

Lars Plate

List of Publications by Year in descending order

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41
papers

2,338
citations

331670

21
h-index

330143

37
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56
all docs

56
docs citations

56
times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptolidin family glycomacrolides target leukemia through inhibition of ATP synthase. <i>Nature Chemical Biology</i> , 2022, 18, 360-367.	8.0	20
2	Structural Comparative Modeling of Multi-Domain F508del CFTR. <i>Biomolecules</i> , 2022, 12, 471.	4.0	10
3	Mutation in protein disulfide isomerase A3 causes neurodevelopmental defects by disturbing endoplasmic reticulum proteostasis. <i>EMBO Journal</i> , 2022, 41, e105531.	7.8	11
4	Revealing functional insights into ER proteostasis through proteomics and interactomics. <i>Experimental Cell Research</i> , 2021, 399, 112417.	2.6	8
5	Thyroglobulin Interactome Profiling Defines Altered Proteostasis Topology Associated With Thyroid Dyshormonogenesis. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100008.	3.8	25
6	Comparative Host Interactomes of the SARS-CoV-2 Nonstructural Protein 3 and Human Coronavirus Homologs. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100120.	3.8	15
7	Small-molecule endoplasmic reticulum proteostasis regulator acts as a broad-spectrum inhibitor of dengue and Zika virus infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
8	Protein disulfide isomerase ERp57 protects early muscle denervation in experimental ALS. <i>Acta Neuropathologica Communications</i> , 2021, 9, 21.	5.2	10
9	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.	8.2	25
10	Glycosylation limits forward trafficking of the tetraspan membrane protein PMP22. <i>Journal of Biological Chemistry</i> , 2021, 296, 100719.	3.4	12
11	Pharmacologic IRE1/XBP1s activation confers targeted ER proteostasis reprogramming. <i>Nature Chemical Biology</i> , 2020, 16, 1052-1061.	8.0	90
12	Comparative Multiplexed Interactomics of SARS-CoV-2 and Homologous Coronavirus Nonstructural Proteins Identifies Unique and Shared Host-Cell Dependencies. <i>ACS Infectious Diseases</i> , 2020, 6, 3174-3189.	3.8	92
13	Premature Activation of Immune Transcription Programs in Autoimmune-Predisposed Mouse Embryonic Stem Cells and Blastocysts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5743.	4.1	0
14	Insulin-like growth factor 2 (IGF2) protects against Huntington's disease through the extracellular disposal of protein aggregates. <i>Acta Neuropathologica</i> , 2020, 140, 737-764.	7.7	43
15	Quantitative Interactome Proteomics Reveals a Molecular Basis for ATF6-Dependent Regulation of a Destabilized Amyloidogenic Protein. <i>Cell Chemical Biology</i> , 2019, 26, 913-925.e4.	5.2	26
16	Deconvoluting Stress-Responsive Proteostasis Signaling Pathways for Pharmacologic Activation Using Targeted RNA Sequencing. <i>ACS Chemical Biology</i> , 2019, 14, 784-795.	3.4	45
17	Pharmacologic ATF6 activation confers global protection in widespread disease models by reprogramming cellular proteostasis. <i>Nature Communications</i> , 2019, 10, 187.	12.8	140
18	Ceapins block the unfolded protein response sensor ATF6 β by inducing a neomorphic inter-organelle tether. <i>ELife</i> , 2019, 8, .	6.0	46

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19	The unfolded protein response regulator ATF6 promotes mesodermal differentiation. <i>Science Signaling</i> , 2018, 11, .	3.6	54
20	“Inverse Drug Discovery” Strategy To Identify Proteins That Are Targeted by Latent Electrophiles As Exemplified by Aryl Fluorosulfates. <i>Journal of the American Chemical Society</i> , 2018, 140, 200-210.	13.7	206
21	Pharmacologic ATF6 Activation Confers Global Protection in Widespread Disease Models by Reprogramming Cellular Proteostasis. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 97.	1.9	0
22	Pharmacologic ATF6 activating compounds are metabolically activated to selectively modify endoplasmic reticulum proteins. <i>ELife</i> , 2018, 7, .	6.0	85
23	The Unfolded Protein Response Regulator, ATF6, Promotes Mesodermal Differentiation. <i>FASEB Journal</i> , 2018, 32, 542.23.	0.5	0
24	Abstract 547: Pharmacologic ATF6 Activation Confers Global Protection in Widespread Disease Models by Reprogramming Cellular Proteostasis. <i>Circulation Research</i> , 2018, 123, .	4.5	0
25	Regulated in Development and DNA Damage Response 1 Deficiency Impairs Autophagy and Mitochondrial Biogenesis in Articular Cartilage and Increases the Severity of Experimental Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2017, 69, 1418-1428.	5.6	66
26	High-Throughput Screen Identifies Novel Small Molecule Stress Regulator That Confers Cardioprotection During Ischemia-Reperfusion Injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 154.	1.9	0
27	Peptide probes detect misfolded transthyretin oligomers in plasma of hereditary amyloidosis patients. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	44
28	Regulating Secretory Proteostasis through the Unfolded Protein Response: From Function to Therapy. <i>Trends in Cell Biology</i> , 2017, 27, 722-737.	7.9	70
29	The endoplasmic reticulum <sc>HSP</sc>40 co-chaperone <sc>ER</sc>dj3/<sc>DNAJB</sc>11 assembles and functions as a tetramer. <i>EMBO Journal</i> , 2017, 36, 2296-2309.	7.8	38
30	Small molecule proteostasis regulators that reprogram the ER to reduce extracellular protein aggregation. <i>ELife</i> , 2016, 5, .	6.0	185
31	Modulating protein quality control. <i>ELife</i> , 2016, 5, .	6.0	12
32	Arylfluorosulfates Inactivate Intracellular Lipid Binding Protein(s) through Chemoselective SuFEx Reaction with a Binding Site Tyr Residue. <i>Journal of the American Chemical Society</i> , 2016, 138, 7353-7364.	13.7	212
33	Unfolded protein response activation reduces secretion and extracellular aggregation of amyloidogenic immunoglobulin light chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13046-13051.	7.1	83
34	Toward “Omic Scale Metabolite Profiling: A Dual Separation” Mass Spectrometry Approach for Coverage of Lipid and Central Carbon Metabolism. <i>Analytical Chemistry</i> , 2013, 85, 6876-6884.	6.5	242
35	Nitric oxide-sensing H-NOX proteins govern bacterial communal behavior. <i>Trends in Biochemical Sciences</i> , 2013, 38, 566-575.	7.5	96
36	Phosphorylation-dependent derepression by the response regulator HnoC in the <i>Shewanella oneidensis</i> nitric oxide signaling network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4648-57.	7.1	24

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37	Nitric Oxide Modulates Bacterial Biofilm Formation through a Multicomponent Cyclic-di-GMP Signaling Network. <i>Molecular Cell</i> , 2012, 46, 449-460.	9.7	156
38	Determinants of Ligand Affinity and Heme Reactivity in H α -NOX Domains. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 720-723.	13.8	33
39	Use of a semisynthetic epitope to probe histidine kinase activity and regulation. <i>Analytical Biochemistry</i> , 2010, 397, 139-143.	2.4	28
40	Hyaluronan-Tethered Opioid Depots: Synthetic Strategies and Release Kinetics <i>In Vitro</i> and <i>In Vivo</i> . <i>Bioconjugate Chemistry</i> , 2008, 19, 1767-1774.	3.6	15
41	Methodology To Probe Subunit Interactions in Ribonucleotide Reductases. <i>Biochemistry</i> , 2008, 47, 13046-13055.	2.5	14