

Sina Ghaemmaghmi

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.

45
papers

8,306
citations

22
h-index

57
g-index

57
ext. papers

9,553
ext. citations

9.8
avg, IF

5.76
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 45 | Global analysis of protein expression in yeast. <i>Nature</i> , 2003 , 425, 737-41 | 50.4 | 3045 |
| 44 | Genome-wide analysis in vivo of translation with nucleotide resolution using ribosome profiling. <i>Science</i> , 2009 , 324, 218-23 | 33.3 | 2472 |
| 43 | Single-cell proteomic analysis of <i>S. cerevisiae</i> reveals the architecture of biological noise. <i>Nature</i> , 2006 , 441, 840-6 | 50.4 | 1193 |
| 42 | Analysis of proteome dynamics in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14508-13 | 11.5 | 246 |
| 41 | Quantitative protein stability measurement in vivo. <i>Nature Structural Biology</i> , 2001 , 8, 879-82 | | 138 |
| 40 | Continuous quinacrine treatment results in the formation of drug-resistant prions. <i>PLoS Pathogens</i> , 2009 , 5, e1000673 | 7.6 | 120 |
| 39 | A general mass spectrometry-based assay for the quantitation of protein-ligand binding interactions in solution. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10256-7 | 16.4 | 116 |
| 38 | Discovery of 2-aminothiazoles as potent antiprion compounds. <i>Journal of Virology</i> , 2010 , 84, 3408-12 | 6.6 | 103 |
| 37 | A data processing pipeline for mammalian proteome dynamics studies using stable isotope metabolic labeling. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M111.010728 | 7.6 | 95 |
| 36 | Cell division modulates prion accumulation in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17971-6 | 11.5 | 69 |
| 35 | Construction, verification and experimental use of two epitope-tagged collections of budding yeast strains. <i>Comparative and Functional Genomics</i> , 2005 , 6, 2-16 | | 64 |
| 34 | Compartment modeling for mammalian protein turnover studies by stable isotope metabolic labeling. <i>Analytical Chemistry</i> , 2012 , 84, 4014-21 | 7.8 | 49 |
| 33 | Folding kinetics of a fluorescent variant of monomeric lambda repressor. <i>Biochemistry</i> , 1998 , 37, 9179-85.2 | | 49 |
| 32 | Conformational transformation and selection of synthetic prion strains. <i>Journal of Molecular Biology</i> , 2011 , 413, 527-42 | 6.5 | 46 |
| 31 | Time-resolved Analysis of Proteome Dynamics by Tandem Mass Tags and Stable Isotope Labeling in Cell Culture (TMT-SILAC) Hyperplexing. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 3551-3563 | 7.6 | 45 |
| 30 | Global Analysis of Cellular Protein Flux Quantifies the Selectivity of Basal Autophagy. <i>Cell Reports</i> , 2016 , 14, 2426-39 | 10.6 | 44 |
| 29 | Global analysis of methionine oxidation provides a census of folding stabilities for the human proteome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6081-6090 | 11.5 | 38 |

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| 28 | Intracerebral Infusion of Antisense Oligonucleotides Into Prion-infected Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2012 , 1, e9 | 10.7 | 31 |
| 27 | Convergent replication of mouse synthetic prion strains. <i>American Journal of Pathology</i> , 2013 , 182, 866-748 | 7.4 | 30 |
| 26 | Cross-species Comparison of Proteome Turnover Kinetics. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 580-591 | 7.6 | 28 |
| 25 | Chemical induction of misfolded prion protein conformers in cell culture. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10415-23 | 5.4 | 22 |
| 24 | Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in embryos. <i>ELife</i> , 2018 , 7, | 8.9 | 22 |
| 23 | A survey of antiprion compounds reveals the prevalence of non-PrP molecular targets. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27718-28 | 5.4 | 21 |
| 22 | Pharmacokinetics of quinacrine efflux from mouse brain via the P-glycoprotein efflux transporter. <i>PLoS ONE</i> , 2012 , 7, e39112 | 3.7 | 20 |
| 21 | Successes and challenges in phenotype-based lead discovery for prion diseases. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 6919-29 | 8.3 | 17 |
| 20 | Proteome-wide modulation of degradation dynamics in response to growth arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10329-E10338 | 11.5 | 15 |
| 19 | Quantitative Analysis of in Vivo Methionine Oxidation of the Human Proteome. <i>Journal of Proteome Research</i> , 2020 , 19, 624-633 | 5.6 | 15 |
| 18 | JNK modifies neuronal metabolism to promote proteostasis and longevity. <i>Aging Cell</i> , 2019 , 18, e12849 | 9.9 | 14 |
| 17 | Redox-mediated regulation of an evolutionarily conserved cross- β structure formed by the TDP43 low complexity domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28727-28734 | 11.5 | 14 |
| 16 | Antiprion compounds that reduce PrP(Sc) levels in dividing and stationary-phase cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 7999-8012 | 3.4 | 14 |
| 15 | Interspecies Differences in Proteome Turnover Kinetics Are Correlated With Life Spans and Energetic Demands. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100041 | 7.6 | 14 |
| 14 | Increased Degradation Rates in the Components of the Mitochondrial Oxidative Phosphorylation Chain in the Cerebellum of Old Mice. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 32 | 5.3 | 13 |
| 13 | Potential mechanisms linking SIRT activity and hypoxic 2-hydroxyglutarate generation: no role for direct enzyme (de)acetylation. <i>Biochemical Journal</i> , 2017 , 474, 2829-2839 | 3.8 | 13 |
| 12 | Biology and Genetics of PrP Prion Strains. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017 , 7, | 5.4 | 11 |
| 11 | Global analysis of cellular protein flux quantifies the selectivity of basal autophagy. <i>Autophagy</i> , 2016 , 12, 1411-2 | 10.2 | 10 |

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| 10 | Ion-Current-Based Temporal Proteomic Profiling of Influenza-A-Virus-Infected Mouse Lungs Revealed Underlying Mechanisms of Altered Integrity of the Lung Microvascular Barrier. <i>Journal of Proteome Research</i> , 2016 , 15, 540-53 | 5.6 | 10 |
| 9 | Kinetics of precursor labeling in stable isotope labeling in cell cultures (SILAC) experiments. <i>Analytical Chemistry</i> , 2014 , 86, 11334-41 | 7.8 | 9 |
| 8 | Strain specificity and drug resistance in anti-prion therapy. <i>Current Topics in Medicinal Chemistry</i> , 2013 , 13, 2397-406 | 3 | 9 |
| 7 | Methionine oxidation within the prion protein. <i>Prion</i> , 2020 , 14, 193-205 | 2.3 | 8 |
| 6 | Comprehensive Structure-Activity Profiling of Micheliolide and its Targeted Proteome in Leukemia Cells via Probe-Guided Late-Stage C-H Functionalization. <i>ACS Central Science</i> , 2021 , 7, 841-857 | 16.8 | 5 |
| 5 | Protein folding stabilities are a major determinant of oxidation rates for buried methionine residues.. <i>Journal of Biological Chemistry</i> , 2022 , 101872 | 5.4 | 3 |
| 4 | Analysis of proteome dynamics in mice by isotopic labeling. <i>Methods in Molecular Biology</i> , 2014 , 1156, 111-31 | 1.4 | 2 |
| 3 | MicroRNA-574 regulates FAM210A expression and influences pathological cardiac remodeling. <i>EMBO Molecular Medicine</i> , 2021 , 13, e12710 | 12 | 1 |
| 2 | Interspecies differences in proteome turnover kinetics are correlated with lifespans and energetic demands | | 1 |
| 1 | Global analysis of protein degradation in prion infected cells. <i>Scientific Reports</i> , 2020 , 10, 10800 | 4.9 | 0 |