Michael O Hottiger

List of Publications by Year
in descending order

177 papers	17,971 citations	14655 66 h-index	13771 129 g-index
183 all docs	183 docs citations	183 times ranked	20399 citing authors

#	Article	IF	Citations
1	Genomic Instability and Aging-like Phenotype in the Absence of Mammalian SIRT6. Cell, 2006, 124, 315-329.	28.9	1,399
2	Toward a unified nomenclature for mammalian ADP-ribosyltransferases. Trends in Biochemical Sciences, 2010, 35, 208-219.	7.5	724
3	p53 inhibition by the LANA protein of KSHV protects against cell death. Nature, 1999, 402, 889-894.	27.8	642
4	Nuclear ADP-Ribosylation Reactions in Mammalian Cells: Where Are We Today and Where Are We Going?. Microbiology and Molecular Biology Reviews, 2006, 70, 789-829.	6.6	593
5	The diverse biological roles of mammalian PARPS, a small but powerful family of poly-ADP-ribose polymerases. Frontiers in Bioscience - Landmark, 2008, 13, 3046.	3.0	502
6	Crosstalk between Wnt/Î²-Catenin and NF-ÎºB Signaling Pathway during Inflammation. Frontiers in Immunology, 2016, 7, 378.	4.8	474
7	The functional role of poly(ADP-ribose)polymerase 1 as novel coactivator of NF-ÎºB in inflammatory disorders. Cellular and Molecular Life Sciences, 2002, 59, 1534-1553.	5.4	388
8	A macrodomain-containing histone rearranges chromatin upon sensing PARP1 activation. Nature Structural and Molecular Biology, 2009, 16, 923-929.	8.2	382
9	SIRT2 regulates NF-ÎºB-dependent gene expression through deacetylation of p65 Lys310. Journal of Cell Science, 2010, 123, 4251-4258.	2.0	319
10	Proteome-wide Identification of Poly(ADP-Ribosyl)ation Targets in Different Genotoxic Stress Responses. Molecular Cell, 2013, 52, 272-285.	9.7	315
11	Poly(ADP-Ribose) Polymerase 1 Participates in the Phase Entrainment of Circadian Clocks to Feeding. Cell, 2010, 142, 943-953.	28.9	309
12	Substrate-Assisted Catalysis by PARP10 Limits Its Activity to Mono-ADP-Ribosylation. Molecular Cell, 2008, 32, 57-69.	9.7	299
13	Molecular mechanism of poly(ADP-ribosyl)ation by PARP1 and identification of lysine residues as ADP-ribose acceptor sites. Nucleic Acids Research, 2009, 37, 3723-3738.	14.5	295
14	Acetylation of Poly(ADP-ribose) Polymerase-1 by p300/CREB-binding Protein Regulates Coactivation of NF-ÎºB-dependent Transcription. Journal of Biological Chemistry, 2005, 280, 40450-40464.	3.4	279
15	Macrodomain-containing proteins are new mono-ADP-ribosylhydrolases. Nature Structural and Molecular Biology, 2013, 20, 502-507.	8.2	276
16	The Enzymatic and DNA Binding Activity of PARP-1 Are Not Required for NF-ÎºB Coactivator Function. Journal of Biological Chemistry, 2001, 276, 45588-45597.	3.4	275
17	A Role of Poly (ADP-Ribose) Polymerase in NF- B Transcriptional Activation. Biological Chemistry, 1999, 380, 953-959.	2.5	269
18	SIRT1 Promotes Cell Survival under Stress by Deacetylation-Dependent Deactivation of Poly(ADP-Ribose) Polymerase 1. Molecular and Cellular Biology, 2009, 29, 4116-4129.	2.3	269

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19	Carcinogenic bacterial pathogen <i>Helicobacter pylori</i> triggers DNA double-strand breaks and a DNA damage response in its host cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14944-14949.	7.1	262
20	PARP1 ADP-ribosylates lysine residues of the core histone tails. Nucleic Acids Research, 2010, 38, 6350-6362.	14.5	226
21	The coactivator role of histone deacetylase 3 in IL-1-signaling involves deacetylation of p65 NF-Î°B. Nucleic Acids Research, 2013, 41, 90-109.	14.5	218
22	PARP-1 and gene regulation: Progress and puzzles. Molecular Aspects of Medicine, 2013, 34, 1109-1123.	6.4	217
23	A SIRT7-Dependent Acetylation Switch of GABPÎ²1 Controls Mitochondrial Function. Cell Metabolism, 2014, 20, 856-869.	16.2	214
24	A Bacterial Effector Reveals the V-ATPase-ATG16L1 Axis that Initiates Xenophagy. Cell, 2019, 178, 552-566.e20.	28.9	212
25	Transcriptional Coactivation of Nuclear Factor-Î°B-dependent Gene Expression by p300 Is Regulated by Poly(ADP)-ribose Polymerase-1. Journal of Biological Chemistry, 2003, 278, 45145-45153.	3.4	208
26	Nuclear ADP-Ribosylation and Its Role in Chromatin Plasticity, Cell Differentiation, and Epigenetics. Annual Review of Biochemistry, 2015, 84, 227-263.	11.1	200
27	Arginine methyltransferase CARM1 is a promoter-specific regulator of NF-Î°B-dependent gene expression. EMBO Journal, 2005, 24, 85-96.	7.8	195
28	SIRT1 decreases Lox-1-mediated foam cell formation in atherogenesis. European Heart Journal, 2010, 31, 2301-2309.	2.2	189
29	Interaction of Human Immunodeficiency Virus Type 1 Tat with the Transcriptional Coactivators p300 and CREB Binding Protein. Journal of Virology, 1998, 72, 8252-8256.	3.4	189
30	Proteome-wide identification of the endogenous ADP-ribosylome of mammalian cells and tissue. Nature Communications, 2016, 7, 12917.	12.8	172
31	The NoRC complex mediates the heterochromatin formation and stability of silent rRNA genes and centromeric repeats. EMBO Journal, 2010, 29, 2135-2146.	7.8	170
32	HDAC-mediated deacetylation of NF-Î°B is critical for Schwann cell myelination. Nature Neuroscience, 2011, 14, 437-441.	14.8	165
33	Arginine Methylation Regulates DNA Polymerase Î². Molecular Cell, 2006, 22, 51-62.	9.7	161
34	Histone ADP-ribosylation in DNA repair, replication and transcription. Trends in Cell Biology, 2011, 21, 534-542.	7.9	161
35	The Peroxisome Proliferator-activated Receptor Î³ Coactivator 1Î±/Î² (PGC-1) Coactivators Repress the Transcriptional Activity of NF-Î°B in Skeletal Muscle Cells. Journal of Biological Chemistry, 2013, 288, 2246-2260.	3.4	159
36	Transcription coactivator p300 binds PCNA and may have a role in DNA repair synthesis. Nature, 2001, 410, 387-391.	27.8	156

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37	Regulation of Human Flap Endonuclease-1 Activity by Acetylation through the Transcriptional Coactivator p300. Molecular Cell, 2001, 7, 1221-1231.	9.7	155
38	SIRT1 overexpression in the rheumatoid arthritis synovium contributes to proinflammatory cytokine production and apoptosis resistance. Annals of the Rheumatic Diseases, 2011, 70, 1866-1873.	0.9	153
39	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	4.7	150
40	Localized insulin-like growth factor I delivery to enhance new bone formation. Bone, 2003, 33, 660-672.	2.9	141
41	Inheritance of Silent rDNA Chromatin Is Mediated by PARP1 via Noncoding RNA. Molecular Cell, 2012, 45, 790-800.	9.7	136
42	HIV transcriptional activation by the accessory protein, VPR, is mediated by the p300 co-activator. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5281-5286.	7.1	133
43	The post-genomic era of interactive proteomics: Facts and perspectives. Proteomics, 2002, 2, 611-623.	2.2	133
44	CIPER, a Novel NF Î°B-activating Protein Containing a Caspase Recruitment Domain with Homology to Herpesvirus-2 Protein E10. Journal of Biological Chemistry, 1999, 274, 9955-9961.	3.4	132
45	Modulation of cytokine-induced HIV gene expression by competitive binding of transcription factors to the coactivator p300. EMBO Journal, 1998, 17, 3124-3134.	7.8	131
46	Recognition by viral and cellular DNA polymerases of nucleosides bearing bases with nonstandard hydrogen bonding patterns.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6329-6333.	7.1	130
47	Inflammasome-Activated Caspase 7 Cleaves PARP1 to Enhance the Expression of a Subset of NF-Î°B Target Genes. Molecular Cell, 2012, 46, 200-211.	9.7	128
48	Regulation of Î²-catenin transformation by the p300 transcriptional coactivator. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12613-12618.	7.1	117
49	The Sirt1 activator SRT3025 provides atheroprotection in Apoeâˆ'/âˆ' mice by reducing hepatic Pcsk9 secretion and enhancing Ldlr expression. European Heart Journal, 2015, 36, 51-59.	2.2	117
50	Acetylation Regulates the DNA End-Trimming Activity of DNA Polymerase Î². Molecular Cell, 2002, 10, 1213-1222.	9.7	110
51	The human Rad9/Rad1/Hus1 damage sensor clamp interacts with DNA polymerase Â and increases its DNA substrate utilisation efficiency: implications for DNA repair. Nucleic Acids Research, 2004, 32, 3316-3324.	14.5	108
52	Enhancement of the efficiency of non-viral gene delivery by application of pulsed magnetic field. Nucleic Acids Research, 2006, 34, e40-e40.	14.5	106
53	A Direct Interaction between Proliferating Cell Nuclear Antigen (PCNA) and Cdk2 Targets PCNA-interacting Proteins for Phosphorylation. Journal of Biological Chemistry, 2000, 275, 22882-22887.	3.4	101
54	PARP-1 binds E2F-1 independently of its DNA binding and catalytic domains, and acts as a novel coactivator of E2F-1-mediated transcription during re-entry of quiescent cells into Sâ€‰phase. Oncogene, 2003, 22, 8460-8471.	5.9	98

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55	Proteomic analyses identify ARH3 as a serine mono-ADP-ribosylhydrolase. Nature Communications, 2017, 8, 2055.	12.8	98
56	Functional relevance of novel p300-mediated lysine 314 and 315 acetylation of RelA/p65. Nucleic Acids Research, 2008, 36, 1665-1680.	14.5	91
57	Characterization of PEI-coated superparamagnetic iron oxide nanoparticles for transfection: Size distribution, colloidal properties and DNA interaction. Journal of Magnetism and Magnetic Materials, 2007, 311, 300-305.	2.3	90
58	Noncleavable poly(ADP-ribose) polymerase-1 regulates the inflammation response in mice. Journal of Clinical Investigation, 2004, 114, 1072-1081.	8.2	90
59	Protein Arginine Methyltransferase 1 Coactivates NF-Î°B-Dependent Gene Expression Synergistically with CARM1 and PARP1. Journal of Molecular Biology, 2008, 377, 668-678.	4.2	87
60	Epstein-Barr Virus Nuclear Antigen 3C and Prothymosin Alpha Interact with the p300 Transcriptional Coactivator at the CH1 and CH3/HAT Domains and Cooperate in Regulation of Transcription and Histone Acetylation. Journal of Virology, 2002, 76, 4699-4708.	3.4	83
61	Hyaluronic acid fragments enhance the inflammatory and catabolic response in human intervertebral disc cells through modulation of toll-like receptor 2 signalling pathways. Arthritis Research and Therapy, 2013, 15, R94.	3.5	81
62	NF-Î°B contributes to transcription of placenta growth factor and interacts with metal responsive transcription factor-1 in hypoxic human cells. Biological Chemistry, 2005, 386, 865-872.	2.5	75
63	Comprehensive ADPâ€ribosylome analysis identifies tyrosine as an ADPâ€ribose acceptor site. EMBO Reports, 2018, 19, .	4.5	75
64	Combining Higher-Energy Collision Dissociation and Electron-Transfer/Higher-Energy Collision Dissociation Fragmentation in a Product-Dependent Manner Confidently Assigns Proteomewide ADP-Ribose Acceptor Sites. Analytical Chemistry, 2017, 89, 1523-1530.	6.5	74
65	Histone acetyl transferases: a role in DNA repair and DNA replication. Journal of Molecular Medicine, 2002, 80, 463-474.	3.9	71
66	The Two DNA Clamps Rad9/Rad1/Hus1 Complex and Proliferating Cell Nuclear Antigen Differentially Regulate Flap Endonuclease 1 Activity. Journal of Molecular Biology, 2005, 353, 980-989.	4.2	71
67	Differential Discrimination of DNA Polymerases for Variants of the Non-Standard Nucleobase Pair Between Xanthosine and 2,4-Diaminopyrimidine, Two Components of an Expanded Genetic Alphabet. Nucleic Acids Research, 1996, 24, 1308-1313.	14.5	70
68	Yeast split-ubiquitin-based cytosolic screening system to detect interactions between transcriptionally active proteins. BioTechniques, 2007, 42, 725-730.	1.8	70
69	Acetylation of p65 at lysine 314 is important for late NF-Î°B-dependent gene expression. BMC Genomics, 2010, 11, 22.	2.8	69
70	Graft-versus-host disease, but not graft-versus-leukemia immunity, is mediated by GM-CSFâ€“licensed myeloid cells. Science Translational Medicine, 2018, 10, .	12.4	68
71	Poly(ADP-ribose) polymerase 1 at the crossroad of metabolic stress and inflammation in aging. Aging, 2009, 1, 458-469.	3.1	68
72	Several posttranslational modifications act in concert to regulate gephyrin scaffolding and GABAergic transmission. Nature Communications, 2016, 7, 13365.	12.8	67

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73	Sumoylation of poly(ADPâ€ribose) polymerase 1 inhibits its acetylation and restrains transcriptional coactivator function. FASEB Journal, 2009, 23, 3978-3989.	0.5	66
74	PARP1 is required for adhesion molecule expression in atherogenesis. Cardiovascular Research, 2008, 78, 158-166.	3.8	65
75	MYBBP1a is a Novel Repressor of NF-Î°B. Journal of Molecular Biology, 2007, 366, 725-736.	4.2	64
76	Poly(ADP-Ribose) Polymerase 1 Promotes Tumor Cell Survival by Coactivating Hypoxia-Inducible Factor-1â€"Dependent Gene Expression. Molecular Cancer Research, 2008, 6, 282-290.	3.4	64
77	Poly(ADP-Ribose)Polymerase-1 (PARP1) Controls Adipogenic Gene Expression and Adipocyte Function. Molecular Endocrinology, 2012, 26, 79-86.	3.7	64
78	Methylation of DNA polymerase ÃŸ by protein arginine methyltransferase 1 regulates its binding to proliferating cell nuclear antigen. FASEB Journal, 2007, 21, 26-34.	0.5	61
79	Crosstalk between SET7/9-dependent methylation and ARTD1-mediated ADP-ribosylation of histone H1.4. Epigenetics and Chromatin, 2013, 6, 1.	3.9	60
80	Calf thymus DNA polymerase Î´: purification, biochemical and functional properties of the enzyme after its separation from DNA polymerase Î±, a DNA dependent ATPase and proliferating cell nuclear antigen. Nucleic Acids Research, 1988, 16, 6279-6295.	14.5	56
81	Identification of lysines 36 and 37 of PARP-2 as targets for acetylation and auto-ADP-ribosylation. International Journal of Biochemistry and Cell Biology, 2008, 40, 2274-2283.	2.8	56
82	Proteomic Characterization of the Heart and Skeletal Muscle Reveals Widespread Arginine ADP-Ribosylation by the ARTC1 Ectoenzyme. Cell Reports, 2018, 24, 1916-1929.e5.	6.4	55
83	HIVâ€1 reverse transcriptase and integrase enzymes physically interact and inhibit each other. FEBS Letters, 2001, 507, 39-44.	2.8	54
84	Regulation of Glucose Metabolism by NAD+ and ADP-Ribosylation. Cells, 2019, 8, 890.	4.1	53
85	Noncleavable poly(ADP-ribose) polymerase-1 regulates the inflammation response in mice. Journal of Clinical Investigation, 2004, 114, 1072-1081.	8.2	51
86	Optimization of LTQ-Orbitrap Mass Spectrometer Parameters for the Identification of ADP-Ribosylation Sites. Journal of Proteome Research, 2015, 14, 4072-4079.	3.7	50
87	SnapShot: ADP-Ribosylation Signaling. Molecular Cell, 2015, 58, 1134-1134.e1.	9.7	50
88	Engineering Af1521 improves ADP-ribose binding and identification of ADP-ribosylated proteins. Nature Communications, 2020, 11, 5199.	12.8	49
89	PARP Inhibitor with Selectivity Toward ADP-Ribosyltransferase ARTD3/PARP3. ACS Chemical Biology, 2013, 8, 1698-1703.	3.4	48
90	Regulating Immunity via ADP-Ribosylation: Therapeutic Implications and Beyond. Trends in Immunology, 2019, 40, 159-173.	6.8	47

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91	An epigenetic code for DNA damage repair pathways?. Biochemistry and Cell Biology, 2005, 83, 270-285.	2.0	46
92	Peroxynitrite Induces Gene Expression in Intervertebral Disc Cells. Spine, 2009, 34, 1127-1133.	2.0	46
93	ARTD1-induced poly-ADP-ribose formation enhances PPARÎ³ ligand binding and co-factor exchange. Nucleic Acids Research, 2015, 43, 129-142.	14.5	46
94	p300-mediated acetylation of the Rothmund-Thomson-syndrome gene product RECQL4 regulates its subcellular localization. Journal of Cell Science, 2009, 122, 1258-1267.	2.0	45
95	ADPâ€ribosylation of histones by ARTD1: An additional module of the histone code?. FEBS Letters, 2011, 585, 1595-1599.	2.8	45
96	ARTD2 activity is stimulated by RNA. Nucleic Acids Research, 2014, 42, 5072-5082.	14.5	42
97	<i>ARTD1</i> deletion causes increased hepatic lipid accumulation in mice fed a highâ€fat diet and impairs adipocyte function and differentiation. FASEB Journal, 2012, 26, 2631-2638.	0.5	41
98	Loss of Sirt1 Function Improves Intestinal Anti-Bacterial Defense and Protects from Colitis-Induced Colorectal Cancer. PLoS ONE, 2014, 9, e102495.	2.5	41
99	PKC signaling prevents irradiation-induced apoptosis of primary human fibroblasts. Cell Death and Disease, 2013, 4, e498-e498.	6.3	40
100	Viral replication and the coactivators p300 and CBP. Trends in Microbiology, 2000, 8, 560-565.	7.7	38
101	Analysis of Chromatin ADP-Ribosylation at the Genome-wide Level and at Specific Loci by ADPr-ChAP. Molecular Cell, 2016, 61, 474-485.	9.7	38
102	WNT/Î²-catenin signaling inhibits CBP-mediated RelA acetylation and expression of proinflammatory NF-Î°B target genes. Journal of Cell Science, 2015, 128, 2430-6.	2.0	36
103	New Quantitative Mass Spectrometry Approaches Reveal Different ADP-ribosylation Phases Dependent On the Levels of Oxidative Stress. Molecular and Cellular Proteomics, 2017, 16, 949-958.	3.8	36
104	SET7/9-dependent methylation of ARTD1 at K508 stimulates poly-ADP-ribose formation after oxidative stress. Open Biology, 2013, 3, 120173.	3.6	35
105	ARTD1 regulates osteoclastogenesis and bone homeostasis by dampening NF-Î°B-dependent transcription of IL-1Î². Scientific Reports, 2016, 6, 21131.	3.3	35
106	A continuous sirtuin activity assay without any coupling to enzymatic or chemical reactions. Scientific Reports, 2016, 6, 22643.	3.3	35
107	Inhibition of ADP Ribosylation Prevents and Cures <i>Helicobacter</i>-Induced Gastric Preneoplasia. Cancer Research, 2010, 70, 5912-5922.	0.9	34
108	Poly-ADP-ribosylation-mediated degradation of ARTD1 by the NLRP3 inflammasome is a prerequisite for osteoclast maturation. Cell Death and Disease, 2016, 7, e2153-e2153.	6.3	33

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109	A Type I-F Anti-CRISPR Protein Inhibits the CRISPR-Cas Surveillance Complex by ADP-Ribosylation. Molecular Cell, 2020, 80, 512-524.e5.	9.7	33
110	Mitochondrial NAD+ Controls Nuclear ARTD1-Induced ADP-Ribosylation. Molecular Cell, 2021, 81, 340-354.e5.	9.7	31
111	Absence of Poly(ADP-Ribose) Polymerase 1 Delays the Onset of <i>Salmonella enterica</i> Serovar Typhimurium-Induced Gut Inflammation. Infection and Immunity, 2010, 78, 3420-3431.	2.2	29
112	Uptake and Biocompatibility of Functionalized Poly(vinylalcohol) Coated Superparamagnetic Maghemite Nanoparticles by Synoviocytes In Vitro. Journal of Nanoscience and Nanotechnology, 2006, 6, 2829-2840.	0.9	29
113	Poly(ADP-ribosyl)ation of Methyl CpG Binding Domain Protein 2 Regulates Chromatin Structure. Journal of Biological Chemistry, 2016, 291, 4873-4881.	3.4	28
114	Kinetics of poly(ADP-ribosyl)ation, but not PARP1 itself, determines the cell fate in response to DNA damage in vitro and in vivo. Nucleic Acids Research, 2017, 45, 11174-11192.	14.5	28
115	p65 controls NF-ÎºB activity by regulating cellular localization of IÎºBÎ². Biochemical Journal, 2011, 434, 253-263.	3.7	27
116	ARTD1 Suppresses Interleukin 6 Expression by Repressing MLL1-Dependent Histone H3 Trimethylation. Molecular and Cellular Biology, 2015, 35, 3189-3199.	2.3	27
117	Genetic evidence for partial redundancy between the arginine methyltransferases CARM1 and PRMT6. Journal of Biological Chemistry, 2020, 295, 17060-17070.	3.4	27
118	Feline immunodeficiency virus reverse transcriptase: expression, functional characterization, and reconstitution of the 66- and 51-kilodalton subunits. Journal of Virology, 1995, 69, 6273-6279.	3.4	27
119	Epigenetic regulation of nitric oxide synthase 2, inducible (Nos2) by NLRC4 inflammasomes involves PARP1 cleavage. Scientific Reports, 2017, 7, 41686.	3.3	26
120	Sirt6 deletion in bone marrow-derived cells increases atherosclerosis â€" Central role of macrophage scavenger receptor 1. Journal of Molecular and Cellular Cardiology, 2020, 139, 24-32.	1.9	26
121	Artd1/Parp1 regulates reprogramming by transcriptional regulation of Fgf4 via Sox2 ADP-ribosylation. Stem Cells, 2013, 31, 2364-2373.	3.2	25
122	Discovery of Compounds Inhibiting the ADP-Ribosyltransferase Activity of Pertussis Toxin. ACS Infectious Diseases, 2020, 6, 588-602.	3.8	25
123	Identification of ADP-ribosylated peptides and ADP-ribose acceptor sites. Frontiers in Bioscience - Landmark, 2014, 19, 1041.	3.0	25
124	Neer Award 2016: reduced muscle degeneration and decreased fatty infiltration after rotator cuff tear in a poly(ADP-ribose) polymerase 1 (PARP-1) knock-out mouse model. Journal of Shoulder and Elbow Surgery, 2017, 26, 733-744.	2.6	24
125	Proteome-Wide Identification of In Vivo ADP-Ribose Acceptor Sites by Liquid Chromatographyâ€"Tandem Mass Spectrometry. Methods in Molecular Biology, 2017, 1608, 149-162.	0.9	24
126	Liposome-mediated gene transfer into human basal cell carcinoma. Gene Therapy, 1999, 6, 1929-1935.	4.5	23

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127	CARM1 but not Its Enzymatic Activity Is Required for Transcriptional Coactivation of NF-Î°B-Dependent Gene Expression. Journal of Molecular Biology, 2009, 394, 485-495.	4.2	23
128	Progress in the Function and Regulation of ADP-RibosylationA report on the 18th International Conference on ADP-Ribosylation, Zurich, Switzerland, 18 to 21 August 2010.. Science Signaling, 2011, 4, mr5.	3.6	23
129	Cell fate regulation by chromatin ADP-ribosylation. Seminars in Cell and Developmental Biology, 2017, 63, 114-122.	5.0	23
130	Gas-Phase Fragmentation of ADP-Ribosylated Peptides: Arginine-Specific Side-Chain Losses and Their Implication in Database Searches. Journal of the American Society for Mass Spectrometry, 2021, 32, 157-168.	2.8	23
131	Uncovering the Invisible: Mono-ADP-ribosylation Moved into the Spotlight. Cells, 2021, 10, 680.	4.1	23
132	Hypoxia attenuates the proinflammatory response in colon cancer cells by regulating IÎ°B. Oncotarget, 2015, 6, 20288-20301.	1.8	23
133	Application of pulsed-magnetic field enhances non-viral gene delivery in primary cells from different origins. Journal of Magnetism and Magnetic Materials, 2008, 320, 1517-1527.	2.3	22
134	A Study into the ADP-Ribosylome of IFN-Î³-Stimulated THP-1 Human Macrophage-like Cells Identifies ARTD8/PARP14 and ARTD9/PARP9 ADP-Ribosylation. Journal of Proteome Research, 2019, 18, 1607-1622.	3.7	21
135	Systemic Distribution and Elimination of Plain and with Cy3.5 Functionalized Poly(vinyl alcohol) Coated Superparamagnetic Maghemite Nanoparticles After Intraarticular Injection in Sheep In Vivo. Journal of Nanoscience and Nanotechnology, 2006, 6, 3261-3268.	0.9	20
136	Fine-Tuning of Smad Protein Function by Poly(ADP-Ribose) Polymerases and Poly(ADP-Ribose) Glycohydrolase during Transforming Growth Factor Î² Signaling. PLoS ONE, 2014, 9, e103651.	2.5	19
137	Chemoselective Dimerization of Phosphates. Organic Letters, 2016, 18, 3222-3225.	4.6	19
138	Absent in Melanoma 2 (AIM2) limits pro-inflammatory cytokine transcription in cardiomyocytes by inhibiting STAT1 phosphorylation. Molecular Immunology, 2016, 74, 47-58.	2.2	18
139	Baicalein inhibits acinarâ€toâ€ductal metaplasia of pancreatic acinal cell AR42J via improving the inflammatory microenvironment. Journal of Cellular Physiology, 2018, 233, 5747-5755.	4.1	18
140	Gene Expression in Synovial Membrane Cells After Intraarticular Delivery of Plasmid-Linked Superparamagnetic Iron Oxide Particlesâ€"A Preliminary Study in Sheep. Journal of Nanoscience and Nanotechnology, 2006, 6, 2841-2852.	0.9	18
141	Identification of Distinct Amino Acids as ADP-Ribose Acceptor Sites by Mass Spectrometry. Methods in Molecular Biology, 2011, 780, 57-66.	0.9	17
142	Poly(ADP-ribose) polymerase inhibitor therapeutic effect: are we just scratching the surface?. Expert Opinion on Therapeutic Targets, 2015, 19, 1149-1152.	3.4	16
143	ARTD1 in Myeloid Cells Controls the IL-12/18â€"IFN-Î³ Axis in a Model of Sterile Sepsis, Chronic Bacterial Infection, and Cancer. Journal of Immunology, 2019, 202, 1406-1416.	0.8	16
144	GENETIC APPROACHES TO THE IDENTIFICATION OF INTERACTIONS BETWEEN MEMBRANE PROTEINS IN YEAST. Journal of Receptor and Signal Transduction Research, 2002, 22, 471-481.	2.5	15

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145	PKCÎ± and HMGB1 antagonistically control hydrogen peroxide-induced poly-ADP-ribose formation. Nucleic Acids Research, 2016, 44, 7630-7645.	14.5	15
146	New insight into the significance of KLF4 PARylation in genome stability, carcinogenesis, and therapy. EMBO Molecular Medicine, 2020, 12, e12391.	6.9	14
147	Importin alpha binding and nuclear localization of PARP-2 is dependent on lysine 36, which is located within a predicted classical NLS. BMC Cell Biology, 2008, 9, 39.	3.0	13
148	Poly(ADP-ribose) polymerase-1 protects from oxidative stress induced endothelial dysfunction. Biochemical and Biophysical Research Communications, 2011, 414, 641-646.	2.1	12
149	Ecto-ADP-ribosyltransferase ARTC2.1 functionally modulates FcÎ³R1 and FcÎ³R2B on murine microglia. Scientific Reports, 2017, 7, 16477.	3.3	12
150	Interplay between ADP-ribosyltransferases and essential cell signaling pathways controls cellular responses. Cell Discovery, 2021, 7, 104.	6.7	12
151	PARP1 Hinders Histone H2B Occupancy at the NFATc1 Promoter to Restrain Osteoclast Differentiation. Journal of Bone and Mineral Research, 2020, 35, 776-788.	2.8	11
152	Functional Genomics in HIV-1 Virus Replication: Protein-Protein Interactions as a Basis for Recruiting the Host Cell Machinery for Viral Propagation. Biological Chemistry, 2001, 382, 993-9.	2.5	10
153	Identification of PARP-Specific ADP-Ribosylation Targets Reveals a Regulatory Function for ADP-Ribosylation in Transcription Elongation. Molecular Cell, 2016, 63, 181-183.	9.7	10
154	Identification of Novel and Cell Type Enriched Cofactors of the Transcription Activation Domain of RelA (p65 NF-Îº B). Journal of Proteome Research, 2005, 4, 1381-1390.	3.7	9
155	The adaptor protein c-Cbl-associated protein (CAP) limits pro-inflammatory cytokine expression by inhibiting the NF-Îº B pathway. International Immunopharmacology, 2020, 87, 106822.	3.8	9
156	Tumor cell endogenous HIF-1Î± activity induces aberrant angiogenesis and interacts with TRAF6 pathway required for colorectal cancer development. Neoplasia, 2020, 22, 745-758.	5.3	9
157	Tankyrase-mediated ADP-ribosylation is a regulator of TNF-induced death. Science Advances, 2022, 8, eabh2332.	10.3	9
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