

Todd M Greco

List of Publications by Year in descending order

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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	DJ-1 gene deletion reveals that DJ-1 is an atypical peroxiredoxin-like peroxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14807-14812.	3.3	435
2	Sirtuin 4 Is a Lipoamidase Regulating Pyruvate Dehydrogenase Complex Activity. <i>Cell</i> , 2014, 159, 1615-1625.	13.5	356
3	Identification of S-nitrosylation motifs by site-specific mapping of the S-nitrosocysteine proteome in human vascular smooth muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7420-7425.	3.3	253
4	The functional interactome landscape of the human histone deacetylase family. <i>Molecular Systems Biology</i> , 2013, 9, 672.	3.2	247
5	Structural profiling of endogenous S-nitrosocysteine residues reveals unique features that accommodate diverse mechanisms for protein S-nitrosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16958-16963.	3.3	236
6	Co-compartmentalization of the Astroglial Glutamate Transporter, GLT-1, with Glycolytic Enzymes and Mitochondria. <i>Journal of Neuroscience</i> , 2011, 31, 18275-18288.	1.7	175
7	Bone vascular niche E-selectin induces mesenchymal-epithelial transition and Wnt activation in cancer cells to promote bone metastasis. <i>Nature Cell Biology</i> , 2019, 21, 627-639.	4.6	160
8	Functional Proteomics Establishes the Interaction of SIRT7 with Chromatin Remodeling Complexes and Expands Its Role in Regulation of RNA Polymerase I Transcription. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 60-76.	2.5	153
9	Systematic discovery of structural elements governing stability of mammalian messenger RNAs. <i>Nature</i> , 2012, 485, 264-268.	13.7	152
10	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. <i>Scientific Reports</i> , 2017, 7, 12685.	1.6	105
11	Quantitative Mass Spectrometry-based Proteomics Reveals the Dynamic Range of Primary Mouse Astrocyte Protein Secretion. <i>Journal of Proteome Research</i> , 2010, 9, 2764-2774.	1.8	100
12	Kinesin-3 Mediates Axonal Sorting and Directional Transport of Alphaherpesvirus Particles in Neurons. <i>Cell Host and Microbe</i> , 2012, 12, 806-814.	5.1	95
13	Sirtuin 7 Plays a Role in Ribosome Biogenesis and Protein Synthesis. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 73-83.	2.5	94
14	Mitochondrial respiratory chain dysfunction variably increases oxidant stress in <i>Caenorhabditis elegans</i> . <i>Mitochondrion</i> , 2010, 10, 125-136.	1.6	91
15	Glycoproteins gE and gI Are Required for Efficient KIF1A-Dependent Anterograde Axonal Transport of Alphaherpesvirus Particles in Neurons. <i>Journal of Virology</i> , 2013, 87, 9431-9440.	1.5	90
16	Proteomic Characterization of Pseudorabies Virus Extracellular Virions. <i>Journal of Virology</i> , 2011, 85, 6427-6441.	1.5	83
17	Nuclear Import of Histone Deacetylase 5 by Requisite Nuclear Localization Signal Phosphorylation. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S15.	2.5	79
18	The functional interactome of <sc>PYHIN</sc> immune regulators reveals <sc>IFIX</sc> is a sensor of viral <sc>DNA</sc>. <i>Molecular Systems Biology</i> , 2015, 11, 787.	3.2	74

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19	The Cardiac TBX5 Interactome Reveals a Chromatin Remodeling Network Essential for Cardiac Septation. <i>Developmental Cell</i> , 2016, 36, 262-275.	3.1	71
20	Increased Expression of LDL Receptor-Related Protein 1 during Human Cytomegalovirus Infection Reduces Virion Cholesterol and Infectivity. <i>Cell Host and Microbe</i> , 2012, 12, 86-96.	5.1	70
21	Mass spectrometric and computational analysis of cytokine-induced alterations in the astrocyte secretome. <i>Proteomics</i> , 2009, 9, 768-782.	1.3	66
22	Identification of RNA Binding Proteins Associated with Dengue Virus RNA in Infected Cells Reveals Temporally Distinct Host Factor Requirements. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004921.	1.3	56
23	The Impact of Mass Spectrometry-Based Proteomics on Fundamental Discoveries in Virology. <i>Annual Review of Virology</i> , 2014, 1, 581-604.	3.0	55
24	Two Modes of the Axonal Interferon Response Limit Alpha herpesvirus Neuroinvasion. <i>MBio</i> , 2016, 7, e02145-15.	1.8	53
25	HIV host interactome revealed directly from infected cells. <i>Nature Microbiology</i> , 2016, 1, 16068.	5.9	49
26	A complex of YlbF, YmcA and YaaT regulates sporulation, competence and biofilm formation by accelerating the phosphorylation of Spo0A. <i>Molecular Microbiology</i> , 2013, 88, 283-300.	1.2	47
27	Immunoglobulins Against Tyrosine-Nitrated Epitopes in Coronary Artery Disease. <i>Circulation</i> , 2012, 126, 2392-2401.	1.6	45
28	Proteomic profiling of cardiac tissue by isolation of nuclei tagged in specific cell types (INTACT). <i>Development (Cambridge)</i> , 2014, 141, 962-973.	1.2	45
29	Thiouracil Cross-Linking Mass Spectrometry: a Cell-Based Method To Identify Host Factors Involved in Viral Amplification. <i>Journal of Virology</i> , 2013, 87, 8697-8712.	1.5	39
30	The Number of Alpha herpesvirus Particles Infecting Axons and the Axonal Protein Repertoire Determines the Outcome of Neuronal Infection. <i>MBio</i> , 2015, 6, .	1.8	38
31	Aurora B-dependent Regulation of Class IIa Histone Deacetylases by Mitotic Nuclear Localization Signal Phosphorylation. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1220-1229.	2.5	37
32	A Proteomic Perspective of Inbuilt Viral Protein Regulation: pUL46 Tegument Protein is Targeted for Degradation by ICPO during Herpes Simplex Virus Type 1 Infection. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3237-3252.	2.5	37
33	Cardiac proteomics reveals sex chromosome-dependent differences between males and females that arise prior to gonad formation. <i>Developmental Cell</i> , 2021, 56, 3019-3034.e7.	3.1	37
34	A Gro/TLE-NuRD Corepressor Complex Facilitates Tbx20-Dependent Transcriptional Repression. <i>Journal of Proteome Research</i> , 2013, 12, 5395-5409.	1.8	35
35	Temporal Regulation of the Bacillus subtilis Acetylome and Evidence for a Role of MreB Acetylation in Cell Wall Growth. <i>MSystems</i> , 2016, 1, .	1.7	35
36	Nitric Oxide Antagonizes the Acid Tolerance Response that Protects Salmonella against Innate Gastric Defenses. <i>PLoS ONE</i> , 2008, 3, e1833.	1.1	33

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37	Functional Proteomics Establishes the Interaction of SIRT7 with Chromatin Remodeling Complexes and Expands Its Role in Regulation of RNA Polymerase I Transcription. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.015156.	2.5	32
38	Proteomics Tracing the Footsteps of Infectious Disease. <i>Molecular and Cellular Proteomics</i> , 2017, 16, S5-S14.	2.5	32
39	The DNA Sensor cGAS is Decorated by Acetylation and Phosphorylation Modifications in the Context of Immune Signaling. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1193-1208.	2.5	29
40	Sirtuin Lipoamidase Activity Is Conserved in Bacteria as a Regulator of Metabolic Enzyme Complexes. <i>MBio</i> , 2017, 8, .	1.8	28
41	Hdac4 Interactions in Huntington's Disease Viewed Through the Prism of Multiomics. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S92-S113.	2.5	28
42	YfmK is an N ^ε -lysine acetyltransferase that directly acetylates the histone-like protein HBSu in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3752-3757.	3.3	28
43	Systematic elucidation of neuron-astrocyte interaction in models of amyotrophic lateral sclerosis using multi-modal integrated bioinformatics workflow. <i>Nature Communications</i> , 2020, 11, 5579.	5.8	28
44	Stimulatory effects of advanced glycation endproducts (AGEs) on fibronectin matrix assembly. <i>Matrix Biology</i> , 2017, 59, 39-53.	1.5	27
45	Proteomic Identification of S-Nitrosylated Golgi Proteins: New Insights into Endothelial Cell Regulation by eNOS-Derived NO. <i>PLoS ONE</i> , 2012, 7, e31564.	1.1	25
46	Formation of a TBX20-CASZ1 protein complex is protective against dilated cardiomyopathy and critical for cardiac homeostasis. <i>PLoS Genetics</i> , 2017, 13, e1007011.	1.5	24
47	Initiating Events in Direct Cardiomyocyte Reprogramming. <i>Cell Reports</i> , 2018, 22, 1913-1922.	2.9	23
48	Mechanistic Investigations of the Pseudouridine Synthase RluA Using RNA Containing 5-Fluorouridine. <i>Biochemistry</i> , 2006, 45, 12029-12038.	1.2	22
49	Complementary Proteomic Analysis of Protein Complexes. <i>Methods in Molecular Biology</i> , 2012, 917, 391-407.	0.4	22
50	Immunoisolation of Protein Complexes from <i>Xenopus</i> . <i>Methods in Molecular Biology</i> , 2012, 917, 369-390.	0.4	21
51	DNA methyltransferase DNMT3A associates with viral proteins and impacts HSV-1 infection. <i>Proteomics</i> , 2015, 15, 1968-1982.	1.3	21
52	Protein interactions and consensus clustering analysis uncover insights into herpesvirus virion structure and function relationships. <i>PLoS Biology</i> , 2019, 17, e3000316.	2.6	18
53	Mechanical Force Induces Phosphorylation-Mediated Signaling that Underlies Tissue Response and Robustness in <i>Xenopus</i> Embryos. <i>Cell Systems</i> , 2019, 8, 226-241.e7.	2.9	18
54	HVint: A Strategy for Identifying Novel Protein-Protein Interactions in Herpes Simplex Virus Type 1. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2939-2953.	2.5	17

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55	The interferon-inducible GTPase MxB promotes capsid disassembly and genome release of herpesviruses. <i>ELife</i> , 2022, 11, .	2.8	16
56	Dynamics of huntingtin protein interactions in the striatum identifies candidate modifiers of Huntington disease. <i>Cell Systems</i> , 2022, 13, 304-320.e5.	2.9	15
57	The Proteomic Profile of Deleted in Breast Cancer 1 (DBC1) Interactions Points to a Multifaceted Regulation of Gene Expression. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 791-809.	2.5	14
58	Integrating Lys-N proteolysis and N-terminal guanidination for improved fragmentation and relative quantification of singly-charged ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1050-1060.	1.2	13
59	Post-translational modification control of viral DNA sensors and innate immune signaling. <i>Advances in Virus Research</i> , 2021, 109, 163-199.	0.9	12
60	Identification of Sirtuin4 (SIRT4) Protein Interactions: Uncovering Candidate Acyl-Modified Mitochondrial Substrates and Enzymatic Regulators. <i>Methods in Molecular Biology</i> , 2016, 1436, 213-239.	0.4	11
61	Determining the Composition and Stability of Protein Complexes Using an Integrated Label-Free and Stable Isotope Labeling Strategy. <i>Methods in Molecular Biology</i> , 2016, 1410, 39-63.	0.4	10
62	The Biochemical Evolution of Protein Complexes. <i>Trends in Biochemical Sciences</i> , 2016, 41, 4-6.	3.7	8
63	Proteomic Technologies for Deciphering Local and Global Protein Interactions. <i>Trends in Biochemical Sciences</i> , 2020, 45, 454-455.	3.7	8
64	The DNA Sensor IFIX Drives Proteome Alterations To Mobilize Nuclear and Cytoplasmic Antiviral Responses, with Its Acetylation Acting as a Localization Toggle. <i>MSystems</i> , 2021, 6, e0039721.	1.7	8
65	Nitric oxide counteracts the hyperoxia-induced proliferation and proinflammatory responses of mouse astrocytes. <i>Free Radical Biology and Medicine</i> , 2011, 51, 474-479.	1.3	6
66	Contribution of Mass Spectrometry-Based Proteomics to Discoveries in Developmental Biology. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 143-154.	0.8	5
67	The Proteome of Preretinal Tissue in Proliferative Vitreoretinopathy. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2021, 52, S5-S12.	0.4	3
68	Color-Specific Recovery to Extreme High-Light Stress in Plants. <i>Life</i> , 2021, 11, 812.	1.1	3