

Juliane Merl-Pham

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,687
citations

201674

27
h-index

214800

47
g-index

74
all docs

74
docs citations

74
times ranked

3924
citing authors

#	ARTICLE	IF	CITATIONS
1	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. ACS Central Science, 2020, 6, 41-53.	11.3	551
2	The Proteome of Native Adult Müller Glial Cells From Murine Retina. Molecular and Cellular Proteomics, 2016, 15, 462-480.	3.8	136
3	Direct comparison of MS-based label-free and SILAC quantitative proteome profiling strategies in primary retinal Müller cells. Proteomics, 2012, 12, 1902-1911.	2.2	114
4	Crosstalk between monocyte invasion and astrocyte proliferation regulates scarring in brain injury. EMBO Reports, 2018, 19, .	4.5	98
5	Radiation alters the cargo of exosomes released from squamous head and neck cancer cells to promote migration of recipient cells. Scientific Reports, 2017, 7, 12423.	3.3	92
6	Integrative Proteomics and Targeted Transcriptomics Analyses in Cardiac Endothelial Cells Unravel Mechanisms of Long-Term Radiation-Induced Vascular Dysfunction. Journal of Proteome Research, 2015, 14, 1203-1219.	3.7	86
7	Cross-Regulation between TDP-43 and Paraspeckles Promotes Pluripotency-Differentiation Transition. Molecular Cell, 2019, 74, 951-965.e13.	9.7	85
8	The centrosome protein AKNA regulates neurogenesis via microtubule organization. Nature, 2019, 567, 113-117.	27.8	67
9	Comparative Proteomics Analysis of Arabidopsis Phloem Exudates Collected During the Induction of Systemic Acquired Resistance. Plant Physiology, 2016, 171, pp.00269.2016.	4.8	64
10	Quantitative changes in the protein and miRNA cargo of plasma exosome-like vesicles after exposure to ionizing radiation. International Journal of Radiation Biology, 2017, 93, 569-580.	1.8	63
11	Jumonji domain containing protein 6 (Jmjd6) modulates splicing and specifically interacts with arginine-serine-rich (RS) domains of SR- and SR-like proteins. Nucleic Acids Research, 2014, 42, 7833-7850.	14.5	61
12	Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. Nature Genetics, 2022, 54, 18-29.	21.4	60
13	Quantitative proteomic profiling of extracellular matrix and site-specific collagen post-translational modifications in an in vitro model of lung fibrosis. Matrix Biology Plus, 2019, 1, 100005.	3.5	55
14	Genetic Manipulation of Isoprene Emissions in Poplar Plants Remodels the Chloroplast Proteome. Journal of Proteome Research, 2014, 13, 2005-2018.	3.7	50
15	A dose-dependent perturbation in cardiac energy metabolism is linked to radiation-induced ischemic heart disease in Mayak nuclear workers. Oncotarget, 2017, 8, 9067-9078.	1.8	50
16	The hand eczema proteome: imbalance of epidermal barrier proteins. British Journal of Dermatology, 2015, 172, 994-1001.	1.5	47
17	S-Nitroso-Proteome in Poplar Leaves in Response to Acute Ozone Stress. PLoS ONE, 2014, 9, e106886.	2.5	44
18	Galectin-3 Induces Clustering of CD147 and Integrin- α 1 Transmembrane Glycoprotein Receptors on the RPE Cell Surface. PLoS ONE, 2013, 8, e70011.	2.5	43

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19	Defining lower limits of biodegradation: atrazine degradation regulated by mass transfer and maintenance demand in <i>Arthrobacter aurescens</i> TC1. ISME Journal, 2019, 13, 2236-2251.	9.8	43
20	Modulation of Protein S-Nitrosylation by Isoprene Emission in Poplar. Plant Physiology, 2016, 170, 1945-1961.	4.8	39
21	Role of TGF Beta and PPAR Alpha Signaling Pathways in Radiation Response of Locally Exposed Heart: Integrated Global Transcriptomics and Proteomics Analysis. Journal of Proteome Research, 2017, 16, 307-318.	3.7	39
22	CRISPR-Mediated Induction of Neuron-Enriched Mitochondrial Proteins Boosts Direct Glia-to-Neuron Conversion. Cell Stem Cell, 2021, 28, 524-534.e7.	11.1	39
23	Retinal proteome alterations in a mouse model of type 2 diabetes. Diabetologia, 2014, 57, 192-203.	6.3	36
24	Proteome-wide Identification of Glycosylation-dependent Interactors of Galectin-1 and Galectin-3 on Mesenchymal Retinal Pigment Epithelial (RPE) Cells. Molecular and Cellular Proteomics, 2017, 16, 1528-1546.	3.8	35
25	MS4A15 drives ferroptosis resistance through calcium-restricted lipid remodeling. Cell Death and Differentiation, 2022, 29, 670-686.	11.2	35
26	Epithelial-to-Mesenchymal Transition of RPE Cells In Vitro Confers Increased β 1,6-N-Glycosylation and Increased Susceptibility to Galectin-3 Binding. PLoS ONE, 2016, 11, e0146887.	2.5	34
27	Total Body Exposure to Low-Dose Ionizing Radiation Induces Long-Term Alterations to the Liver Proteome of Neonatally Exposed Mice. Journal of Proteome Research, 2015, 14, 366-373.	3.7	33
28	High productivity in hybrid-poplar plantations without isoprene emission to the atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1596-1605.	7.1	31
29	Hyperacetylation of Cardiac Mitochondrial Proteins Is Associated with Metabolic Impairment and Sirtuin Downregulation after Chronic Total Body Irradiation of ApoE ^{-/-} Mice. International Journal of Molecular Sciences, 2019, 20, 5239.	4.1	27
30	Long-term effects of acute low-dose ionizing radiation on the neonatal mouse heart: a proteomic study. Radiation and Environmental Biophysics, 2013, 52, 451-461.	1.4	26
31	Expression Changes and Novel Interaction Partners of Talin 1 in Effector Cells of Autoimmune Uveitis. Journal of Proteome Research, 2013, 12, 5812-5819.	3.7	26
32	Proteomic Survey Reveals Altered Energetic Patterns and Metabolic Failure Prior to Retinal Degeneration. Journal of Neuroscience, 2014, 34, 2797-2812.	3.6	25
33	Influence of white matter injury on gray matter reactive gliosis upon stab wound in the adult murine cerebral cortex. Glia, 2018, 66, 1644-1662.	4.9	24
34	Therapeutic targeting of naturally presented myeloperoxidase-derived HLA peptide ligands on myeloid leukemia cells by TCR-transgenic T cells. Leukemia, 2014, 28, 2355-2366.	7.2	21
35	Ionizing radiation induces immediate protein acetylation changes in human cardiac microvascular endothelial cells. Journal of Radiation Research, 2015, 56, 623-632.	1.6	21
36	Proteomic Profiling Suggests Central Role Of STAT Signaling during Retinal Degeneration in the <i>rd10</i> Mouse Model. Journal of Proteome Research, 2016, 15, 1350-1359.	3.7	21

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37	Root isoprene formation alters lateral root development. <i>Plant, Cell and Environment</i> , 2020, 43, 2207-2223.	5.7	21
38	Spatiotemporal patterning of EpCAM is important for murine embryonic endo- and mesodermal differentiation. <i>Scientific Reports</i> , 2018, 8, 1801.	3.3	20
39	RNAi-mediated downregulation of poplar plasma membrane intrinsic proteins (PIPs) changes plasma membrane proteome composition and affects leaf physiology. <i>Journal of Proteomics</i> , 2015, 128, 321-332.	2.4	19
40	Cigarette smoke alters the secretome of lung epithelial cells. <i>Proteomics</i> , 2017, 17, 1600243.	2.2	18
41	Radiation-Induced Endothelial Inflammation Is Transferred via the Secretome to Recipient Cells in a STAT-Mediated Process. <i>Journal of Proteome Research</i> , 2017, 16, 3903-3916.	3.7	18
42	Radiation Exposure of Peripheral Mononuclear Blood Cells Alters the Composition and Function of Secreted Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2336.	4.1	18
43	PPAR α Is Necessary for Radiation-Induced Activation of Noncanonical TGF β Signaling in the Heart. <i>Journal of Proteome Research</i> , 2018, 17, 1677-1689.	3.7	17
44	Chronic Occupational Exposure to Ionizing Radiation Induces Alterations in the Structure and Metabolism of the Heart: A Proteomic Analysis of Human Formalin-Fixed Paraffin-Embedded (FFPE) Cardiac Tissue. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6832.	4.1	17
45	Protein expression plasticity contributes to heat and drought tolerance of date palm. <i>Oecologia</i> , 2021, 197, 903-919.	2.0	17
46	Identification of Autoantigens in Body Fluids by Combining Pull-Downs and Organic Precipitations of Intact Immune Complexes with Quantitative Label-Free Mass Spectrometry. <i>Journal of Proteome Research</i> , 2013, 12, 5656-5665.	3.7	16
47	Proteome analysis of irradiated endothelial cells reveals persistent alteration in protein degradation and the RhoGDI and NO signalling pathways. <i>International Journal of Radiation Biology</i> , 2017, 93, 920-928.	1.8	16
48	Phenotypic drug screening in a human fibrosis model identified a novel class of antifibrotic therapeutics. <i>Science Advances</i> , 2021, 7, eabb3673.	10.3	15
49	Unique proteomic signature for radiation sensitive patients; a comparative study between normo-sensitive and radiation sensitive breast cancer patients. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 128-135.	1.0	14
50	Surface proteome analysis identifies platelet derived growth factor receptor-alpha as a critical mediator of transforming growth factor-beta-induced collagen secretion. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 74, 44-59.	2.8	14
51	Dissecting the molecular effects of cigarette smoke on proteasome function. <i>Journal of Proteomics</i> , 2019, 193, 1-9.	2.4	13
52	Oncogenic Linear Collagen VI of Invasive Breast Cancer Is Induced by CCL5. <i>Journal of Clinical Medicine</i> , 2020, 9, 991.	2.4	13
53	In-Utero Low-Dose Irradiation Leads to Persistent Alterations in the Mouse Heart Proteome. <i>PLoS ONE</i> , 2016, 11, e0156952.	2.5	13
54	Low-dose radiation differentially regulates protein acetylation and histone deacetylase expression in human coronary artery endothelial cells. <i>International Journal of Radiation Biology</i> , 2017, 93, 156-164.	1.8	12

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55	Oligodendrocyte myelin glycoprotein as a novel target for pathogenic autoimmunity in the CNS. <i>Acta Neuropathologica Communications</i> , 2020, 8, 207.	5.2	11
56	Catenin delta-1 (CTNND1) phosphorylation controls the mesenchymal to epithelial transition in astrocytic tumors. <i>Human Molecular Genetics</i> , 2016, 25, 4201-4210.	2.9	10
57	Activation of immune cell proteasomes in peripheral blood of smokers and COPD patients - implications for therapy. <i>European Respiratory Journal</i> , 2021, , 2101798.	6.7	9
58	Nonsense-mediated decay factor SMG7 sensitizes cells to TNF α -induced apoptosis via CYLD tumor suppressor and the noncoding oncogene <i>Pvt1</i> . <i>Molecular Oncology</i> , 2020, 14, 2420-2435.	4.6	8
59	Proteomic Profiling of Cigarette Smoke Induced Changes in Retinal Pigment Epithelium Cells. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 785-791.	1.6	7
60	Using DIR1 to investigate long-distance signal movement during Systemic Acquired Resistance. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 19-24.	1.4	6
61	Metabolic flexibility of a prospective bioremediator: <i>Desulfitobacterium hafniense</i> Y51 challenged in chemostats. <i>Environmental Microbiology</i> , 2018, 20, 2652-2669.	3.8	5
62	Activation of PPAR α by Fenofibrate Attenuates the Effect of Local Heart High Dose Irradiation on the Mouse Cardiac Proteome. <i>Biomedicines</i> , 2021, 9, 1845.	3.2	5
63	Adaptation of Carbon Source Utilization Patterns of <i>Geobacter metallireducens</i> During Sessile Growth. <i>Frontiers in Microbiology</i> , 2020, 11, 1271.	3.5	3
64	High glucose treatment promotes extracellular matrix proteome remodeling in Müller glial cells. <i>PeerJ</i> , 2021, 9, e11316.	2.0	3
65	Linking Increased Isotope Fractionation at Low Concentrations to Enzyme Activity Regulation: 4-Cl Phenol Degradation by <i>Arthrobacter chlorophenolicus</i> A6. <i>Environmental Science & Technology</i> , 2022, 56, 3021-3032.	10.0	3
66	Time-resolved phosphoproteomic analysis elucidates hepatic 11,12-Epoxyeicosatrienoic acid signaling pathways. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 146, 106387.	1.9	2
67	JMJD6 Regulates Splicing of Its Own Gene Resulting in Alternatively Spliced Isoforms with Different Nuclear Targets. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6618.	4.1	2
68	Collagen VI Regulates Motor Circuit Plasticity and Motor Performance by Cannabinoid Modulation. <i>Journal of Neuroscience</i> , 2022, 42, 1557-1573.	3.6	1
69	Abstract 5849: Exosomes promote survival and migration in squamous head and neck cancer cells after ionizing radiation: Evidence for a bystander effect. , 2017, , .		0
70	LSC - 2017 - Proteasomal Activator 200 (PA200) Regulates Cellular Proliferation: A Putative Role For IPF And Lung Cancer Pathogenesis. , 2017, , .		0