

Johnny Habchi

List of Publications by Citations

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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.

53
papers

2,224
citations

24
h-index

46
g-index

55
ext. papers

2,823
ext. citations

10.5
avg, IF

4.98
L-index

#	Paper	IF	Citations
53	Introducing protein intrinsic disorder. <i>Chemical Reviews</i> , 2014 , 114, 6561-88	68.1	487
52	Systematic development of small molecules to inhibit specific microscopic steps of A β 2 aggregation in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E200-E208	11.5	134
51	An anticancer drug suppresses the primary nucleation reaction that initiates the production of the toxic A β 2 aggregates linked with Alzheimer's disease. <i>Science Advances</i> , 2016 , 2, e1501244	14.3	133
50	Structural disorder in viral proteins. <i>Chemical Reviews</i> , 2014 , 114, 6880-911	68.1	133
49	Cholesterol catalyses A β 2 aggregation through a heterogeneous nucleation pathway in the presence of lipid membranes. <i>Nature Chemistry</i> , 2018 , 10, 673-683	17.6	126
48	Chemical Kinetics for Bridging Molecular Mechanisms and Macroscopic Measurements of Amyloid Fibril Formation. <i>Annual Review of Physical Chemistry</i> , 2018 , 69, 273-298	15.7	98
47	The inverted free energy landscape of an intrinsically disordered peptide by simulations and experiments. <i>Scientific Reports</i> , 2015 , 5, 15449	4.9	84
46	Trodusquemine enhances A β aggregation but suppresses its toxicity by displacing oligomers from cell membranes. <i>Nature Communications</i> , 2019 , 10, 225	17.4	69
45	Structural disorder within Henipavirus nucleoprotein and phosphoprotein: from predictions to experimental assessment. <i>PLoS ONE</i> , 2010 , 5, e11684	3.7	63
44	AFM-Based Single Molecule Techniques: Unraveling the Amyloid Pathogenic Species. <i>Current Pharmaceutical Design</i> , 2016 , 22, 3950-70	3.3	58
43	Atomic resolution description of the interaction between the nucleoprotein and phosphoprotein of Hendra virus. <i>PLoS Pathogens</i> , 2013 , 9, e1003631	7.6	56
42	Structural disorder within paramyxovirus nucleoproteins and phosphoproteins. <i>Molecular BioSystems</i> , 2012 , 8, 69-81		55
41	Characterization of the interactions between the nucleoprotein and the phosphoprotein of Henipavirus. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13583-602	5.4	51
40	Molecular basis for structural heterogeneity of an intrinsically disordered protein bound to a partner by combined ESI-IM-MS and modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 472-81	3.5	39
39	Compaction and binding properties of the intrinsically disordered C-terminal domain of Henipavirus nucleoprotein as unveiled by deletion studies. <i>Molecular BioSystems</i> , 2012 , 8, 392-410		38
38	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. <i>Journal of Neuroscience Methods</i> , 2018 , 306, 57-67	3	35
37	Stabilization and Characterization of Cytotoxic A β Oligomers Isolated from an Aggregation Reaction in the Presence of Zinc Ions. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 2959-2971	5.7	33

36	SAR by kinetics for drug discovery in protein misfolding diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10245-10250	11.5	32
35	Assessing induced folding within the intrinsically disordered C-terminal domain of the Henipavirus nucleoproteins by site-directed spin labeling EPR spectroscopy. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 453-71	3.6	30
34	Plasticity in structural and functional interactions between the phosphoprotein and nucleoprotein of measles virus. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11951-67	5.4	30
33	A Fragment-Based Method of Creating Small-Molecule Libraries to Target the Aggregation of Intrinsically Disordered Proteins. <i>ACS Combinatorial Science</i> , 2016 , 18, 144-53	3.9	29
32	Transthyretin Inhibits Primary and Secondary Nucleations of Amyloid- β Peptide Aggregation and Reduces the Toxicity of Its Oligomers. <i>Biomacromolecules</i> , 2020 , 21, 1112-1125	6.9	28
31	Monomeric and fibrillar β synuclein exert opposite effects on the catalytic cycle that promotes the proliferation of A β 2 aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8005-8010	11.5	27
30	Rational design of a conformation-specific antibody for the quantification of A β oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13509-13518	11.5	26
29	Coiled-coil deformations in crystal structures: the measles virus phosphoprotein multimerization domain as an illustrative example. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 1589-603		24
28	Trodusquemine displaces protein misfolded oligomers from cell membranes and abrogates their cytotoxicity through a generic mechanism. <i>Communications Biology</i> , 2020 , 3, 435	6.7	23
27	Dynamics of the intrinsically disordered C-terminal domain of the nipah virus nucleoprotein and interaction with the x domain of the phosphoprotein as unveiled by NMR spectroscopy. <i>ChemBioChem</i> , 2015 , 16, 268-76	3.8	22
26	Extracting structural information from charge-state distributions of intrinsically disordered proteins by non-denaturing electrospray-ionization mass spectrometry. <i>Intrinsically Disordered Proteins</i> , 2013 , 1, e25068		22
25	Structural and dynamics analysis of intrinsically disordered proteins by high-speed atomic force microscopy. <i>Nature Nanotechnology</i> , 2021 , 16, 181-189	28.7	21
24	Microfluidic deposition for resolving single-molecule protein architecture and heterogeneity. <i>Nature Communications</i> , 2018 , 9, 3890	17.4	19
23	Neuronal Cx3cr1 Deficiency Protects against Amyloid β Induced Neurotoxicity. <i>PLoS ONE</i> , 2015 , 10, e0127730	3.7	16
22	Transcription et r β lication des Mononegavirales: une machine mol β culaire originale. <i>Virologie</i> , 2012 , 16, 225-257	0.4	15
21	Structural Disorder within Paramyxoviral Nucleoproteins and Phosphoproteins in Their Free and Bound Forms: From Predictions to Experimental Assessment. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 15688-726	6.3	13
20	Interaction between the C-terminal domains of measles virus nucleoprotein and phosphoprotein: a tight complex implying one binding site. <i>Protein Science</i> , 2012 , 21, 1577-85	6.3	13
19	Chemical and mechanistic analysis of photodynamic inhibition of Alzheimer's β Amyloid aggregation. <i>Chemical Communications</i> , 2019 , 55, 1152-1155	5.8	11

18	Diversification of EPR signatures in Site Directed Spin Labeling using a γ -phosphorylated nitroxide. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4202-9	3.6	11
17	Monitoring structural transitions in IDPs by site-directed spin labeling EPR spectroscopy. <i>Methods in Molecular Biology</i> , 2012 , 895, 361-86	1.4	11
16	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid- β and β -Synuclein and Suppress the Toxicity of Their Oligomers. <i>Frontiers in Neuroscience</i> , 2021 , 15, 680026	5.1	11
15	Infrared nanospectroscopy reveals the molecular interaction fingerprint of an aggregation inhibitor with single A β 2 oligomers. <i>Nature Communications</i> , 2021 , 12, 688	17.4	11
14	Complexity in Lipid Membrane Composition Induces Resilience to A β Aggregation. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 1347-1352	5.7	10
13	Bacterial production and direct functional screening of expanded molecular libraries for discovering inhibitors of protein aggregation. <i>Science Advances</i> , 2019 , 5, eaax5108	14.3	10
12	Quantifying misfolded protein oligomers as drug targets and biomarkers in Alzheimer and Parkinson diseases. <i>Nature Reviews Chemistry</i> , 2021 , 5, 277-294	34.6	10
11	Order and Disorder in the Replicative Complex of Paramyxoviruses. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 870, 351-81	3.6	9
10	Dividing to unveil protein microheterogeneities: traveling wave ion mobility study. <i>Analytical Chemistry</i> , 2011 , 83, 7306-15	7.8	9
9	Rationally Designed Antibodies as Research Tools to Study the Structure-Toxicity Relationship of Amyloid- β Oligomers. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
8	Structure-based design of allosteric calpain-1 inhibitors populating a novel bioactivity space. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 1264-1275	6.8	6
7	A dopamine metabolite stabilizes neurotoxic amyloid- β oligomers. <i>Communications Biology</i> , 2021 , 4, 19	6.7	6
6	Interfacial Properties of N, an Intrinsically Disordered Protein. <i>Biophysical Journal</i> , 2017 , 113, 2723-2735	2.9	5
5	Structural Disorder within the Nucleoprotein and Phosphoprotein from Measles, Nipah, and Hendra Viruses 2011 , 47-94		5
4	Screening of small molecules using the inhibition of oligomer formation in β -synuclein aggregation as a selection parameter. <i>Communications Chemistry</i> , 2020 , 3,	6.3	4
3	Monitoring structural transitions in IDPs by vibrational spectroscopy of cyanylated cysteine. <i>Methods in Molecular Biology</i> , 2012 , 895, 245-70	1.4	3
2	Proliferation of Tau 304-380 Fragment Aggregates through Autocatalytic Secondary Nucleation. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 4406-4415	5.7	2
1	Two human metabolites rescue a <i>C. elegans</i> model of Alzheimer's disease via a cytosolic unfolded protein response. <i>Communications Biology</i> , 2021 , 4, 843	6.7	1

