

# Marie-France Langelier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2305867/publications.pdf>

Version: 2024-02-01

26  
papers

3,036  
citations

279798

23  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of the HD regulatory subdomain of PARP-1; substrate access and allostery in PARP activation and inhibition. <i>Nucleic Acids Research</i> , 2021, 49, 2266-2288.	14.5	30
2	CARM1 regulates replication fork speed and stress response by stimulating PARP1. <i>Molecular Cell</i> , 2021, 81, 784-800.e8.	9.7	61
3	HPF1 dynamically controls the PARP1/2 balance between initiating and elongating ADP-ribose modifications. <i>Nature Communications</i> , 2021, 12, 6675.	12.8	34
4	Mechanisms of Nucleosome Reorganization by PARP1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12127.	4.1	13
5	Clinical PARP inhibitors do not abrogate PARP1 exchange at DNA damage sites in vivo. <i>Nucleic Acids Research</i> , 2020, 48, 9694-9709.	14.5	51
6	Structural basis for allosteric PARP-1 retention on DNA breaks. <i>Science</i> , 2020, 368, .	12.6	191
7	Structural and functional analysis of parameters governing tankyrase-1 interaction with telomeric repeat-binding factor 1 and GDP-mannose 4,6-dehydratase. <i>Journal of Biological Chemistry</i> , 2019, 294, 14574-14590.	3.4	17
8	Poly(ADP-ribose) polymerase-1 antagonizes DNA resection at double-strand breaks. <i>Nature Communications</i> , 2019, 10, 2954.	12.8	122
9	Design and Synthesis of Poly(ADP-ribose) Polymerase Inhibitors: Impact of Adenosine Pocket-Binding Motif Appendage to the 3-Oxo-2,3-dihydrobenzofuran-7-carboxamide on Potency and Selectivity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5330-5357.	6.4	26
10	NAD <sup>+</sup> analog reveals PARP-1 substrate-blocking mechanism and allosteric communication from catalytic center to DNA-binding domains. <i>Nature Communications</i> , 2018, 9, 844.	12.8	163
11	PARP family enzymes: regulation and catalysis of the poly(ADP-ribose) posttranslational modification. <i>Current Opinion in Structural Biology</i> , 2018, 53, 187-198.	5.7	128
12	Hydrofluoric Acid-Based Derivatization Strategy To Profile PARP-1 ADP-Ribosylation by LC-MS/MS. <i>Journal of Proteome Research</i> , 2018, 17, 2542-2551.	3.7	15
13	Purification of DNA Damage-Dependent PARPs from <i>E. coli</i> for Structural and Biochemical Analysis. <i>Methods in Molecular Biology</i> , 2017, 1608, 431-444.	0.9	27
14	Unfolding of core nucleosomes by PARP-1 revealed by spFRET microscopy. <i>AIMS Genetics</i> , 2017, 04, 021-031.	1.9	30
15	Tankyrase-1 Ankyrin Repeats Form an Adaptable Binding Platform for Targets of ADP-Ribose Modification. <i>Structure</i> , 2016, 24, 1679-1692.	3.3	52
16	Tankyrase Sterile $\hat{\pm}$ Motif Domain Polymerization Is Required for Its Role in Wnt Signaling. <i>Structure</i> , 2016, 24, 1573-1581.	3.3	40
17	Structural Basis of Detection and Signaling of DNA Single-Strand Breaks by Human PARP-1. <i>Molecular Cell</i> , 2015, 60, 742-754.	9.7	245
18	PARP-1 Activation Requires Local Unfolding of an Autoinhibitory Domain. <i>Molecular Cell</i> , 2015, 60, 755-768.	9.7	244

#	ARTICLE	IF	CITATIONS
19	Quantitative site-specific ADP-ribosylation profiling of DNA-dependent PARPs. <i>DNA Repair</i> , 2015, 30, 68-79.	2.8	56
20	PARP-2 and PARP-3 are selectively activated by 5â€² phosphorylated DNA breaks through an allosteric regulatory mechanism shared with PARP-1. <i>Nucleic Acids Research</i> , 2014, 42, 7762-7775.	14.5	207
21	PARP-1 mechanism for coupling DNA damage detection to poly(ADP-ribose) synthesis. <i>Current Opinion in Structural Biology</i> , 2013, 23, 134-143.	5.7	169
22	Structural Basis for DNA Damageâ€“Dependent Poly(ADP-ribosyl)ation by Human PARP-1. <i>Science</i> , 2012, 336, 728-732.	12.6	525
23	Crystal Structures of Poly(ADP-ribose) Polymerase-1 (PARP-1) Zinc Fingers Bound to DNA. <i>Journal of Biological Chemistry</i> , 2011, 286, 10690-10701.	3.4	199
24	Purification of Human PARP-1 and PARP-1 Domains from <i>Escherichia coli</i> for Structural and Biochemical Analysis. <i>Methods in Molecular Biology</i> , 2011, 780, 209-226.	0.9	81
25	The Zn <sup>3</sup> Domain of Human Poly(ADP-ribose) Polymerase-1 (PARP-1) Functions in Both DNA-dependent Poly(ADP-ribose) Synthesis Activity and Chromatin Compaction. <i>Journal of Biological Chemistry</i> , 2010, 285, 18877-18887.	3.4	140
26	A Third Zinc-binding Domain of Human Poly(ADP-ribose) Polymerase-1 Coordinates DNA-dependent Enzyme Activation. <i>Journal of Biological Chemistry</i> , 2008, 283, 4105-4114.	3.4	166