36	Discovery of a novel aggregation domain in the huntingtin protein: implications for the mechanisms of Htt aggregation and toxicity. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 562-7	16.4	9
35	Structural differences of amyloid- β fibrils revealed by antibodies from phage display. <i>BMC Biotechnology</i> , 2015 , 15, 57	3.5	8
34	Ultrasensitive quantitative measurement of huntingtin phosphorylation at residue S13. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 521, 549-554	3.4	8
33	Site-Specific Hyperphosphorylation Inhibits, Rather than Promotes, Tau Fibrillization, Seeding Capacity, and Its Microtubule Binding. <i>Angewandte Chemie</i> , 2020 , 132, 4088-4096	3.6	8
32	Enforced dimerization between XBP1s and ATF6f enhances the protective effects of the UPR in models of neurodegeneration. <i>Molecular Therapy</i> , 2021 , 29, 1862-1882	11.7	8
31	Monitoring alpha-synuclein oligomerization and aggregation using bimolecular fluorescence complementation assays: What you see is not always what you get. <i>Journal of Neurochemistry</i> , 2021 , 157, 872-888	6	8
30	Site-Specific Phosphorylation of Huntingtin Exon 1 Recombinant Proteins Enabled by the Discovery of Novel Kinases. <i>ChemBioChem</i> , 2021 , 22, 217-231	3.8	8
29	Hypoxia Conditioning as a Promising Therapeutic Target in Parkinson's Disease?. <i>Movement Disorders</i> , 2021 , 36, 857-861	7	8
28	Generation of Native, Untagged Huntingtin Exon1 Monomer and Fibrils Using a SUMO Fusion Strategy. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	7
27	A New Caged-Glutamine Derivative as a Tool To Control the Assembly of Glutamine-Containing Amyloidogenic Peptides. <i>ChemBioChem</i> , 2016 , 17, 2353-2360	3.8	6
26	Pronounced β -Synuclein Pathology in a Seeding-Based Mouse Model Is Not Sufficient to Induce Mitochondrial Respiration Deficits in the Striatum and Amygdala. <i>ENeuro</i> , 2020 , 7,	3.9	6
25	One-Pot Semisynthesis of Exon 1 of the Huntingtin Protein: New Tools for Elucidating the Role of Posttranslational Modifications in the Pathogenesis of Huntington's Disease. <i>Angewandte Chemie</i> , 2014 , 126, 1959-1964	3.6	5

24	Amyloids go genomic: insights regarding the sequence determinants of prion formation from genome-wide studies. <i>ChemBioChem</i> , 2009 , 10, 1951-4	3.8	5
23	Nuclear and cytoplasmic huntingtin inclusions exhibit distinct biochemical composition, interactome and ultrastructural properties		5
22	Parkinson mice show functional and molecular changes in the gut long before motoric disease onset. <i>Molecular Neurodegeneration</i> , 2021 , 16, 34	19	5
21	Nuclear and cytoplasmic huntingtin inclusions exhibit distinct biochemical composition, interactome and ultrastructural properties. <i>Nature Communications</i> , 2021 , 12, 6579	17.4	4
20	Alpha-Synuclein oligomerization and aggregation: All models are useful but only if we know what they model: This is the reply to a comment "Alpha-synuclein oligomerization and aggregation: A model will always be a model" on the original article "Monitoring alpha-synuclein oligomerization and aggregation using bimolecular fluorescence complementation assays: What you see is not what you get".	6	4
19	Pharmacological characterization of mutant huntingtin aggregate-directed PET imaging tracers". <i>Scientific Reports</i> , 2021 , 11, 917977	4.9	4
18	Frontispiece: Mutant Exon1 Huntingtin Aggregation is Regulated by T3 Phosphorylation-Induced Structural Changes and Crosstalk between T3 Phosphorylation and Acetylation at K6. <i>Angewandte Chemie - International Edition</i> , 2017 , 56,	16.4	3
17	To target Tau pathologies, we must embrace and reconstruct their complexities. <i>Neurobiology of Disease</i> , 2021 , 161, 105536	7.5	3
16	The process of Lewy body formation, rather than simply alpha-synuclein fibrillization, is the major driver of neurodegeneration in synucleinopathies		3
15	A New Chemoenzymatic Semisynthetic Approach Provides Insight into the Role of Phosphorylation beyond Exon1 of Huntingtin and Reveals N-Terminal Fragment Length-Dependent Distinct Mechanisms of Aggregation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9798-9812	16.4	3
14	Investigating Crosstalk Among PTMs Provides Novel Insight Into the Structural Basis Underlying the Differential Effects of Nt17 PTMs on Mutant Httex1 Aggregation. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 686086	5.6	3
13	The Nt17 domain and its helical conformation regulate the aggregation, cellular properties and neurotoxicity of mutant huntingtin exon 1		3
12	Mutant Exon1 Huntingtin Aggregation is Regulated by T3 Phosphorylation-Induced Structural Changes and Crosstalk between T3 Phosphorylation and Acetylation at K6. <i>Angewandte Chemie</i> , 2017 , 129, 5286-5291	3.6	2
11	The Nt17 Domain and its Helical Conformation Regulate the Aggregation, Cellular Properties and Neurotoxicity of Mutant Huntingtin Exon 1. <i>Journal of Molecular Biology</i> , 2021 , 433, 167222	6.5	2
10	Frontispiz: Mutant Exon1 Huntingtin Aggregation is Regulated by T3 Phosphorylation-Induced Structural Changes and Crosstalk between T3 Phosphorylation and Acetylation at K6. <i>Angewandte Chemie</i> , 2017 , 129,	3.6	1
9	N-terminal phosphorylation of Huntingtin: A molecular switch for regulating Htt aggregation, helical conformation, internalization and nuclear targeting		1
8	Correlative light and electron microscopy suggests that mutant huntingtin dysregulates the endolysosomal pathway in presymptomatic Huntington's disease. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 70	7.3	1
7	The structural basis of huntingtin (Htt) fibril polymorphism, revealed by cryo-EM of exon 1 Htt fibrils		1

6	Fatal attraction - The role of hypoxia when alpha-synuclein gets intimate with mitochondria. <i>Neurobiology of Aging</i> , 2021 , 107, 128-141	5.6	1
5	Education and research are essential for lasting peace in Yemen. <i>Lancet, The</i> , 2020 , 395, 1114	4.0	0
4	Non-monotonic fibril surface occlusion by GFP tags from coarse-grained molecular simulations.. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 309-321	6.8	0
3	Lewy body-associated proteins: victims, instigators, or innocent bystanders? The case of AIMP2 and alpha-synuclein. <i>Neurobiology of Disease</i> , 2021 , 156, 105417	7.5	0
2	A NAC domain mutation (E83Q) unlocks the pathogenicity of human alpha-synuclein and recapitulates its pathological diversity.. <i>Science Advances</i> , 2022 , 8, eabn0044	14.3	0
1	O2-09-04: HARMONIZATION OF IMMUNOCHEMICAL METHODS FOR MEASUREMENT OF SYNUCLEIN IN HUMAN CEREBROSPINAL FLUID: A ROUND ROBIN STUDY APPROACH 2018 , 14, P642-P642		