

# Sina Ghaemmaghmi

## List of Publications by Year in Descending Order

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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	Protein folding stabilities are a major determinant of oxidation rates for buried methionine residues.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101872	5.4	3
44	MicroRNA-574 regulates FAM210A expression and influences pathological cardiac remodeling. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e12710	12	1
43	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> , <b>2021</b> , 7, 841-857	16.8	5
42	Interspecies Differences in Proteome Turnover Kinetics Are Correlated With Life Spans and Energetic Demands. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 20, 100041	7.6	14
41	Redox-mediated regulation of an evolutionarily conserved cross- $\beta$ structure formed by the TDP43 low complexity domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28727-28734	11.5	14
40	Quantitative Analysis of in Vivo Methionine Oxidation of the Human Proteome. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 624-633	5.6	15
39	Global analysis of protein degradation in prion infected cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 10800	4.9	0
38	Methionine oxidation within the prion protein. <i>Prion</i> , <b>2020</b> , 14, 193-205	2.3	8
37	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> , <b>2019</b> , 116, 6081-6090	11.5	38
36	JNK modifies neuronal metabolism to promote proteostasis and longevity. <i>Aging Cell</i> , <b>2019</b> , 18, e12849	9.9	14
35	Cross-species Comparison of Proteome Turnover Kinetics. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 580-591	7.6	28
34	Increased Degradation Rates in the Components of the Mitochondrial Oxidative Phosphorylation Chain in the Cerebellum of Old Mice. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 32	5.3	13
33	Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in embryos. <i>ELife</i> , <b>2018</b> , 7,	8.9	22
32	Biology and Genetics of PrP Prion Strains. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2017</b> , 7,	5.4	11
31	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> , <b>2017</b> , 114, E10329-E10338	11.5	15
30	Potential mechanisms linking SIRT activity and hypoxic 2-hydroxyglutarate generation: no role for direct enzyme (de)acetylation. <i>Biochemical Journal</i> , <b>2017</b> , 474, 2829-2839	3.8	13
29	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> , <b>2016</b> , 15, 3551-3563	7.6	45

28	Global analysis of cellular protein flux quantifies the selectivity of basal autophagy. <i>Autophagy</i> , <b>2016</b> , 12, 1411-2	10.2	10
27	Global Analysis of Cellular Protein Flux Quantifies the Selectivity of Basal Autophagy. <i>Cell Reports</i> , <b>2016</b> , 14, 2426-39	10.6	44
26	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> , <b>2016</b> , 15, 540-53	5.6	10
25	Successes and challenges in phenotype-based lead discovery for prion diseases. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 6919-29	8.3	17
24	Kinetics of precursor labeling in stable isotope labeling in cell cultures (SILAC) experiments. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 11334-41	7.8	9
23	Analysis of proteome dynamics in mice by isotopic labeling. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1156, 111-31	1.4	2
22	Convergent replication of mouse synthetic prion strains. <i>American Journal of Pathology</i> , <b>2013</b> , 182, 866-748	7.48	30
21	Antiprion compounds that reduce PrP(Sc) levels in dividing and stationary-phase cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 7999-8012	3.4	14
20	Strain specificity and drug resistance in anti-prion therapy. <i>Current Topics in Medicinal Chemistry</i> , <b>2013</b> , 13, 2397-406	3	9
19	Compartment modeling for mammalian protein turnover studies by stable isotope metabolic labeling. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4014-21	7.8	49
18	Pharmacokinetics of quinacrine efflux from mouse brain via the P-glycoprotein efflux transporter. <i>PLoS ONE</i> , <b>2012</b> , 7, e39112	3.7	20
17	Intracerebral Infusion of Antisense Oligonucleotides Into Prion-infected Mice. <i>Molecular Therapy - Nucleic Acids</i> , <b>2012</b> , 1, e9	10.7	31
16	Conformational transformation and selection of synthetic prion strains. <i>Journal of Molecular Biology</i> , <b>2011</b> , 413, 527-42	6.5	46
15	A survey of antiprion compounds reveals the prevalence of non-PrP molecular targets. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 27718-28	5.4	21
14	A data processing pipeline for mammalian proteome dynamics studies using stable isotope metabolic labeling. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M111.010728	7.6	95
13	Chemical induction of misfolded prion protein conformers in cell culture. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 10415-23	5.4	22
12	Discovery of 2-aminothiazoles as potent antiprion compounds. <i>Journal of Virology</i> , <b>2010</b> , 84, 3408-12	6.6	103
11	Analysis of proteome dynamics in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14508-13	11.5	246

10	Continuous quinacrine treatment results in the formation of drug-resistant prions. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000673	7.6	120
9	Genome-wide analysis in vivo of translation with nucleotide resolution using ribosome profiling. <i>Science</i> , <b>2009</b> , 324, 218-23	33.3	2472
8	Cell division modulates prion accumulation in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 17971-6	11.5	69
7	Single-cell proteomic analysis of <i>S. cerevisiae</i> reveals the architecture of biological noise. <i>Nature</i> , <b>2006</b> , 441, 840-6	50.4	1193
6	Construction, verification and experimental use of two epitope-tagged collections of budding yeast strains. <i>Comparative and Functional Genomics</i> , <b>2005</b> , 6, 2-16		64
5	Global analysis of protein expression in yeast. <i>Nature</i> , <b>2003</b> , 425, 737-41	50.4	3045
4	A general mass spectrometry-based assay for the quantitation of protein-ligand binding interactions in solution. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 10256-7	16.4	116
3	Quantitative protein stability measurement in vivo. <i>Nature Structural Biology</i> , <b>2001</b> , 8, 879-82		138
2	Folding kinetics of a fluorescent variant of monomeric lambda repressor. <i>Biochemistry</i> , <b>1998</b> , 37, 9179-85.2		49
1	Interspecies differences in proteome turnover kinetics are correlated with lifespans and energetic demands		1