Todd M Greco

List of Publications by Year
in descending order

68 papers	4,404 citations	126708 33 h-index	110170 64 g-index
72 all docs	72 docs citations	72 times ranked	7308 citing authors

#	Article	IF	Citations
1	Dynamics of huntingtin protein interactions in the striatum identifies candidate modifiers of Huntington disease. Cell Systems, 2022, 13, 304-320.e5.	2.9	15
2	The interferon-inducible GTPase MxB promotes capsid disassembly and genome release of herpesviruses. ELife, 2022, 11, .	2.8	16
3	Post-translational modification control of viral DNA sensors and innate immune signaling. Advances in Virus Research, 2021, 109, 163-199.	0.9	12
4	The DNA Sensor IFIX Drives Proteome Alterations To Mobilize Nuclear and Cytoplasmic Antiviral Responses, with Its Acetylation Acting as a Localization Toggle. MSystems, 2021, 6, e0039721.	1.7	8
5	The Proteome of Preretinal Tissue in Proliferative Vitreoretinopathy. Ophthalmic Surgery Lasers and Imaging Retina, 2021, 52, S5-S12.	0.4	3
6	Color-Specific Recovery to Extreme High-Light Stress in Plants. Life, 2021, 11, 812.	1.1	3
7	Cardiac proteomics reveals sex chromosome-dependent differences between males and females that arise prior to gonad formation. Developmental Cell, 2021, 56, 3019-3034.e7.	3.1	37
8	Systematic elucidation of neuron-astrocyte interaction in models of amyotrophic lateral sclerosis using multi-modal integrated bioinformatics workflow. Nature Communications, 2020, 11, 5579.	5.8	28
9	Proteomic Technologies for Deciphering Local and Global Protein Interactions. Trends in Biochemical Sciences, 2020, 45, 454-455.	3.7	8
10	The DNA Sensor cGAS is Decorated by Acetylation and Phosphorylation Modifications in the Context of Immune Signaling. Molecular and Cellular Proteomics, 2020, 19, 1193-1208.	2.5	29
11	Contribution of Mass Spectrometry-Based Proteomics to Discoveries in Developmental Biology. Advances in Experimental Medicine and Biology, 2019, 1140, 143-154.	0.8	5
12	Protein interactions and consensus clustering analysis uncover insights into herpesvirus virion structure and function relationships. PLoS Biology, 2019, 17, e3000316.	2.6	18
13	Hdac4 Interactions in Huntington's Disease Viewed Through the Prism of Multiomics. Molecular and Cellular Proteomics, 2019, 18, S92-S113.	2.5	28
14	Bone vascular niche E-selectin induces mesenchymalâ€“epithelial transition and Wnt activation in cancer cells to promote bone metastasis. Nature Cell Biology, 2019, 21, 627-639.	4.6	160
15	Mechanical Force Induces Phosphorylation-Mediated Signaling that Underlies Tissue Response and Robustness in Xenopus Embryos. Cell Systems, 2019, 8, 226-241.e7.	2.9	18
16	YfmK is an N ^{Îµ} -lysine acetyltransferase that directly acetylates the histone-like protein HBsu in Bacillus subtilis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3752-3757.	3.3	28
17	Initiating Events in Direct Cardiomyocyte Reprogramming. Cell Reports, 2018, 22, 1913-1922.	2.9	23
18	Proteomics Tracing the Footsteps of Infectious Disease. Molecular and Cellular Proteomics, 2017, 16, S5-S14.	2.5	32

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19	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. Scientific Reports, 2017, 7, 12685.	1.6	105
20	Sirtuin Lipoamidase Activity Is Conserved in Bacteria as a Regulator of Metabolic Enzyme Complexes. MBio, 2017, 8, .	1.8	28
21	Stimulatory effects of advanced glycation endproducts (AGEs) on fibronectin matrix assembly. Matrix Biology, 2017, 59, 39-53.	1.5	27
22	Formation of a TBX20-CASZ1 protein complex is protective against dilated cardiomyopathy and critical for cardiac homeostasis. PLoS Genetics, 2017, 13, e1007011.	1.5	24
23	HVint: A Strategy for Identifying Novel Protein-Protein Interactions in Herpes Simplex Virus Type 1. Molecular and Cellular Proteomics, 2016, 15, 2939-2953.	2.5	17
24	Temporal Regulation of the Bacillus subtilis Acetylome and Evidence for a Role of MreB Acetylation in Cell Wall Growth. MSystems, 2016, 1, .	1.7	35
25	HIVâ€“host interactome revealed directly from infected cells. Nature Microbiology, 2016, 1, 16068.	5.9	49
26	Identification of Sirtuin4 (SIRT4) Protein Interactions: Uncovering Candidate Acyl-Modified Mitochondrial Substrates and Enzymatic Regulators. Methods in Molecular Biology, 2016, 1436, 213-239.	0.4	11
27	The Proteomic Profile of Deleted in Breast Cancer 1 (DBC1) Interactions Points to a Multifaceted Regulation of Gene Expression. Molecular and Cellular Proteomics, 2016, 15, 791-809.	2.5	14
28	The Biochemical Evolution of Protein Complexes. Trends in Biochemical Sciences, 2016, 41, 4-6.	3.7	8
29	The Cardiac TBX5 Interactome Reveals a Chromatin Remodeling Network Essential for Cardiac Septation. Developmental Cell, 2016, 36, 262-275.	3.1	71
30	Two Modes of the Axonal Interferon Response Limit Alphaherpesvirus Neuroinvasion. MBio, 2016, 7, e02145-15.	1.8	53
31	Determining the Composition and Stability of Protein Complexes Using an Integrated Label-Free and Stable Isotope Labeling Strategy. Methods in Molecular Biology, 2016, 1410, 39-63.	0.4	10
32	Identification of RNA Binding Proteins Associated with Dengue Virus RNA in Infected Cells Reveals Temporally Distinct Host Factor Requirements. PLoS Neglected Tropical Diseases, 2016, 10, e0004921.	1.3	56
33	The functional interactome of <scp>PYHIN</scp> immune regulators reveals <scp>IFIX</scp> is a sensor of viral <scp>DNA</scp>. Molecular Systems Biology, 2015, 11, 787.	3.2	74
34	DNA methyltransferase DNMT3A associates with viral proteins and impacts HSVâ€1 infection. Proteomics, 2015, 15, 1968-1982.	1.3	21
35	The Number of Alphaherpesvirus Particles Infecting Axons and the Axonal Protein Repertoire Determines the Outcome of Neuronal Infection. MBio, 2015, 6, .	1.8	38
36	Sirtuin 4 Is a Lipoamidase Regulating Pyruvate Dehydrogenase Complex Activity. Cell, 2014, 159, 1615-1625.	13.5	356

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37	The Impact of Mass Spectrometryâ€“Based Proteomics on Fundamental Discoveries in Virology. Annual Review of Virology, 2014, 1, 581-604.	3.0	55
38	Proteomic profiling of cardiac tissue by isolation of nuclei tagged in specific cell types (INTACT). Development (Cambridge), 2014, 141, 962-973.	1.2	45
39	Sirtuin 7 Plays a Role in Ribosome Biogenesis and Protein Synthesis. Molecular and Cellular Proteomics, 2014, 13, 73-83.	2.5	94
40	A Gro/TLE-NuRD Corepressor Complex Facilitates Tbx20-Dependent Transcriptional Repression. Journal of Proteome Research, 2013, 12, 5395-5409.	1.8	35
41	The functional interactome landscape of the human histone deacetylase family. Molecular Systems Biology, 2013, 9, 672.	3.2	247
42	A Proteomic Perspective of Inbuilt Viral Protein Regulation: pUL46 Tegument Protein is Targeted for Degradation by ICP0 during Herpes Simplex Virus Type 1 Infection. Molecular and Cellular Proteomics, 2013, 12, 3237-3252.	2.5	37
43	Thiouracil Cross-Linking Mass Spectrometry: a Cell-Based Method To Identify Host Factors Involved in Viral Amplification. Journal of Virology, 2013, 87, 8697-8712.	1.5	39
44	Glycoproteins gE and gI Are Required for Efficient KIF1A-Dependent Anterograde Axonal Transport of Alphaherpesvirus Particles in Neurons. Journal of Virology, 2013, 87, 9431-9440.	1.5	90
45	A complex of <scp>YlbF</scp>, <scp>YmcA</scp> and <scp>YaaT</scp> regulates sporulation, competence and biofilm formation by accelerating the phosphorylation of <scp>Spo0A</scp>. Molecular Microbiology, 2013, 88, 283-300.	1.2	47
46	Aurora B-dependent Regulation of Class IIa Histone Deacetylases by Mitotic Nuclear Localization Signal Phosphorylation. Molecular and Cellular Proteomics, 2012, 11, 1220-1229.	2.5	37
47	Immunoglobulins Against Tyrosine-Nitrated Epitopes in Coronary Artery Disease. Circulation, 2012, 126, 2392-2401.	1.6	45
48	Functional Proteomics Establishes the Interaction of SIRT7 with Chromatin Remodeling Complexes and Expands Its Role in Regulation of RNA Polymerase I Transcription. Molecular and Cellular Proteomics, 2012, 11, 60-76.	2.5	153
49	Kinesin-3 Mediates Axonal Sorting and Directional Transport of Alphaherpesvirus Particles in Neurons. Cell Host and Microbe, 2012, 12, 806-814.	5.1	95
50	Increased Expression of LDL Receptor-Related Protein 1 during Human Cytomegalovirus Infection Reduces Virion Cholesterol and Infectivity. Cell Host and Microbe, 2012, 12, 86-96.	5.1	70
51	Functional Proteomics Establishes the Interaction of SIRT7 with Chromatin Remodeling Complexes and Expands Its Role in Regulation of RNA Polymerase I Transcription. Molecular and Cellular Proteomics, 2012, 11, M111.015156.	2.5	32
52	Immunoisolation of Protein Complexes from Xenopus. Methods in Molecular Biology, 2012, 917, 369-390.	0.4	21
53	Complementary Proteomic Analysis of Protein Complexes. Methods in Molecular Biology, 2012, 917, 391-407.	0.4	22
54	Proteomic Identification of S-Nitrosylated Golgi Proteins: New Insights into Endothelial Cell Regulation by eNOS-Derived NO. PLoS ONE, 2012, 7, e31564.	1.1	25

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55	Systematic discovery of structural elements governing stability of mammalian messenger RNAs. Nature, 2012, 485, 264-268.	13.7	152
56	Nitric oxide counteracts the hyperoxia-induced proliferation and proinflammatory responses of mouse astrocytes. Free Radical Biology and Medicine, 2011, 51, 474-479.	1.3	6
57	Co-compartmentalization of the Astroglial Glutamate Transporter, GLT-1, with Glycolytic Enzymes and Mitochondria. Journal of Neuroscience, 2011, 31, 18275-18288.	1.7	175
58	Nuclear Import of Histone Deacetylase 5 by Requisite Nuclear Localization Signal Phosphorylation. Molecular and Cellular Proteomics, 2011, 10, S1-S15.	2.5	79
59	Proteomic Characterization of Pseudorabies Virus Extracellular Virions. Journal of Virology, 2011, 85, 6427-6441.	1.5	83
60	Integrating Lys-N proteolysis and N-terminal guanidination for improved fragmentation and relative quantification of singly-charged ions. Journal of the American Society for Mass Spectrometry, 2010, 21, 1050-1060.	1.2	13
61	Structural profiling of endogenous S-nitrosocysteine residues reveals unique features that accommodate diverse mechanisms for protein S-nitrosylation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16958-16963.	3.3	236
62	Mitochondrial respiratory chain dysfunction variably increases oxidant stress in Caenorhabditis elegans. Mitochondrion, 2010, 10, 125-136.	1.6	91
63	Quantitative Mass Spectrometry-based Proteomics Reveals the Dynamic Range of Primary Mouse Astrocyte Protein Secretion. Journal of Proteome Research, 2010, 9, 2764-2774.	1.8	100
64	Mass spectrometric and computational analysis of cytokineâ€induced alterations in the astrocyte secretome. Proteomics, 2009, 9, 768-782.	1.3	66
65	Nitric Oxide Antagonizes the Acid Tolerance Response that Protects Salmonella against Innate Gastric Defenses. PLoS ONE, 2008, 3, e1833.	1.1	33
66	DJ-1 gene deletion reveals that DJ-1 is an atypical peroxiredoxin-like peroxidase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14807-14812.	3.3	435
67	Mechanistic Investigations of the Pseudouridine Synthase RluA Using RNA Containing 5-Fluorouridineâ€. Biochemistry, 2006, 45, 12029-12038.	1.2	22
68	Identification of S-nitrosylation motifs by site-specific mapping of the S-nitrosocysteine proteome in human vascular smooth muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7420-7425.	3.3	253