

Jolene K Diedrich

List of Publications by Year in descending order

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73
papers

4,181
citations

117571

34
h-index

138417

58
g-index

97
all docs

97
docs citations

97
times ranked

7256
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercepting IRE1 kinaseâ€™FMRP signaling prevents atherosclerosis progression. <i>EMBO Molecular Medicine</i> , 2022, 14, e15344.	3.3	10
2	Cancer Conformational Landscape Shapes Tumorigenesis. <i>Journal of Proteome Research</i> , 2022, 21, 1017-1028.	1.8	7
3	A short ORF-encoded transcriptional regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
4	The SARS-CoV-2 nucleocapsid phosphoprotein forms mutually exclusive condensates with RNA and the membrane-associated M protein. <i>Nature Communications</i> , 2021, 12, 502.	5.8	307
5	Site-Specific O-Glycosylation Analysis of SARS-CoV-2 Spike Protein Produced in Insect and Human Cells. <i>Viruses</i> , 2021, 13, 551.	1.5	57
6	<i>Borrelia burgdorferi</i> infection modifies protein content in saliva of <i>Ixodes scapularis</i> nymphs. <i>BMC Genomics</i> , 2021, 22, 152.	1.2	12
7	Autism-linked Cullin3 germline haploinsufficiency impacts cytoskeletal dynamics and cortical neurogenesis through RhoA signaling. <i>Molecular Psychiatry</i> , 2021, 26, 3586-3613.	4.1	26
8	Altered network and rescue of human neurons derived from individuals with early-onset genetic epilepsy. <i>Molecular Psychiatry</i> , 2021, 26, 7047-7068.	4.1	38
9	Protein Footprinting via Covalent Protein Painting Reveals Structural Changes of the Proteome in Alzheimerâ€™s Disease. <i>Journal of Proteome Research</i> , 2021, 20, 2762-2771.	1.8	34
10	Internal Fragments Generated from Different Top-Down Mass Spectrometry Fragmentation Methods Extend Protein Sequence Coverage. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1752-1758.	1.2	22
11	The San Diego Nathan Shock Center: tackling the heterogeneity of aging. <i>GeroScience</i> , 2021, 43, 2139-2148.	2.1	2
12	Cortical organoids model early brain development disrupted by 16p11.2 copy number variants in autism. <i>Molecular Psychiatry</i> , 2021, 26, 7560-7580.	4.1	61
13	Coupling of spliceosome complexity to intron diversity. <i>Current Biology</i> , 2021, 31, 4898-4910.e4.	1.8	22
14	DeGlyPHER: An Ultrasensitive Method for the Analysis of Viral Spike <i>N</i>-Glycoforms. <i>Analytical Chemistry</i> , 2021, 93, 13651-13657.	3.2	7
15	Regulation of ex-translational activities is the primary function of the multi-tRNA synthetase complex. <i>Nucleic Acids Research</i> , 2021, 49, 3603-3616.	6.5	25
16	Interactome analysis illustrates diverse gene regulatory processes associated with LIN28A in human iPS cell-derived neural progenitor cells. <i>iScience</i> , 2021, 24, 103321.	1.9	2
17	Intracellular amyloid toxicity induces oxytosis/ferroptosis regulated cell death. <i>Cell Death and Disease</i> , 2020, 11, 828.	2.7	59
18	Structural analysis of full-length SARS-CoV-2 spike protein from an advanced vaccine candidate. <i>Science</i> , 2020, 370, 1089-1094.	6.0	290

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19	Expression of Amyloidogenic Transthyretin Drives Hepatic Proteostasis Remodeling in an Induced Pluripotent Stem Cell Model of Systemic Amyloid Disease. <i>Stem Cell Reports</i> , 2020, 15, 515-528.	2.3	12
20	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1783-1802.	1.2	67
21	Visualization of the HIV-1 Env glycan shield across scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28014-28025.	3.3	57
22	Cross-editing by a tRNA synthetase allows vertebrates to abundantly express mischargeable tRNA without causing mistranslation. <i>Nucleic Acids Research</i> , 2020, 48, 6445-6457.	6.5	10
23	Proteomics Profiling of KAIMRC1 in Comparison to MDA-MB231 and MCF-7. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4328.	1.8	12
24	ETHcD and 213 nm UVPD for Top-Down Analysis of Bovine Seminal Plasma Proteoforms on Electrophoretic and Chromatographic Time Frames. <i>Analytical Chemistry</i> , 2020, 92, 2979-2987.	3.2	26
25	Evolutionary Persistence of DNA Methylation for Millions of Years after Ancient Loss of a De Novo Methyltransferase. <i>Cell</i> , 2020, 180, 263-277.e20.	13.5	87
26	Amblyomma americanum serpin 41 (AAS41) inhibits inflammation by targeting chymase and chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1007-1021.	3.6	17
27	Human Influenza Virus Hemagglutinins Contain Conserved Oligomannose N-Linked Glycans Allowing Potent Neutralization by Lectins. <i>Cell Host and Microbe</i> , 2020, 27, 725-735.e5.	5.1	22
28	The INO80 Complex Regulates Epigenetic Inheritance of Heterochromatin. <i>Cell Reports</i> , 2020, 33, 108561.	2.9	17
29	Loss of MAGEL2 in Prader-Willi syndrome leads to decreased secretory granule and neuropeptide production. <i>JCI Insight</i> , 2020, 5, .	2.3	40
30	Time-resolved proteomic profile of Amblyomma americanum tick saliva during feeding. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007758.	1.3	40
31	Dataset supporting the proteomic differences found between excretion/secretion products from two isolates of Fasciola hepatica newly excysted juveniles (NEJ) derived from different snail hosts. <i>Data in Brief</i> , 2019, 25, 104272.	0.5	2
32	Regulation of the ER stress response by a mitochondrial microprotein. <i>Nature Communications</i> , 2019, 10, 4883.	5.8	115
33	Tandem Mass Tag Proteomic Analysis of in Vitro and in Vivo Models of Cutaneous Leishmaniasis Reveals Parasite-Specific and Nonspecific Modulation of Proteins in the Host. <i>ACS Infectious Diseases</i> , 2019, 5, 2136-2147.	1.8	8
34	A systems mechanism for KRAS mutant allele-specific responses to targeted therapy. <i>Science Signaling</i> , 2019, 12, .	1.6	42
35	A Non-Dicer RNase III and Four Other Novel Factors Required for RNAi-Mediated Transposon Suppression in the Human Pathogenic Yeast <i>Cryptococcus neoformans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2235-2244.	0.8	18
36	A proteomic comparison of excretion/secretion products in Fasciola hepatica newly excysted juveniles (NEJ) derived from Lymnaea viatrix or Pseudosuccinea columella. <i>Experimental Parasitology</i> , 2019, 201, 11-20.	0.5	10

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37	Blood anticlotting activity of a Rhipicephalus microplus cathepsin L-like enzyme. <i>Biochimie</i> , 2019, 163, 12-20.	1.3	14
38	Tick Genes' organ engagement in lipid metabolism revealed by a combined transcriptomic and proteomic approach. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 787-797.	1.1	12
39	BRCA1/BARD1-dependent ubiquitination of NF2 regulates Hippo-YAP1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7363-7370.	3.3	17
40	Identification of myosin II as a cripto binding protein and regulator of cripto function in stem cells and tissue regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 69-75.	1.0	9
41	Global site-specific analysis of glycoprotein N-glycan processing. <i>Nature Protocols</i> , 2018, 13, 1196-1212.	5.5	71
42	A proteomic insight into vitellogenesis during tick ovary maturation. <i>Scientific Reports</i> , 2018, 8, 4698.	1.6	42
43	Identification and characterization of proteins in the <i>Amblyomma americanum</i> tick cement cone. <i>International Journal for Parasitology</i> , 2018, 48, 211-224.	1.3	27
44	MIEF1 Microprotein Regulates Mitochondrial Translation. <i>Biochemistry</i> , 2018, 57, 5564-5575.	1.2	70
45	Differential processing of HIV envelope glycans on the virus and soluble recombinant trimer. <i>Nature Communications</i> , 2018, 9, 3693.	5.8	124
46	The human naive B cell repertoire contains distinct subclasses for a germline-targeting HIV-1 vaccine immunogen. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	113
47	CBD-1 organizes two independent complexes required for eggshell vitelline layer formation and egg activation in <i>C. elegans</i> . <i>Developmental Biology</i> , 2018, 442, 288-300.	0.9	11
48	SHMT2 and the BRCC36/BRISC deubiquitinase regulate HIV-1 Tat K63-ubiquitylation and destruction by autophagy. <i>PLoS Pathogens</i> , 2018, 14, e1007071.	2.1	32
49	Identification of Microprotein-Protein Interactions via APEX Tagging. <i>Biochemistry</i> , 2017, 56, 3299-3306.	1.2	44
50	Global site-specific N-glycosylation analysis of HIV envelope glycoprotein. <i>Nature Communications</i> , 2017, 8, 14954.	5.8	176
51	Proteomic Analysis of Peripheral Blood Mononuclear Cells after a High-Fat, High-Carbohydrate Meal with Orange Juice. <i>Journal of Proteome Research</i> , 2017, 16, 4086-4092.	1.8	21
52	S-Nitrosylation of PINK1 Attenuates PINK1/Parkin-Dependent Mitophagy in hiPSC-Based Parkinson's Disease Models. <i>Cell Reports</i> , 2017, 21, 2171-2182.	2.9	103
53	Double mimicry evades tRNA synthetase editing by toxic vegetable-sourced non-proteinogenic amino acid. <i>Nature Communications</i> , 2017, 8, 2281.	5.8	41
54	HtrA1 Proteolysis of ApoE In Vitro Is Allele Selective. <i>Journal of the American Chemical Society</i> , 2016, 138, 9473-9478.	6.6	37

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55	Intracellular Action of a Secreted Peptide Required for Fungal Virulence. <i>Cell Host and Microbe</i> , 2016, 19, 849-864.	5.1	93
56	Across intra-mammalian stages of the liver <i> Fasciola hepatica</i> : a proteomic study. <i>Scientific Reports</i> , 2016, 6, 32796.	1.6	57
57	Improved Identification and Analysis of Small Open Reading Frame Encoded Polypeptides. <i>Analytical Chemistry</i> , 2016, 88, 3967-3975.	3.2	119
58	Saliva from nymph and adult females of <i>Haemaphysalis longicornis</i> : a proteomic study. <i>Parasites and Vectors</i> , 2015, 8, 338.	1.0	97
59	Extracting Accurate Precursor Information for Tandem Mass Spectra by RawConverter. <i>Analytical Chemistry</i> , 2015, 87, 11361-11367.	3.2	241
60	Primate-Specific ORF0 Contributes to Retrotransposon-Mediated Diversity. <i>Cell</i> , 2015, 163, 583-593.	13.5	177
61	Mechanism-Based Post-Translational Modification and Inactivation in Terpene Synthases. <i>ACS Chemical Biology</i> , 2015, 10, 2501-2511.	1.6	21
62	Census 2: isobaric labeling data analysis. <i>Bioinformatics</i> , 2014, 30, 2208-2209.	1.8	59
63	Isolation of Chromatin from Dysfunctional Telomeres Reveals an Important Role for Ring1b in NHEJ-Mediated Chromosome Fusions. <i>Cell Reports</i> , 2014, 7, 1320-1332.	2.9	43
64	Energy Dependence of HCD on Peptide Fragmentation: Stepped Collisional Energy Finds the Sweet Spot. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1690-1699.	1.2	69
65	A two-step mechanism for TRF2-mediated chromosome-end protection. <i>Nature</i> , 2013, 494, 502-505.	13.7	198
66	Sequential primed kinases create a damage-responsive phosphodegron on Eco1. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 194-201.	3.6	70
67	Facile identification of photocleavable reactive metabolites and oxidative stress biomarkers in proteins via mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2269-2277.	1.9	10
68	Direct Elucidation of Disulfide Bond Partners Using Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 6455-6458.	3.2	91
69	Facile Identification of Phosphorylation Sites in Peptides by Radical Directed Dissociation. <i>Analytical Chemistry</i> , 2011, 83, 6818-6826.	3.2	30
70	Site-Selective Fragmentation of Peptides and Proteins at Quinone-Modified Cysteine Residues Investigated by ESI-MS. <i>Analytical Chemistry</i> , 2010, 82, 4006-4014.	3.2	55
71	Separation of miRNA and its methylation products by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2008, 1202, 220-223.	1.8	18
72	Site-Specific Radical Directed Dissociation of Peptides at Phosphorylated Residues. <i>Journal of the American Chemical Society</i> , 2008, 130, 12212-12213.	6.6	69

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73	Interactome Analysis Illustrates Diverse Gene Regulatory Processes Associated with LIN28A in Human iPS Cell-Derived Neural Progenitor Cells. SSRN Electronic Journal, 0, , .	0.4	0