

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	MS4A15 drives ferroptosis resistance through calcium-restricted lipid remodeling. <i>Cell Death and Differentiation</i> , 2022, 29, 670-686.	11.2	35
2	Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. <i>Nature Genetics</i> , 2022, 54, 18-29.	21.4	60
3	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
4	Collagen VI Regulates Motor Circuit Plasticity and Motor Performance by Cannabinoid Modulation. <i>Journal of Neuroscience</i> , 2022, 42, 1557-1573.	3.6	1
5	CRISPR-Mediated Induction of Neuron-Enriched Mitochondrial Proteins Boosts Direct Glia-to-Neuron Conversion. <i>Cell Stem Cell</i> , 2021, 28, 524-534.e7.	11.1	39
6	Protein expression plasticity contributes to heat and drought tolerance of date palm. <i>Oecologia</i> , 2021, 197, 903-919.	2.0	17
7	High glucose treatment promotes extracellular matrix proteome remodeling in Müller glial cells. <i>PeerJ</i> , 2021, 9, e11316.	2.0	3
8	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
9	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
10	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
11	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
12	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. <i>ACS Central Science</i> , 2020, 6, 41-53.	11.3	551
13	High productivity in hybrid-poplar plantations without isoprene emission to the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1596-1605.	7.1	31
14	Oligodendrocyte myelin glycoprotein as a novel target for pathogenic autoimmunity in the CNS. <i>Acta Neuropathologica Communications</i> , 2020, 8, 207.	5.2	11
15	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
16	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
17	Root isoprene formation alters lateral root development. <i>Plant, Cell and Environment</i> , 2020, 43, 2207-2223.	5.7	21
18	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

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19	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
20	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
21	Oncogenic Linear Collagen VI of Invasive Breast Cancer Is Induced by CCL5. <i>Journal of Clinical Medicine</i> , 2020, 9, 991.	2.4	13
22	Quantitative proteomic profiling of extracellular matrix and site-specific collagen post-translational modifications in an in vitro model of lung fibrosis. <i>Matrix Biology Plus</i> , 2019, 1, 100005.	3.5	55
23	Hyperacetylation of Cardiac Mitochondrial Proteins Is Associated with Metabolic Impairment and Sirtuin Downregulation after Chronic Total Body Irradiation of ApoE ^{-/-} Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5239.	4.1	27
24	Defining lower limits of biodegradation: atrazine degradation regulated by mass transfer and maintenance demand in <i>Arthrobacter aurescens</i> TC1. <i>ISME Journal</i> , 2019, 13, 2236-2251.	9.8	43
25	Cross-Regulation between TDP-43 and Paraspeckles Promotes Pluripotency-Differentiation Transition. <i>Molecular Cell</i> , 2019, 74, 951-965.e13.	9.7	85
26	The centrosome protein AKNA regulates neurogenesis via microtubule organization. <i>Nature</i> , 2019, 567, 113-117.	27.8	67
27	Dissecting the molecular effects of cigarette smoke on proteasome function. <i>Journal of Proteomics</i> , 2019, 193, 1-9.	2.4	13
28	Influence of white matter injury on gray matter reactive gliosis upon stab wound in the adult murine cerebral cortex. <i>Glia</i> , 2018, 66, 1644-1662.	4.9	24
29	Crosstalk between monocyte invasion and astrocyte proliferation regulates scarring in brain injury. <i>EMBO Reports</i> , 2018, 19, .	4.5	98
30	Spatiotemporal patterning of EpCAM is important for murine embryonic endo- and mesodermal differentiation. <i>Scientific Reports</i> , 2018, 8, 1801.	3.3	20
31	PPAR δ 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
32	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
33	Quantitative changes in the protein and miRNA cargo of plasma exosome-like vesicles after exposure to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2017, 93, 569-580.	1.8	63
34	Cigarette smoke alters the secretome of lung epithelial cells. <i>Proteomics</i> , 2017, 17, 1600243.	2.2	18
35	Proteome-wide Identification of Glycosylation-dependent Interactors of Galectin-1 and Galectin-3 on Mesenchymal Retinal Pigment Epithelial (RPE) Cells. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1528-1546.	3.8	35
36	Radiation alters the cargo of exosomes released from squamous head and neck cancer cells to promote migration of recipient cells. <i>Scientific Reports</i> , 2017, 7, 12423.	3.3	92

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37	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
38	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
39	Role of TGF Beta and PPAR Alpha Signaling Pathways in Radiation Response of Locally Exposed Heart: Integrated Global Transcriptomics and Proteomics Analysis. <i>Journal of Proteome Research</i> , 2017, 16, 307-318.	3.7	39
40	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
41	A dose-dependent perturbation in cardiac energy metabolism is linked to radiation-induced ischemic heart disease in Mayak nuclear workers. <i>Oncotarget</i> , 2017, 8, 9067-9078.	1.8	50
42	Abstract 5849: Exosomes promote survival and migration in squamous head and neck cancer cells after ionizing radiation: Evidence for a bystander effect. , 2017, , .		0
43	LSC - 2017 - Proteasomal Activator 200 (PA200) Regulates Cellular Proliferation: A Putative Role For IPF And Lung Cancer Pathogenesis. , 2017, , .		0
44	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
45	Comparative Proteomics Analysis of Arabidopsis Phloem Exudates Collected During the Induction of Systemic Acquired Resistance. <i>Plant Physiology</i> , 2016, 171, pp.00269.2016.	4.8	64
46	Modulation of Protein S-Nitrosylation by Isoprene Emission in Poplar. <i>Plant Physiology</i> , 2016, 170, 1945-1961.	4.8	39
47	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
48	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
49	Proteomic Profiling Suggests Central Role Of STAT Signaling during Retinal Degeneration in the Mouse Model. <i>Journal of Proteome Research</i> , 2016, 15, 1350-1359.	3.7	21
50	The Proteome of Native Adult Müller Glial Cells From Murine Retina. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 462-480.	3.8	136
51	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
52	Epithelial-to-Mesenchymal Transition of RPE Cells In Vitro Confers Increased β 1,6-N-Glycosylation and Increased Susceptibility to Galectin-3 Binding. <i>PLoS ONE</i> , 2016, 11, e0146887.	2.5	34
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	Ionizing radiation induces immediate protein acetylation changes in human cardiac microvascular endothelial cells. <i>Journal of Radiation Research</i> , 2015, 56, 623-632.	1.6	21

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55	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
56	Total Body Exposure to Low-Dose Ionizing Radiation Induces Long-Term Alterations to the Liver Proteome of Neonatally Exposed Mice. <i>Journal of Proteome Research</i> , 2015, 14, 366-373.	3.7	33
57	Integrative Proteomics and Targeted Transcriptomics Analyses in Cardiac Endothelial Cells Unravel Mechanisms of Long-Term Radiation-Induced Vascular Dysfunction. <i>Journal of Proteome Research</i> , 2015, 14, 1203-1219.	3.7	86
58	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
59	The hand eczema proteome: imbalance of epidermal barrier proteins. <i>British Journal of Dermatology</i> , 2015, 172, 994-1001.	1.5	47
60	Proteomic Survey Reveals Altered Energetic Patterns and Metabolic Failure Prior to Retinal Degeneration. <i>Journal of Neuroscience</i> , 2014, 34, 2797-2812.	3.6	25
61	Therapeutic targeting of naturally presented myeloperoxidase-derived HLA peptide ligands on myeloid leukemia cells by TCR-transgenic T cells. <i>Leukemia</i> , 2014, 28, 2355-2366.	7.2	21
62	Jumonji domain containing protein 6 (Jmjd6) modulates splicing and specifically interacts with arginine-serine-rich (RS) domains of SR- and SR-like proteins. <i>Nucleic Acids Research</i> , 2014, 42, 7833-7850.	14.5	61
63	Retinal proteome alterations in a mouse model of type 2 diabetes. <i>Diabetologia</i> , 2014, 57, 192-203.	6.3	36
64	Genetic Manipulation of Isoprene Emissions in Poplar Plants Remodels the Chloroplast Proteome. <i>Journal of Proteome Research</i> , 2014, 13, 2005-2018.	3.7	50
65	S-Nitroso-Proteome in Poplar Leaves in Response to Acute Ozone Stress. <i>PLoS ONE</i> , 2014, 9, e106886.	2.5	44
66	Long-term effects of acute low-dose ionizing radiation on the neonatal mouse heart: a proteomic study. <i>Radiation and Environmental Biophysics</i> , 2013, 52, 451-461.	1.4	26
67	Expression Changes and Novel Interaction Partners of Talin 1 in Effector Cells of Autoimmune Uveitis. <i>Journal of Proteome Research</i> , 2013, 12, 5812-5819.	3.7	26
68	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
69	Galectin-3 Induces Clustering of CD147 and Integrin- α 1 Transmembrane Glycoprotein Receptors on the RPE Cell Surface. <i>PLoS ONE</i> , 2013, 8, e70011.	2.5	43
70	Direct comparison of MS-based label-free and SILAC quantitative proteome profiling strategies in primary retinal Müller cells. <i>Proteomics</i> , 2012, 12, 1902-1911.	2.2	114