

CITATION REPORT

List of articles citing

The PARP side of the nucleus: molecular actions, physiological outcomes, and clinical targets

DOI: 10.1016/j.molcel.2010.06.017
Molecular Cell, 2010, 39, 8-24.

Source: <https://exaly.com/paper-pdf/49475549/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
698	Deletion of the nuclear isoform of poly(ADP-ribose) glycohydrolase (PARG) reveals its function in DNA repair, genomic stability and tumorigenesis. 2010 , 31, 2058-65		61
697	PARP-1 regulates chromatin structure and transcription through a KDM5B-dependent pathway. <i>Molecular Cell</i> , 2010 , 39, 736-49	17.6	230
696	PARP around the clock. 2010 , 142, 841-3		10
695	Mass spectrometry-based functional proteomics of poly(ADP-ribose) polymerase-1. 2011 , 8, 759-74		13
694	Anti-inflammatory activities of mogrosides from <i>Momordica grosvenori</i> in murine macrophages and a murine ear edema model. 2011 , 59, 7474-81		73
693	PARP and cancer--if it's broke, don't fix it. 2011 , 364, 277-9		43
692	Signaling mechanism of poly(ADP-ribose) polymerase-1 (PARP-1) in inflammatory diseases. 2011 , 178, 946-55		141
691	PARP-1 inhibition increases mitochondrial metabolism through SIRT1 activation. 2011 , 13, 461-468		555
690	A one and a two [Expanding roles for poly(ADP-ribose) polymerases in metabolism. 2011 , 13, 353-355		16
689	Nanoparticle-mediated delivery of siRNA targeting Parp1 extends survival of mice bearing tumors derived from Brca1-deficient ovarian cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 745-50	11.5	77
688	Poly(ADP-ribose) regulates stress responses and microRNA activity in the cytoplasm. <i>Molecular Cell</i> , 2011 , 42, 489-99	17.6	309
687	Antiproliferative effect of chrysin on anaplastic thyroid cancer. 2011 , 170, 84-8		39
686	Molecular targeted approaches in mantle cell lymphoma. 2011 , 48, 214-26		17
685	Nuclear reprogramming in mouse primordial germ cells: epigenetic contribution. 2011 , 2011, 425863		25
684	Smoking related diseases: the central role of monoamine oxidase. 2011 , 8, 136-47		26
683	Targeting the Hedgehog and Notch signaling pathways. 2011 , 6, S1820-1		
682	Synthetic lethality: exploiting the addiction of cancer to DNA repair. 2011 , 117, 6074-82		144

681	Poly adenosine diphosphate-ribose polymerase inhibitors and heat shock protein 90 inhibitors. 2011 , 6, S1803-4	
680	Identification of candidate substrates for poly(ADP-ribose) polymerase-2 (PARP2) in the absence of DNA damage using high-density protein microarrays. 2011 , 278, 3676-87	26
679	The role of poly adenosine diphosphate ribose polymerase inhibitors in breast and ovarian cancer: current status and future directions. 2011 , 7, 197-211	11
678	Nuclear initiated NF- κ B signaling: NEMO and ATM take center stage. 2011 , 21, 116-30	177
677	Histone ADP-ribosylation in DNA repair, replication and transcription. 2011 , 21, 534-42	138
676	A phenanthrene derived PARP inhibitor is an extra-centrosomes de-clustering agent exclusively eradicating human cancer cells. 2011 , 11, 412	41
675	PARP-1 enhances the mismatch-dependence of 5N-directed excision in human mismatch repair in vitro. 2011 , 10, 1145-53	38
674	Compartmentation of NAD ⁺ -dependent signalling. 2011 , 585, 1651-6	97
673	Importance of PIKKs in NF- κ B activation by genotoxic stress. 2011 , 82, 1371-83	31
672	PARP inhibitors in cancer therapy: promise, progress, and puzzles. 2011 , 19, 165-7	47
671	Damage site chromatin: open or closed?. 2011 , 23, 277-83	28
670	More than just a focus: The chromatin response to DNA damage and its role in genome integrity maintenance. 2011 , 13, 1161-9	485
669	DNA repair: from genome maintenance to biomarker and therapeutic target. 2011 , 17, 6973-84	86
668	Novel poly (ADP-ribose) polymerase 1 binding motif in hepatitis B virus core promoter impairs DNA damage repair. 2011 , 54, 1190-8	25
667	Poly(ADP-ribose) polymerase inhibitors in breast cancer and other tumors: advances and challenges. 2011 , 1, 1545-1554	3
666	[Molecular determinants of response to topoisomerase I inhibitors]. 2011 , 98, 1287-98	3
665	Thrombomodulin is silenced in malignant mesothelioma by a poly(ADP-ribose) polymerase-1-mediated epigenetic mechanism. 2011 , 286, 19478-88	20
664	Polycomb group proteins in the DNA damage response: a link between radiation resistance and "stemness". 2011 , 10, 883-94	66

663	Four enzymes cooperate to displace histone H1 during the first minute of hormonal gene activation. 2011 , 25, 845-62		88
662	Poly(ADP-ribose) polymerase-1 is a nuclear epigenetic regulator of mitochondrial DNA repair and transcription. 2011 , 79, 932-40		54
661	Crystal structures of poly(ADP-ribose) polymerase-1 (PARP-1) zinc fingers bound to DNA: structural and functional insights into DNA-dependent PARP-1 activity. 2011 , 286, 10690-701		141
660	Glycolytic rate and lymphomagenesis depend on PARP14, an ADP ribosyltransferase of the B aggressive lymphoma (BAL) family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15972-7	11.5	78
659	Targeting the phosphatidylinositol 3-kinase, Akt, and mammalian target of rapamycin pathway in non-small cell lung cancer. 2011 , 6, S1805-7		3
658	Poly(ADP-ribose) polymerases PARP1 and PARP2 modulate topoisomerase II beta (TOP2B) function during chromatin condensation in mouse spermiogenesis. 2011 , 84, 900-9		54
657	[Alkylating agents]. 2011 , 98, 1237-51		3
656	Iduna is a poly(ADP-ribose) (PAR)-dependent E3 ubiquitin ligase that regulates DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14103-8	11.5	162
655	Dynamics of DNA damage response proteins at DNA breaks: a focus on protein modifications. 2011 , 25, 409-33		797
654	Regulating DNA supercoiling: sperm points the way. 2011 , 84, 841-3		18
653	Stress-induced PARP activation mediates recruitment of Drosophila Mi-2 to promote heat shock gene expression. 2011 , 7, e1002206		52
652	NAD ⁺ as a signaling molecule modulating metabolism. 2011 , 76, 291-8		68
651	Increased activity of cell surface peptidases in HeLa cells undergoing UV-induced apoptosis is not mediated by caspase 3. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 2650-75	6.3	4
650	PARP activation regulates the RNA-binding protein NONO in the DNA damage response to DNA double-strand breaks. 2012 , 40, 10287-301		104
649	ARTD1 deletion causes increased hepatic lipid accumulation in mice fed a high-fat diet and impairs adipocyte function and differentiation. 2012 , 26, 2631-8		38
648	SRY (sex determining region Y)-box2 (Sox2)/poly ADP-ribose polymerase 1 (Parp1) complexes regulate pluripotency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3772-7	11.5	40
647	Unbiased proteomic analysis of proteins interacting with the HIV-1 5'LTR sequence: role of the transcription factor Meis. 2012 , 40, e168		14
646	Poly(ADP-ribose)polymerase-1 (PARP1) controls adipogenic gene expression and adipocyte function. 2012 , 26, 79-86		57

645	Poly(ADP-ribose) regulates post-transcriptional gene regulation in the cytoplasm. 2012 , 9, 542-8		49
644	Noncoding RNAs link PARP1 to heterochromatin. 2012 , 11, 2217-8		7
643	Oxidized base damage and single-strand break repair in mammalian genomes: role of disordered regions and posttranslational modifications in early enzymes. 2012 , 110, 123-53		55
642	Caspase-7 uses an exosite to promote poly(ADP ribose) polymerase 1 proteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5669-74	11.5	77
641	Regulation of poly(ADP-ribose) polymerase-1-dependent gene expression through promoter-directed recruitment of a nuclear NAD ⁺ synthase. 2012 , 287, 12405-16		76
640	Alternative modes of binding of poly(ADP-ribose) polymerase 1 to free DNA and nucleosomes. 2012 , 287, 32430-9		61
639	DNA transcription and repair: a confluence. 2012 , 287, 23266-70		9
638	Targeting abnormal DNA repair in therapy-resistant breast cancers. 2012 , 10, 96-107		62
637	The guanine-quadruplex structure in the human c-myc gene promoter is converted into B-DNA form by the human poly(ADP-ribose)polymerase-1. 2012 , 7, e42690		26
636	Herpes simplex virus 1 infection activates poly(ADP-ribose) polymerase and triggers the degradation of poly(ADP-ribose) glycohydrolase. 2012 , 86, 8259-68		47
635	Functional Aspects of PARP1 in DNA Repair and Transcription. 2012 , 2, 524-48		99
634	Differential effects of poly(ADP-ribose) polymerase inhibition on DNA break repair in human cells are revealed with Epstein-Barr virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6590-5	11.5	34
633	HMGN1 protein regulates poly(ADP-ribose) polymerase-1 (PARP-1) self-PARylation in mouse fibroblasts. 2012 , 287, 27648-58		32
632	YY1-binding sites provide central switch functions in the PARP-1 gene expression network. 2012 , 7, e44125		12
631	ADP-ribose polymers localized on Ctfp-Parp1-Dnmt1 complex prevent methylation of Ctfc target sites. 2012 , 441, 645-52		89
630	Towards a structural understanding of PARP1 activation and related signalling ADP-ribosyl-transferases. 2012 , 22, 721-9		26
629	PARPs and the DNA damage response. 2012 , 33, 1433-40		95
628	Formation of nuclear heterochromatin: the nucleolar point of view. 2012 , 7, 811-4		63

627	Higher cytoplasmic and nuclear poly(ADP-ribose) polymerase expression in familial than in sporadic breast cancer. 2012 , 461, 425-31		4
626	Trapping of PARP1 and PARP2 by Clinical PARP Inhibitors. <i>Cancer Research</i> , 2012 , 72, 5588-99	10.1	1186
625	Structural basis for DNA damage-dependent poly(ADP-ribosyl)ation by human PARP-1. 2012 , 336, 728-32		380
624	Dual roles of PARP-1 promote cancer growth and progression. 2012 , 2, 1134-49		260
623	A snapshot of chemoresistance to PARP inhibitors. 2012 , 33, 42-8		32
622	Inflammasome-activated caspase 7 cleaves PARP1 to enhance the expression of a subset of NF- κ B target genes. <i>Molecular Cell</i> , 2012 , 46, 200-11	17.6	99
621	New insights into the molecular and cellular functions of poly(ADP-ribose) and PARPs. 2012 , 13, 411-24		811
620	BCL2 suppresses PARP1 function and nonapoptotic cell death. <i>Cancer Research</i> , 2012 , 72, 4193-203	10.1	37
619	Enhanced killing of cancer cells by poly(ADP-ribose) polymerase inhibitors and topoisomerase I inhibitors reflects poisoning of both enzymes. 2012 , 287, 4198-210		74
618	The NAD metabolome--a key determinant of cancer cell biology. 2012 , 12, 741-52		388
617	Driving the cell cycle through metabolism. 2012 , 28, 59-87		94
616	PARP1 promotes nucleotide excision repair through DDB2 stabilization and recruitment of ALC1. 2012 , 199, 235-49		164
615	Activator-induced spread of poly(ADP-ribose) polymerase promotes nucleosome loss at Hsp70. <i>Molecular Cell</i> , 2012 , 45, 64-74	17.6	87
614	Inheritance of silent rDNA chromatin is mediated by PARP1 via noncoding RNA. <i>Molecular Cell</i> , 2012 , 45, 790-800	17.6	112
613	Targeting poly(ADP-ribose) polymerase-1 as a promising approach for immunomodulation in multiple sclerosis?. 2012 , 18, 92-100		20
612	Metabolic checkpoints in activated T cells. 2012 , 13, 907-15		329
611	Early-stage epigenetic modification during somatic cell reprogramming by Parp1 and Tet2. 2012 , 488, 652-5		298
610	Splicing switch of an epigenetic regulator by RNA helicases promotes tumor-cell invasiveness. 2012 , 19, 1139-46		92

609	The role of PARP-1 and PARP-2 enzymes in metabolic regulation and disease. 2012 , 16, 290-5		193
608	New readers and interpretations of poly(ADP-ribosyl)ation. 2012 , 37, 381-90		62
607	Poly(ADP-ribosyl)ation of p53 induces gene-specific transcriptional repression of MTA1. 2012 , 31, 5099-107		36
606	Poly (ADP-ribose) glycohydrolase regulates retinoic acid receptor-mediated gene expression. <i>Molecular Cell</i> , 2012 , 48, 785-98	17.6	42
605	Recognition of the iso-ADP-ribose moiety in poly(ADP-ribose) by WWE domains suggests a general mechanism for poly(ADP-ribosyl)ation-dependent ubiquitination. 2012 , 26, 235-40		153
604	Poly(ADP-ribosyl)ation acts in the DNA demethylation of mouse primordial germ cells also with DNA damage-independent roles. 2012 , 7, e46927		53
603	Hyperactivation of PARP triggers nonhomologous end-joining in repair-deficient mouse fibroblasts. 2012 , 7, e49301		23
602	Alpha-tocopheryl succinate inhibits autophagic survival of prostate cancer cells induced by vitamin K3 and ascorbate to trigger cell death. 2012 , 7, e52263		27
601	Post-Translational Modifications of Kaposi's Sarcoma-Associated Herpesvirus Regulatory Proteins - SUMO and KSHV. <i>Frontiers in Microbiology</i> , 2012 , 3, 31	5.7	30
600	p53 and the PWWP domain containing effector proteins in chromatin damage repair. 2013 , 2, 112		2
599	Suppressive regulation of KSHV RTA with O-GlcNAcylation. 2012 , 19, 12		14
598	On PAR with PARP: cellular stress signaling through poly(ADP-ribose) and PARP-1. 2012 , 26, 417-32		490
597	Molecular mechanisms and potential functions of histone demethylases. 2012 , 13, 297-311		594
596	Sirtuins mediate mammalian metabolic responses to nutrient availability. 2012 , 8, 287-96		252
595	PARP-1 deletion promotes subventricular zone neural stem cells toward a glial fate. 2012 , 90, 1489-506		16
594	Targeting sirtuin 1 to improve metabolism: all you need is NAD(+)? 2012 , 64, 166-87		282
593	Sirtuins as regulators of metabolism and healthspan. 2012 , 13, 225-238		1302
592	Poly(ADP-ribose) polymerase-1 in amyloid beta toxicity and Alzheimer's disease. 2012 , 46, 78-84		77

591	ROS-induced DNA damage and PARP-1 are required for optimal induction of starvation-induced autophagy. 2012 , 22, 1181-98	171
590	Mice heterozygous for CREB binding protein are hypersensitive to radiation and invariably develop myelodysplastic/myeloproliferative neoplasm. 2012 , 40, 295-306.e5	25
589	RECQ1 plays a distinct role in cellular response to oxidative DNA damage. 2012 , 11, 537-49	43
588	The diverse roles and clinical relevance of PARPs in DNA damage repair: current state of the art. 2012 , 84, 137-46	364
587	Overcoming the nucleosome barrier during transcript elongation. 2012 , 28, 285-94	112
586	Autophagy is a survival force via suppression of necrotic cell death. 2012 , 318, 1304-8	65
585	A metabolic-transcriptional network links sleep and cellular energetics in the brain. 2012 , 463, 15-22	10
584	Lifelong endurance training attenuates age-related genotoxic stress in human skeletal muscle. 2013 , 2, 11	24
583	PARP-1 inhibitors DPQ and PJ-34 negatively modulate proinflammatory commitment of human glioblastoma cells. 2013 , 38, 50-8	15
582	Advances in DNA Repair in Cancer Therapy. 2013 ,	
581	Site-specific characterization of the Asp- and Glu-ADP-ribosylated proteome. 2013 , 10, 981-4	222
580	Sirtuins. 2013 ,	1
579	FOXO1 (Forkhead box O1) in tumorigenesis: overexpression in human cancer, implication in tumorigenesis, oncogenic functions, tumor-suppressive properties, and target of anticancer therapy. 2013 , 119, 191-419	115
578	Developmental exposure of fetal ovaries and fetal germ cells to endometriosis in an endometriosis model causes differential gene expression in the preimplantation embryos of the first-generation and second-generation embryos. 2013 , 100, 1436-43	8
577	Modulation of farnesoid X receptor results in post-translational modification of poly (ADP-ribose) polymerase 1 in the liver. <i>Toxicology and Applied Pharmacology</i> , 2013 , 266, 260-6	4.6 4
576	Inhibition of Poly(ADP-Ribose) Polymerase Enhances Radiochemosensitivity in Cancers Proficient in DNA Double-Strand Break Repair. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3773-85	6.3 18
575	Roles of poly(ADP-ribose) glycohydrolase in DNA damage and apoptosis. 2013 , 304, 227-81	42
574	Reprogramming cellular events by poly(ADP-ribose)-binding proteins. 2013 , 34, 1066-87	115

573	SIRT1/PARP1 crosstalk: connecting DNA damage and metabolism. 2013 , 4, 6	56
572	Structural biology of the writers, readers, and erasers in mono- and poly(ADP-ribose) mediated signaling. 2013 , 34, 1088-108	50
571	Poly(ADP-ribose) polymerase-1-induced NAD(+) depletion promotes nuclear factor- B transcriptional activity by preventing p65 de-acetylation. 2013 , 1833, 1985-91	43
570	The beneficial role of vitamin D in obesity: possible genetic and cell signaling mechanisms. 2013 , 12, 89	41
569	Roles of vitamin D in amyotrophic lateral sclerosis: possible genetic and cellular signaling mechanisms. 2013 , 6, 16	21
568	Identification of novel PARP-1 inhibitors by structure-based virtual screening. 2013 , 23, 5790-4	17
567	An epigenetic framework for neurodevelopmental disorders: from pathogenesis to potential therapy. 2013 , 68, 2-82	159
566	PARP1 represses PAP and inhibits polyadenylation during heat shock. <i>Molecular Cell</i> , 2013 , 49, 7-17	17.6 55
565	Regulation of HFE expression by poly(ADP-ribose) polymerase-1 (PARP1) through an inverted repeat DNA sequence in the distal promoter. 2013 , 1829, 1257-1265	10
564	PARP1 is overexpressed in nasopharyngeal carcinoma and its inhibition enhances radiotherapy. 2013 , 12, 2517-28	50
563	Nucleosome remodeling and epigenetics. 2013 , 5,	171
562	NMNATs, evolutionarily conserved neuronal maintenance factors. 2013 , 36, 632-40	47
561	PARP-1 mechanism for coupling DNA damage detection to poly(ADP-ribose) synthesis. 2013 , 23, 134-43	133
560	Poly(ADP-ribose) signaling in cell death. 2013 , 34, 1153-67	183
559	Seven sirtuins for seven deadly diseases of aging. 2013 , 56, 133-71	272
558	Personalized therapy on the horizon for squamous cell carcinoma of the lung. 2013 , 80, 249-55	46
557	Design, synthesis, and biological evaluation of a series of benzo[de][1,7]naphthyridin-7(8H)-ones bearing a functionalized longer chain appendage as novel PARP1 inhibitors. 2013 , 56, 2885-903	62
556	Macro domains as metabolite sensors on chromatin. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1509-24.3	39

555	PARP-1 and gene regulation: progress and puzzles. 2013 , 34, 1109-23		183
554	Functional aspects of PARylation in induced and programmed DNA repair processes: preserving genome integrity and modulating physiological events. 2013 , 34, 1138-52		25
553	Identification of ADP-ribosylation sites of CD38 mutants by precursor ion scanning mass spectrometry. 2013 , 433, 218-26		5
552	MacroH2A--an epigenetic regulator of cancer. <i>Cancer Letters</i> , 2013 , 336, 247-52	9.9	47
551	Programmed cell death with a necrotic-like phenotype. 2013 , 4, 259-75		11
550	Crosstalk between apoptosis, necrosis and autophagy. 2013 , 1833, 3448-3459		862
549	Interaction of PARP-2 with DNA structures mimicking DNA repair intermediates and consequences on activity of base excision repair proteins. 2013 , 95, 1208-15		41
548	DNA repair genes are selectively mutated in diffuse large B cell lymphomas. 2013 , 210, 1729-42		74
547	Poly(ADP-ribose) binding to Chk1 at stalled replication forks is required for S-phase checkpoint activation. 2013 , 4, 2993		82
546	Role of poly(ADP-ribose) polymerase-1 in the removal of UV-induced DNA lesions by nucleotide excision repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1658-63	11.5	122
545	Antitumor activity of Pulsatilla koreana extract in anaplastic thyroid cancer via apoptosis and anti-angiogenesis. 2013 , 7, 26-30		15
544	Hydroxamic acid derivatives: pleiotropic HSP co-inducers restoring homeostasis and robustness. 2013 , 19, 309-46		48
543	Modulation of epigenetic targets for anticancer therapy: clinicopathological relevance, structural data and drug discovery perspectives. 2013 , 19, 578-613		64
542	Beneficial role of vitamin D3 in the prevention of certain respiratory diseases. 2013 , 7, 327-50		5
541	PARP inhibitors are not all equal. 2013 , 14, 873-4		2
540	C-Terminal Binding Protein: A Molecular Link between Metabolic Imbalance and Epigenetic Regulation in Breast Cancer. 2013 , 2013, 647975		30
539	ADP-ribose polymer depletion leads to nuclear Ctf re-localization and chromatin rearrangement(1). 2013 , 449, 623-30		24
538	Post-transcriptional regulation by poly(ADP-ribosylation) of the RNA-binding proteins. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16168-83	6.3	41

537	Loss of PIDD limits NF- κ B activation and cytokine production but not cell survival or transformation after DNA damage. 2013 , 20, 546-57		17
536	X-ray induced DNA damage and repair in germ cells of PARP1(-/-) male mice. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 18078-92	6.3	8
535	Comparative antiproliferative effects of iniparib and olaparib on a panel of triple-negative and non-triple-negative breast cancer cell lines. 2013 , 14, 537-45		30
534	Nonhomologous end-joining promotes resistance to DNA damage in the absence of an ADP-ribosyltransferase that signals DNA single strand breaks. 2013 , 126, 3452-61		11
533	Glucose deprivation converts poly(ADP-ribose) polymerase-1 hyperactivation into a transient energy-producing process. 2013 , 288, 36530-7		12
532	BAL1 and its partner E3 ligase, BBAP, link Poly(ADP-ribose) activation, ubiquitylation, and double-strand DNA repair independent of ATM, MDC1, and RNF8. 2013 , 33, 845-57		65
531	The Elephant and the Blind Men: Making Sense of PARP Inhibitors in Homologous Recombination Deficient Tumor Cells. 2013 , 3, 228		81
530	Poly(ADP-ribose) polymerase 1 promotes transcriptional repression of integrated retroviruses. 2013 , 87, 2496-507		28
529	Poly(ADP-ribose) polymerase 1 regulates nuclear reprogramming and promotes iPSC generation without c-Myc. 2013 , 210, 85-98		69
528	Beyond DNA repair, the immunological role of PARP-1 and its siblings. 2013 , 139, 428-37		122
527	Inhibition of BRCA2 and Thymidylate Synthase Creates Multidrug Sensitive Tumor Cells via the Induction of Combined "Complementary Lethality". 2013 , 2, e78		15
526	Up-regulation of two distinct p53-DNA binding functions by covalent poly(ADP-ribosyl)ation: transactivating and single strand break sensing. 2013 , 31, 563-70		2
525	PARP-1 regulates expression of TGF- β receptors in T cells. 2013 , 122, 2224-32		30
524	Correlation between PARP-1 immunoreactivity and cytomorphological features of parthanatos, a specific cellular death in breast cancer cells. 2013 , 57, e35		11
523	New approaches of PARP-1 inhibitors in human lung cancer cells and cancer stem-like cells by some selected anthraquinone-derived small molecules. 2013 , 8, e56284		23
522	Targeting poly (ADP-ribose) polymerase partially contributes to bufalin-induced cell death in multiple myeloma cells. 2013 , 8, e66130		13
521	Resistance to PARP-Inhibitors in Cancer Therapy. 2013 , 4, 18		71
520	Camptothecin resistance in cancer: insights into the molecular mechanisms of a DNA-damaging drug. 2013 , 20, 1541-65		62

519	Treating breast cancer in the 21st century: emerging biological therapies. 2013 , 4, 117-32	116
518	Involvement of PARPs in cell death. 2014 , 6, 308-17	15
517	Crystallographic and biochemical analysis of the mouse poly(ADP-ribose) glycohydrolase. 2014 , 9, e86010	20
516	Fine-tuning of Smad protein function by poly(ADP-ribose) polymerases and poly(ADP-ribose) glycohydrolase during transforming growth factor β signaling. 2014 , 9, e103651	15
515	Pyridine nucleotides in regulation of cell death and survival by redox and non-redox reactions. 2014 , 24, 287-309	7
514	Involvement of PARPs in cell death. 2014 , 6, 308-317	1
513	PARP12, an interferon-stimulated gene involved in the control of protein translation and inflammation. 2014 , 289, 26642-26657	66
512	Doxorubicin enhances Snail/LSD1-mediated PTEN suppression in a PARP1-dependent manner. 2014 , 13, 1708-16	23
511	Augmentation of NAD(+) by NQO1 attenuates cisplatin-mediated hearing impairment. 2014 , 5, e1292	41
510	Characterization of LGALS3 (galectin-3) as a player in DNA damage response. 2014 , 15, 840-50	22
509	New links between mRNA polyadenylation and diverse nuclear pathways. 2014 , 37, 644-9	12
508	Differential localisation of PARP-1 N-terminal fragment in PARP-1(+/+) and PARP-1(-/-) murine cells. 2014 , 37, 526-31	3
507	In Silico Investigation of Potential PARP-1 Inhibitors from Traditional Chinese Medicine. 2014 , 2014, 917605	3
506	PARP1-driven apoptosis in chronic lymphocytic leukemia. 2014 , 2014, 106713	22
505	NAD(+) Metabolism in Age-Related Hearing Loss. 2014 , 5, 150-9	15
504	Novel insights into the neuroendocrine control of inflammation: the role of GR and PARP1. 2014 , 3, R1-R12	7
503	Basal activity of a PARP1-NuA4 complex varies dramatically across cancer cell lines. 2014 , 8, 1808-1818	15
502	GATA3 cooperates with PARP1 to regulate CCND1 transcription through modulating histone H1 incorporation. 2014 , 33, 3205-16	30

501	Long-term suppression of EAE relapses by pharmacological impairment of epitope spreading. 2014 , 171, 1501-9		10
500	Metabolomics of ApcMin/+ mice genetically susceptible to intestinal cancer. 2014 , 8, 72		11
499	Mutations of human DNA topoisomerase I at poly(ADP-ribose) binding sites: modulation of camptothecin activity by ADP-ribose polymers. 2014 , 33, 71		3
498	Poly (ADP-ribose) polymerase inhibitors in cancer treatment. 2014 , 37, 90-100		6
497	Nuclear-cytoplasmic PARP-1 expression as an unfavorable prognostic marker in lymph node-negative early breast cancer: 15-year follow-up. 2014 , 31, 1777-87		18
496	Autophagy in Necrosis: A Force for Survival. 2014 , 233-252		
495	Poly (ADP-ribose) polymerase inhibitor: an evolving paradigm in the treatment of prostate cancer. 2014 , 16, 401-6		13
494	The PARP1/ARTD1-Mediated Poly-ADP-Ribosylation and DNA Damage Repair in B Cell Diversification. 2014 , 3, 37-55		2
493	Opposing roles of mitochondrial and nuclear PARP1 in the regulation of mitochondrial and nuclear DNA integrity: implications for the regulation of mitochondrial function. 2014 , 42, 13161-73		62
492	Transcriptional roles of PARP1 in cancer. 2014 , 12, 1069-80		99
491	Automodification switches PARP-1 function from chromatin architectural protein to histone chaperone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12752-7	11.5	94
490	ADP-ribosyltransferases Parp1 and Parp7 safeguard pluripotency of ES cells. 2014 , 42, 8914-27		53
489	From old alkylating agents to new minor groove binders. <i>Critical Reviews in Oncology/Hematology</i> , 2014 , 89, 43-61	7	85
488	Predictive biomarkers for cancer therapy with PARP inhibitors. 2014 , 33, 3894-907		83
487	NAD+ depletion by APO866 in combination with radiation in a prostate cancer model, results from an in vitro and in vivo study. 2014 , 110, 348-54		26
486	Poly(ADP-ribose) polymerase inhibitor CEP-8983 synergizes with bendamustine in chronic lymphocytic leukemia cells in vitro. 2014 , 38, 411-7		6
485	TNF-induced necroptosis and PARP-1-mediated necrosis represent distinct routes to programmed necrotic cell death. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 331-48	10.3	131
484	Hesperetin activates the Notch1 signaling cascade, causes apoptosis, and induces cellular differentiation in anaplastic thyroid cancer. 2014 , 21 Suppl 4, S497-504		44

483	Advances in Diagnosis and Management of Ovarian Cancer. 2014 ,	2
482	Necrotic Cell Death. 2014 ,	4
481	Poly(ADP-ribose) polymerase-1 modulates Nrf2-dependent transcription. 2014 , 67, 69-80	32
480	Novel insights into embryonic stem cell self-renewal revealed through comparative human and mouse systems biology networks. 2014 , 32, 1161-72	14
479	Cellular Injury and Apoptosis. 2014 , 245-256	
478	Stereospecific PARP trapping by BMN 673 and comparison with olaparib and rucaparib. 2014 , 13, 433-43	459
477	Engineering the substrate specificity of ADP-ribosyltransferases for identifying direct protein targets. 2014 , 136, 5201-4	87
476	Poly(ADP-ribose) polymerase-1 and its cleavage products differentially modulate cellular protection through NF-kappaB-dependent signaling. 2014 , 1843, 640-51	29
475	Dynamic changes in DNA methylation and hydroxymethylation when hES cells undergo differentiation toward a neuronal lineage. 2014 , 23, 657-67	72
474	Antagonistic crosstalk between SIRT1, PARP-1, and -2 in the regulation of chronic inflammation associated with aging and metabolic diseases. 2014 , 3, 198-203	20
473	Poly(ADP-ribose) polymerases in double-strand break repair: focus on PARP1, PARP2 and PARP3. 2014 , 329, 18-25	197
472	Association of common SNP rs1136410 in PARP1 gene with the susceptibility to male infertility with oligospermia. 2014 , 31, 1391-5	7
471	DNA damage response and metabolic disease. 2014 , 20, 967-77	139
470	DNA damage response genes and the development of cancer metastasis. 2014 , 181, 111-30	170
469	Histone demethylase KDM5B is a key regulator of genome stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7096-101	11.5 89
468	PARP1-driven poly-ADP-ribosylation regulates BRCA1 function in homologous recombination-mediated DNA repair. 2014 , 4, 1430-47	85
467	PARP and other prospective targets for poisoning cancer cell metabolism. 2014 , 92, 164-71	23
466	Synergy between the NAMPT inhibitor GMX1777(8) and pemetrexed in non-small cell lung cancer cells is mediated by PARP activation and enhanced NAD consumption. <i>Cancer Research</i> , 2014 , 74, 5948-54 ^{10.1}	33

465	Role of poly(ADP-ribose) glycohydrolase silencing in DNA hypomethylation induced by benzo(a)pyrene. 2014 , 452, 708-14	8
464	Nicotinamide phosphoribosyltransferase can affect metastatic activity and cell adhesive functions by regulating integrins in breast cancer. 2014 , 23, 79-87	33
463	Function and regulation of the mono-ADP-ribosyltransferase ARTD10. 2015 , 384, 167-88	20
462	DNA damage and its links to neurodegeneration. 2014 , 83, 266-282	352
461	Investigating the allosteric reverse signalling of PARP inhibitors with microsecond molecular dynamic simulations and fluorescence anisotropy. 2014 , 1844, 1765-72	9
460	Lysine methyltransferase Smyd2 suppresses p53-dependent cardiomyocyte apoptosis. 2014 , 1843, 2556-62	30
459	The amphibian <i>Pelophylax bergeri</i> (Güther, 1986) testis poly(ADP-ribose)polymerases: relationship to endocrine disruptors during spermatogenesis. 2014 , 81, 256-263	11
458	PARP inhibition and the radiosensitizing effects of the PARP inhibitor ABT-888 in in vitro hepatocellular carcinoma models. 2014 , 14, 603	27
457	Biophysicochemical properties of endothelial cells cultured on bio-inspired collagen films. 2014 , 14, 61	8
456	Poly(ADP-ribose) polymerase 1 (PARP1) associates with E3 ubiquitin-protein ligase UHRF1 and modulates UHRF1 biological functions. 2014 , 289, 16223-38	32
455	MicroRNAs emerge as modulators of NAD ⁺ -dependent energy metabolism in skeletal muscle. 2014 , 63, 1451-3	6
454	PARP1-dependent recruitment of KDM4D histone demethylase to DNA damage sites promotes double-strand break repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E728-37	11.5 89
453	Cytotoxicity and genotoxicity of nano - and microparticulate copper oxide: role of solubility and intracellular bioavailability. 2014 , 11, 10	121
452	Poly(ADP-ribose): a signaling molecule in different paradigms of cell death. 2014 , 92, 157-63	83
451	Conformational activation of poly(ADP-ribose) polymerase-1 upon DNA binding revealed by small-angle X-ray scattering. 2014 , 53, 1779-88	18
450	Combination of AZD2281 (Olaparib) and GX15-070 (Obatoclox) results in synergistic antitumor activities in preclinical models of pancreatic cancer. <i>Cancer Letters</i> , 2014 , 348, 20-8	9.9 22
449	Rapamycin-resistant poly (ADP-ribose) polymerase-1 overexpression is a potential therapeutic target in lymphangioliomyomatosis. 2014 , 51, 738-49	10
448	Hazard identification of the potential for dieldrin carcinogenicity to humans. 2014 , 131, 188-214	15

447	Heat shock protein 20 (HSPB6) regulates apoptosis in human hepatocellular carcinoma cells: Direct association with Bax. 2014 , 32, 1291-5		19
446	PJ34, a poly(ADP-ribose) polymerase (PARP) inhibitor, reverses melphalan-resistance and inhibits repair of DNA double-strand breaks by targeting the FA/BRCA pathway in multidrug resistant multiple myeloma cell line RPMI8226/R. 2015 , 46, 223-32		12
445	Shaping of interphase chromosomes by the microtubule network. 2015 , 282, 3500-24		18
444	CHD1L Regulated PARP1-Driven Pluripotency and Chromatin Remodeling During the Early-Stage Cell Reprogramming. 2015 , 33, 2961-72		15
443	A gene expression signature-based approach reveals the mechanisms of action of the Chinese herbal medicine berberine. 2014 , 4, 6394		37
442	Structural Basis of Detection and Signaling of DNA Single-Strand Breaks by Human PARP-1. <i>Molecular Cell</i> , 2015 , 60, 742-754	17.6	167
441	Olaparib in the management of ovarian cancer. 2015 , 8, 127-35		27
440	The dual action of poly(ADP-ribose) polymerase -1 (PARP-1) inhibition in HIV-1 infection: HIV-1 LTR inhibition and diminution in Rho GTPase activity. <i>Frontiers in Microbiology</i> , 2015 , 6, 878	5.7	18
439	Poly-ADP-ribosylation signaling during DNA damage repair. 2015 , 20, 440-57		20
438	Poly(ADP-Ribosyl)ation Affects Histone Acetylation and Transcription. 2015 , 10, e0144287		22
437	Endogenous ADP-Ribosylation. 2015 ,		4
436	Molecular mechanisms of transcriptional regulation by Poly(ADP-ribose) polymerase 1. 2015 , 49, 86-98		0
435	Poly(ADP-ribose) polymerase 1 inhibition prevents interleukin-1 β induced inflammation in human osteoarthritic chondrocytes. 2015 , 47, 422-30		13
434	Dunnione ameliorates cisplatin-induced small intestinal damage by modulating NAD(+) metabolism. 2015 , 467, 697-703		17
433	Acyl-CoA-binding domain containing 3 modulates NAD+ metabolism through activating poly(ADP-ribose) polymerase 1. 2015 , 469, 189-98		10
432	The Combination of the PARP Inhibitor Rucaparib and 5FU Is an Effective Strategy for Treating Acute Leukemias. 2015 , 14, 889-98		22
431	Emerging drugs for squamous cell lung cancer. 2015 , 20, 149-60		14
430	New facets in the regulation of gene expression by ADP-ribosylation and poly(ADP-ribose) polymerases. 2015 , 115, 2453-81		89

429	Textbook of Cell Signalling in Cancer. 2015,	5
428	Galactosylated poly(ethyleneglycol)-lithocholic Acid selectively kills hepatoma cells, while sparing normal liver cells. 2015, 15, 777-87	11
427	Nuclear ADP-Ribosylation and Its Role in Chromatin Plasticity, Cell Differentiation, and Epigenetics. 2015, 84, 227-63	169
426	Discovery of 2-[1-(4,4-Difluorocyclohexyl)piperidin-4-yl]-6-fluoro-3-oxo-2,3-dihydro-1H-isoindole-4-carboxamide (NMS-P118): A Potent, Orally Available, and Highly Selective PARP-1 Inhibitor for Cancer Therapy. 2015, 58, 6875-98	67
425	The role of DNA damage and repair in atherosclerosis: A review. 2015, 86, 147-57	29
424	The new insight on the regulatory role of the vitamin D3 in metabolic pathways characteristic for cancerogenesis and neurodegenerative diseases. 2015, 24, 126-37	17
423	Optimization of LTQ-Orbitrap Mass Spectrometer Parameters for the Identification of ADP-Ribosylation Sites. 2015, 14, 4072-9	40
422	Novel analogs targeting histone deacetylase suppress aggressive thyroid cancer cell growth and induce re-differentiation. 2015, 22, 410-6	19
421	A poly(ADP-ribose) polymerase-1 activity assay based on the FRET between a cationic conjugated polymer and supercharged green fluorescent protein. 2015, 51, 14389-92	22
420	PARP2 Is the Predominant Poly(ADP-Ribose) Polymerase in Arabidopsis DNA Damage and Immune Responses. 2015, 11, e1005200	66
419	TRPM2-mediated intracellular Zn ²⁺ release triggers pancreatic β cell death. 2015, 466, 537-46	37
418	Long-term safety and anti-tumour activity of olaparib monotherapy after combination with carboplatin and paclitaxel in patients with advanced breast, ovarian or fallopian tube cancer. 2015, 113, 396-402	36
417	PARPs and ADP-Ribosylation: 50 Years and Counting. <i>Molecular Cell</i> , 2015, 58, 902-10	17.6 99
416	Filia Is an ESC-Specific Regulator of DNA Damage Response and Safeguards Genomic Stability. 2015, 16, 684-98	32
415	Nicotinamide adenine dinucleotide: An essential factor in preserving hearing in cisplatin-induced ototoxicity. 2015, 326, 30-9	6
414	Damage and regeneration of small intestinal enterocytes under the influence of carrageenan induces chronic enteritis. 2015, 24, 1473-1477	17
413	Biological and clinical significance of PARP1 protein expression in breast cancer. 2015, 149, 353-62	48
412	Trapping Poly(ADP-Ribose) Polymerase. 2015, 353, 446-57	128

411	ABT-888 enhances cytotoxic effects of temozolomide independent of MGMT status in serum free cultured glioma cells. 2015 , 13, 74	22
410	An LRP16-containing preassembly complex contributes to NF- κ B activation induced by DNA double-strand breaks. 2015 , 43, 3167-79	15
409	Molecularly targeted therapies in non-small-cell lung cancer annual update 2014. 2015 , 10, S1-63	102
408	A phase I-II evaluation of veliparib (NSC #737664), topotecan, and filgrastim or pegfilgrastim in the treatment of persistent or recurrent carcinoma of the uterine cervix: an NRG Oncology/Gynecologic Oncology Group study. 2015 , 25, 484-92	41
407	Poly (ADP-ribose) polymerase inhibitors: recent advances and future development. 2015 , 33, 1397-406	254
406	High mobility group (HMG) proteins: Modulators of chromatin structure and DNA repair in mammalian cells. 2015 , 36, 122-136	53
405	Quantitative proteomics unveiled: Regulation of DNA double strand break repair by EGFR involves PARP1. 2015 , 116, 423-30	11
404	PARP1- and CTCF-Mediated Interactions between Active and Repressed Chromatin at the Lamina Promote Oscillating Transcription. <i>Molecular Cell</i> , 2015 , 59, 984-97	17.6 89
403	Global Transcriptome Analysis Reveals That Poly(ADP-Ribose) Polymerase 1 Regulates Gene Expression through EZH2. 2015 , 35, 3934-44	24
402	Expression of DNA Damage Response Molecules PARP1, γ H2AX, BRCA1, and BRCA2 Predicts Poor Survival of Breast Carcinoma Patients. 2015 , 8, 239-49	17
401	Synthetic lethal targeting of oncogenic transcription factors in acute leukemia by PARP inhibitors. 2015 , 21, 1481-90	107
400	Role of DNA repair in host immune response and inflammation. 2015 , 763, 246-57	24
399	Poly(ADP-ribose) polymerase-1 inhibition in brain endothelium protects the blood-brain barrier under physiologic and neuroinflammatory conditions. 2015 , 35, 28-36	44
398	The Role of Caffeine in Neurodegenerative Diseases. 2015 , 261-279	3
397	Possible Anticancer Mechanisms of Some <i>Costus speciosus</i> Active Ingredients Concerning Drug Discovery. 2016 , 13, 123-143	15
396	Sam68/KHDRBS1 is critical for colon tumorigenesis by regulating genotoxic stress-induced NF- κ B activation. 2016 , 5,	25
395	Poly(ADP-ribose) polymerase 1 contributes to oxidative stress through downregulation of sirtuin 3 during cisplatin nephrotoxicity. 2016 , 49, 165-176	21
394	New Therapeutic Concept of NAD Redox Balance for Cisplatin Nephrotoxicity. 2016 , 2016, 4048390	24

393	High PARP-1 expression is associated with tumor invasion and poor prognosis in gastric cancer. 2016 , 12, 3825-3835	33
392	SIRT7 promotes genome integrity and modulates non-homologous end joining DNA repair. 2016 , 35, 1488-503	150
391	TCDD-inducible poly-ADP-ribose polymerase (TIPARP/PARP7) mono-ADP-ribosylates and co-activates liver X receptors. 2016 , 473, 899-910	30
390	PKC δ and HMGB1 antagonistically control hydrogen peroxide-induced poly-ADP-ribose formation. 2016 , 44, 7630-45	12
389	Targeted therapy in ovarian cancer. 2016 , 12, 363-78	17
388	Potential role of 8-oxoguanine DNA glycosylase 1 as a STAT1 coactivator in endotoxin-induced inflammatory response. 2016 , 93, 12-22	12
387	Regulation of Bone Morphogenetic Protein Signaling by ADP-ribosylation. 2016 , 291, 12706-12723	5
386	PARP inhibition and gynecologic malignancies: A review of current literature and on-going trials. 2016 , 142, 588-96	17
385	Helicobacter pylori-induced chronic inflammation causes telomere shortening of gastric mucosa by promoting PARP-1-mediated non-homologous end joining of DNA. 2016 , 606, 90-8	18
384	Iodinated benzimidazole PARP radiotracer for evaluating PARP1/2 expression in vitro and in vivo. 2016 , 43, 752-758	17
383	Use of poly ADP-ribose polymerase [PARP] inhibitors in cancer cells bearing DDR defects: the rationale for their inclusion in the clinic. 2016 , 35, 179	64
382	The role of ADP-ribosylation in regulating DNA interstrand crosslink repair. 2016 , 129, 3845-3858	13
381	ARTD1 regulates osteoclastogenesis and bone homeostasis by dampening NF- κ B-dependent transcription of IL-1 β . 2016 , 6, 21131	26
380	Genetic Association of PARP15 Polymorphisms with Clinical Outcome of Acute Myeloid Leukemia in a Korean Population. 2016 , 20, 696-701	11
379	PARP inhibitor combination therapy. <i>Critical Reviews in Oncology/Hematology</i> , 2016 , 108, 73-85	7 116
378	Reduced apurinic/apyrimidinic endonuclease activity enhances the antitumor activity of oxymatrine in lung cancer cells. 2016 , 49, 2331-2340	10
377	Disrupted ADP-ribose metabolism with nuclear Poly (ADP-ribose) accumulation leads to different cell death pathways in presence of hydrogen peroxide in procyclic Trypanosoma brucei. 2016 , 9, 173	7
376	A Radiotracer Strategy to Quantify PARP-1 Expression In Vivo Provides a Biomarker That Can Enable Patient Selection for PARP Inhibitor Therapy. <i>Cancer Research</i> , 2016 , 76, 4516-24	10.1 55

375	Modulation of urokinase plasminogen activator system by poly(ADP-ribose)polymerase-1 inhibition. 2016 , 68, 783-94		1
374	Nuclear PARP1 expression and its prognostic significance in breast cancer patients. 2016 , 37, 6143-53		22
373	Discovery and Characterization of (8S,9R)-5-Fluoro-8-(4-fluorophenyl)-9-(1-methyl-1H-1,2,4-triazol-5-yl)-2,7,8,9-tetrahydro-3H-pyrido[4,3,2-de]phthalazin-3-one (BMN 673, Talazoparib), a Novel, Highly Potent, and Orally Efficacious Poly(ADP-ribose) Polymerase-1/2 Inhibitor, as an Anticancer Agent. 2016 , 59, 335-57		93
372	Free energy calculation provides insight into the action mechanism of selective PARP-1 inhibitor. 2016 , 22, 74		3
371	DNA repair targeted therapy: The past or future of cancer treatment?. 2016 , 160, 65-83		233
370	Dunnione ameliorates cisplatin ototoxicity through modulation of NAD(+) metabolism. 2016 , 333, 235-246		12
369	Poly(ADP-ribose) polymerase inhibitors activate the p53 signaling pathway in neural stem/progenitor cells. 2017 , 18, 14		13
368	PARP-1 Controls the Adipogenic Transcriptional Program by PARylating C/EBP β and Modulating Its Transcriptional Activity. <i>Molecular Cell</i> , 2017 , 65, 260-271	17.6	59
367	Apoptotic effects of bovine apo-lactoferrin on HeLa tumor cells. 2017 , 35, 33-41		13
366	PARP-1 Expression Quantified by [¹⁸ F]Fluorothalimide: A Biomarker of Response to PARP Inhibition Adjuvant to Radiation Therapy. 2017 , 32, 9-15		14
365	Catalytic-Independent Functions of PARP-1 Determine Sox2 Pioneer Activity at Intractable Genomic Loci. <i>Molecular Cell</i> , 2017 , 65, 589-603.e9	17.6	66
364	PARP1 and Sox2: An Unlikely Team of Pioneers to Conquer the Nucleosome. <i>Molecular Cell</i> , 2017 , 65, 581-582	17.6	2
363	Poly (ADP-ribose) polymerase 1 mRNA levels strongly correlate with the prognosis of myelodysplastic syndromes. 2017 , 7, e533		10
362	Site-specific ADP-ribosylation of histone H2B in response to DNA double strand breaks. 2017 , 7, 43750		16
361	Inhibition of autophagy enhances Hydroquinone-induced TK6 cell death. 2017 , 41, 123-132		9
360	Serine ADP-Ribosylation Depends on HPF1. <i>Molecular Cell</i> , 2017 , 65, 932-940.e6	17.6	173
359	PARPs and ADP-ribosylation: recent advances linking molecular functions to biological outcomes. 2017 , 31, 101-126		354
358	NF90 regulates PARP1 mRNA stability in hepatocellular carcinoma. 2017 , 488, 211-217		16

357	Therapeutic Targeting of Poly(ADP-Ribose) Polymerase-1 (PARP1) in Cancer: Current Developments, Therapeutic Strategies, and Future Opportunities. 2017 , 37, 1461-1491	32
356	PARP1 orchestrates epigenetic events setting up chromatin domains. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 63, 123-134	7.5 59
355	Integrin linked kinase regulates syncytialization of BeWo trophoblast cells. 2017 , 96, 673-685	10
354	PARP Inhibitors in Prostate Cancer. 2017 , 18, 37	42
353	CTCF facilitates DNA double-strand break repair by enhancing homologous recombination repair. 2017 , 3, e1601898	34
352	AHR toxicity and signaling: Role of TIPARP and ADP-ribosylation. 2017 , 2, 50-57	9
351	The emerging role of homologous recombination repair and PARP inhibitors in genitourinary malignancies. 2017 , 123, 1912-1924	36
350	PARP inhibitors: Synthetic lethality in the clinic. 2017 , 355, 1152-1158	1107
349	A comprehensive look of poly(ADP-ribose) polymerase inhibition strategies and future directions for cancer therapy. 2017 , 9, 37-60	9
348	Delivering widespread BRCA testing and PARP inhibition to patients with ovarian cancer. 2017 , 14, 284-296	107
347	Predictive value of epithelial-mesenchymal-transition (EMT) signature and PARP-1 in prostate cancer radioresistance. 2017 , 77, 1583-1591	27
346	Downregulated long non-coding RNA TCONS_00068220 upregulates apoptosis in gastric cancer cells. 2017 , 14, 6143-6150	4
345	Small-Molecule Inhibitors Targeting DNA Repair and DNA Repair Deficiency in Research and Cancer Therapy. 2017 , 24, 1101-1119	77
344	Cancer-derived exosomes as a delivery platform of CRISPR/Cas9 confer cancer cell tropism-dependent targeting. 2017 , 266, 8-16	196
343	PARPi potentiates with current conventional therapy in MLL leukemia. 2017 , 16, 1861-1869	9
342	Multistimuli Response Micro- and Nanolayers of a Coordination Polymer Based on Cu I Chains Linked by 2-Aminopyrazine. 2017 , 13, 1700965	31
341	A common intronic variant of PARP1 confers melanoma risk and mediates melanocyte growth via regulation of MITF. 2017 , 49, 1326-1335	36
340	Discovery of potent 2,4-difluoro-linker poly(ADP-ribose) polymerase 1 inhibitors with enhanced water solubility and in vivo anticancer efficacy. 2017 , 38, 1521-1532	6

339	A Cell-Line-Specific Atlas of PARP-Mediated Protein Asp/Glu-ADP-Ribosylation in Breast Cancer. 2017 , 21, 2326-2337			32
338	Inflammation and DNA damage: Probing pathways to cancer and neurodegeneration. 2017 , 25, 37-43			4
337	The HSF1-PARP13-PARP1 complex facilitates DNA repair and promotes mammary tumorigenesis. 2017 , 8, 1638			36
336	Utility of Adenosine Monophosphate Detection System for Monitoring the Activities of Diverse Enzyme Reactions. 2017 , 15, 330-341			12
335	Targeting DNA repair and replication stress in the treatment of ovarian cancer. 2017 , 22, 619-628			45
334	Poly(ADP-Ribose)-Dependent Chromatin Remodeling in DNA Repair. 2017 , 1608, 165-183			8
333	A germline FANCA alteration that is associated with increased sensitivity to DNA damaging agents. 2017 , 3,			15
332	Cell Death Mechanisms of Neurodegeneration. 2017 , 15, 403-425			68
331	Discovery, mechanism and metabolism studies of 2,3-difluorophenyl-linker-containing PARP1 inhibitors with enhanced in vivo efficacy for cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2017 , 138, 514-531	6.8		13
330	From the Cover: ROS-Induced Store-Operated Ca ²⁺ Entry Coupled to PARP-1 Hyperactivation Is Independent of PARG Activity in Necrotic Cell Death. 2017 , 158, 444-453			8
329	Adipocytokines, Energy Balance, and Cancer. 2017 ,			1
328	Visfatin, Obesity, and Cancer. 2017 , 109-136			6
327	Poly ADP-ribose polymerase-1: Beyond transcription and towards differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 63, 167-179	7.5		20
326	A Phase I Study of Topotecan, Carboplatin and the PARP Inhibitor Veliparib in Acute Leukemias, Aggressive Myeloproliferative Neoplasms, and Chronic Myelomonocytic Leukemia. 2017 , 23, 899-907			26
325	PARP-1 is required for retrieval of cocaine-associated memory by binding to the promoter of a novel gene encoding a putative transposase inhibitor. 2017 , 22, 570-579			4
324	Poly(ADP-ribose)polymerase-1 hyperactivation in neurodegenerative diseases: The death knell tolls for neurons. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 63, 154-166	7.5		33
323	Anti-apoptotic quinolinate phosphoribosyltransferase (QPRT) is a target gene of Wilms tumor gene 1 (WT1) protein in leukemic cells. 2017 , 482, 802-807			16
322	Randomized, Placebo-Controlled, Phase II Study of Veliparib in Combination with Carboplatin and Paclitaxel for Advanced/Metastatic Non-Small Cell Lung Cancer. 2017 , 23, 1937-1944			52

321	Glycyrrhizic acid induces human MDA-MB-231 breast cancer cell death and autophagy via the ROS-mitochondrial pathway. 2018 , 39, 703-710	22
320	BRCA Gene Mutations and Poly(ADP-Ribose) Polymerase Inhibitors in Triple-Negative Breast Cancer. 2017 , 1026, 271-286	14
319	Heritable sperm chromatin epigenetics: a break to remember. 2017 , 97, 784-797	13
318	Targeting NAD ⁺ in Metabolic Disease: New Insights Into an Old Molecule. 2017 , 1, 816-835	50
317	Poly(ADP-Ribose)Polymerase-1 in Lung Inflammatory Disorders: A Review. 2017 , 8, 1172	31
316	Inferring Molecular Processes Heterogeneity from Transcriptional Data. 2017 , 2017, 6961786	2
315	Antitumor activity of fucoidan in anaplastic thyroid cancer via apoptosis and anti-angiogenesis. 2017 , 15, 2620-2624	15
314	Spermidine is protective against kidney ischemia and reperfusion injury through inhibiting DNA nitration and PARP1 activation. 2017 , 50, 200-206	9
313	Base Excision Repair Manipulation in Breast Carcinoma: A Prospective Avenue to Potentiate Genome Insulting Approach. 2017 , 2, 42-51	1
312	Rucaparib: a new treatment option for ovarian cancer. 2018 , 19, 765-771	5
311	Chemo-enzymatic synthesis of isotopically labeled nicotinamide riboside. 2018 , 16, 3662-3671	4
310	Baker's Yeast Sensitizes Metastatic Breast Cancer Cells to Paclitaxel In Vitro. 2018 , 17, 542-550	2
309	Novel Mechanism for Nicotinamide Phosphoribosyltransferase Inhibition of TNF α -mediated Apoptosis in Human Lung Endothelial Cells. 2018 , 59, 36-44	23
308	Management of the toxicities of common targeted therapeutics for gynecologic cancers. 2018 , 148, 591-600	21
307	The role of extracellular and intracellular Nicotinamide phosphoribosyl-transferase in cancer: Diagnostic and therapeutic perspectives and challenges. 2018 , 82, 72-87	41
306	Ultrasensitive electrochemical detection of poly (ADP-ribose) polymerase-1 via polyaniline deposition. 2018 , 180, 127-132	10
305	Design and synthesis of 2-(4,5,6,7-tetrahydrothienopyridin-2-yl)-benzimidazole carboxamides as novel orally efficacious Poly(ADP-ribose)polymerase (PARP) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 389-403	6.8 27
304	Inhibited, trapped or adducted: the optimal selective synthetic lethal mix for BRCAness. 2018 , 29, 18-21	4

303	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. 2018 , 113, 136-141	12
302	DNA Repair Enzymes as Promising Targets in Oncotherapy. 2018 , 44, 1-18	2
301	The Current Landscape of PARP Inhibitors in Ovarian Cancer. 2018 , 7, 20-27	2
300	AIF-independent parthanatos in the pathogenesis of dry age-related macular degeneration. 2017 , 8, e2526	38
299	Cell Death Pathways: a Novel Therapeutic Approach for Neuroscientists. 2018 , 55, 5767-5786	77
298	Physiological and pharmacological inductors of HSP70 enhance the antioxidative defense mechanisms of the liver and pancreas in diabetic rats. 2018 , 96, 158-164	7
297	The role of TET-mediated DNA hydroxymethylation in prostate cancer. 2018 , 462, 41-55	11
296	ADP-Ribosylation, a Multifaceted Posttranslational Modification Involved in the Control of Cell Physiology in Health and Disease. 2018 , 118, 1092-1136	119
295	A comparative pharmacokinetic study of PARP inhibitors demonstrates favorable properties for niraparib efficacy in preclinical tumor models. 2018 , 9, 37080-37096	64
294	Targeted Therapies in Platinum-Resistant Ovarian Cancer: Advances in Immunotherapy Combination Strategies. 2018 ,	1
293	Current Perspectives on Novel Drug Carrier Systems and Therapies for Management of Pancreatic Cancer: An Updated Inclusive Review. 2018 , 35, 195-292	6
292	Clinical Utility of Poly (ADP-Ribose) Polymerase Inhibitors in Ovarian Cancer. 2018 , 10,	
291	PARP-1 regulates DNA repair factor availability. 2018 , 10,	35
290	High PARP-1 expression predicts poor survival in acute myeloid leukemia and PARP-1 inhibitor and SAHA-bendamustine hybrid inhibitor combination treatment synergistically enhances anti-tumor effects. 2018 , 38, 47-56	33
289	PARPs in genome stability and signal transduction: implications for cancer therapy. 2018 , 46, 1681-1695	41
288	Augmentation of NAD levels by enzymatic action of NAD(P)H quinone oxidoreductase 1 attenuates adriamycin-induced cardiac dysfunction in mice. 2018 , 124, 45-57	13
287	Small-Molecule Inhibitors of PARPs: From Tools for Investigating ADP-Ribosylation to Therapeutics. 2019 , 420, 211-231	11
286	Epigenetic Targeting of Glioblastoma. 2018 , 8, 448	48

285	Tankyrase Mediates K63-Linked Ubiquitination of JNK to Confer Stress Tolerance and Influence Lifespan in <i>Drosophila</i> . 2018 , 25, 437-448	13
284	Bi-allelic ADPRHL2 Mutations Cause Neurodegeneration with Developmental Delay, Ataxia, and Axonal Neuropathy. 2018 , 103, 817-825	24
283	PARP1 promote autophagy in cardiomyocytes via modulating FoxO3a transcription. 2018 , 9, 1047	35
282	Exogenous spermidine ameliorates tubular necrosis during cisplatin nephrotoxicity. 2018 , 51, 189-199	4
281	Roles of Nmnat1 in the survival of retinal progenitors through the regulation of pro-apoptotic gene expression via histone acetylation. 2018 , 9, 891	13
280	Nuclear poly(ADP-ribose) activity is a therapeutic target in amyotrophic lateral sclerosis. 2018 , 6, 84	54
279	The long noncoding RNA contributes to progression of hepatocellular carcinoma through up-regulation of PARP1. 2018 , 38,	17
278	Poly(ADP-ribose) Polymerase (PARP) and PARP Inhibitors: Mechanisms of Action and Role in Cardiovascular Disorders. 2018 , 18, 493-506	61
277	PARP3 inhibitors ME0328 and olaparib potentiate vinorelbine sensitization in breast cancer cell lines. 2018 , 172, 23-32	16
276	Poly(ADP-ribosyl)ated PXR is a critical regulator of acetaminophen-induced hepatotoxicity. 2018 , 9, 819	11
275	Sirtuins in Adipose Tissue Metabolism. 2018 ,	3
274	Effect of Notch and PARP PathwaysNnhibition in Leukemic Cells. 2018 , 7,	3
273	Acetylation blocks DNA damage-induced chromatin ADP-ribosylation. 2018 , 14, 837-840	48
272	ADP-ribosylation and NAD ⁺ Utilizing Enzymes. 2018 ,	2
271	Methods to Study TCDD-Inducible Poly-ADP-Ribose Polymerase (TIPARP) Mono-ADP-Ribosyltransferase Activity. 2018 , 1813, 109-124	3
270	Identifying Genomic Sites of ADP-Ribosylation Mediated by Specific Nuclear PARP Enzymes Using Click-ChIP. 2018 , 1813, 371-387	
269	DNA Damage Response Regulates Initiation of Liver Regeneration Following Acetaminophen Overdose. 2018 , 18, 115-123	12
268	Down-regulation of NAMPT expression by mir-206 reduces cell survival of breast cancer cells. 2018 , 673, 149-158	29

267	Poly(Adenosine Phosphate Ribose) Polymerase 1 Inhibition Enhances Brain-derived Neurotrophic Factor Secretion in Dental Pulp Stem Cell-derived Odontoblastlike Cells. 2018 , 44, 1121-1125	5
266	Current Diagnosis and Management of Small-Cell Lung Cancer. 2019 , 94, 1599-1622	89
265	Absence of NKG2D ligands defines leukaemia stem cells and mediates their immune evasion. 2019 , 572, 254-259	131
264	Association of PARP1 rs4653734, rs907187 and rs1136410 variants with breast cancer risk among Iranian women. 2019 , 712, 143954	1
263	Activation of PARP-1 by snoRNAs Controls Ribosome Biogenesis and Cell Growth via the RNA Helicase DDX21. <i>Molecular Cell</i> , 2019 , 75, 1270-1285.e14	17.6 88
262	Synthesis of Poly(ADP-ribose) Monomer Containing 2NO- β -Ribofuranosyl Adenosine. 2019 , 78, e92	1
261	Role of APD-Ribosylation in Bone Health and Disease. 2019 , 8,	4
260	KHDC3L mutation causes recurrent pregnancy loss by inducing genomic instability of human early embryonic cells. 2019 , 17, e3000468	16
259	New perspectives on the plant PARP Family: Arabidopsis PARP3 is inactive, and PARP1 exhibits predominant poly (ADP-ribose) polymerase activity in response to DNA damage. 2019 , 19, 364	9
258	Site-Specific Characterization of Asp- and Glu-ADP-Ribosylation by Quantitative Mass Spectrometry. 2019 , 349-362	
257	PARP-1 activity (PAR) determines the sensitivity of cervical cancer to olaparib. 2019 , 155, 144-150	17
256	The Application of Convolutional Neural Network in Security Code Recognition. 2019 , 1187, 042064	1
255	PBX homeobox 1 enhances hair follicle mesenchymal stem cell proliferation and reprogramming through activation of the AKT/glycogen synthase kinase signaling pathway and suppression of apoptosis. 2019 , 10, 268	13
254	DNA-PKcs PARylation regulates DNA-PK kinase activity in the DNA damage response. 2019 , 20, 3609-3616	7
253	In Vitro and In Silico Mechanistic Insights into miR-21-5p-Mediated Topoisomerase Drug Resistance in Human Colorectal Cancer Cells. 2019 , 9,	12
252	Post-translational Modifications of Nucleotide Excision Repair Proteins and Their Role in the DNA Repair. 2019 , 84, 1008-1020	7
251	Induction of Urokinase Activity by Retinoic Acid in Two Cell Lines of Neuronal Origin. 2019 , 7,	
250	Triple-Negative Breast Cancer: The Progress of Targeted Therapies and Future Tendencies. <i>Anticancer Research</i> , 2019 , 39, 5285-5296	2.3 29

249	ARTD1 in Myeloid Cells Controls the IL-12/18-IFN- γ Axis in a Model of Sterile Sepsis, Chronic Bacterial Infection, and Cancer. 2019 , 202, 1406-1416		7
248	The Role of Poly(ADP-Ribose) Polymerase-1 in Cutaneous Wound Healing. 2019 , 8, 634-643		1
247	Signal-induced PARP1-Erk synergism mediates IEG expression. 2019 , 4, 8		6
246	Targeting PARP-1 with Alpha-Particles Is Potently Cytotoxic to Human Neuroblastoma in Preclinical Models. 2019 , 18, 1195-1204		21
245	From Powerhouse to Perpetrator-Mitochondria in Health and Disease. 2019 , 8,		9
244	Personalized Nutrition: Translating the Science of NutriGenomics Into Practice: Proceedings From the 2018 American College of Nutrition Meeting. 2019 , 38, 287-301		15
243	Transcriptional landscape of DNA repair genes underpins a pan-cancer prognostic signature associated with cell cycle dysregulation and tumor hypoxia. 2019 , 78, 142-153		14
242	Studies Towards Hypoxia-Activated Prodrugs of PARP Inhibitors. <i>Molecules</i> , 2019 , 24,	4.8	8
241	Novel insights into PARPs in gene expression: regulation of RNA metabolism. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 3283-3299	10.3	22
240	Serum-dependent and -independent regulation of PARP2. 2019 , 97, 600-611		5
239	Mitigating effect of biotin against irradiation-induced cerebral cortical and hippocampal damage in the rat brain tissue. 2019 , 26, 13441-13452		7
238	PARP1 is a versatile factor in the regulation of mRNA stability and decay. 2019 , 9, 3722		12
237	Alternative non-homologous end joining repair: a master regulator of genomic instability in cancer. 2019 , 2, 8-8		4
236	Telomerase and poly(ADP-ribose) polymerase-1 activity sensing based on the high fluorescence selectivity and sensitivity of TOTO-1 towards G bases in single-stranded DNA and poly(ADP-ribose). 2019 , 10, 3706-3714		25
235	Heat-Shock Protein 70-Mediated Heat Preconditioning Attenuates Hepatic Carbohydrate and Oxidative Disturbances in Rats With Type 1 Diabetes. 2019 , 43, 345-353		2
234	Bone marrow PARP1 mRNA levels predict response to treatment with 5-azacytidine in patients with myelodysplastic syndrome. 2019 , 98, 1383-1392		8
233	The non-homologous end-joining activity is required for Fanconi anemia fetal HSC maintenance. 2019 , 10, 114		3
232	Poly(ADP-ribosylation) of BRD7 by PARP1 confers resistance to DNA-damaging chemotherapeutic agents. 2019 , 20,		16

231	PARP Inhibitors as a Therapeutic Agent for Homologous Recombination Deficiency in Breast Cancers. 2019 , 8,		65
230	A new perspective on oxidation of DNA repair proteins and cancer. 2019 , 76, 60-69		20
229	Cellular Compartmentation and the Redox/Nonredox Functions of NAD. 2019 , 31, 623-642		24
228	MacroH2A1 Regulation of Poly(ADP-Ribose) Synthesis and Stability Prevents Necrosis and Promotes DNA Repair. 2019 , 40,		19
227	Caspase-7 uses RNA to enhance proteolysis of poly(ADP-ribose) polymerase 1 and other RNA-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21521-21528	11.5	12
226	Advances and perspectives of PARP inhibitors. 2019 , 8, 29		52
225	The Enigmatic Function of PARP1: From PARylation Activity to PAR Readers. 2019 , 8,		40
224	. 2019 ,		3
223	Poly(ADP-Ribose) Polymerase Inhibitors in Pancreatic Cancer: A New Treatment Paradigms and Future Implications. <i>Cancers</i> , 2019 , 11,	6.6	23
222	Poly (ADP-ribose) polymerase inhibitors combined with other small-molecular compounds for the treatment of ovarian cancer. 2019 , 30, 554-561		2
221	Niacin deficiency modulates genes involved in cancer: Are smokers at higher risk?. 2019 , 120, 232-242		5
220	PARP1 Suppresses the Transcription of PD-L1 by Poly(ADP-Ribosyl)ating STAT3. 2019 , 7, 136-149		41
219	Elevated histone H3 acetylation and loss of the Sp1-HDAC1 complex de-repress the GM2-synthase gene in renal cell carcinoma. 2019 , 294, 1005-1018		14
218	Regulating Immunity via ADP-Ribosylation: Therapeutic Implications and Beyond. 2019 , 40, 159-173		33
217	siRNA-Conjugated Nanoparticles to Treat Ovarian Cancer. 2019 , 24, 137-150		16
216	Induction of apoptosis in MDA-MB-231 breast cancer cells by a PARP1-targeting PROTAC small molecule. 2019 , 55, 369-372		67
215	Gastroprotective effect of araloside A on ethanol- and aspirin-induced gastric ulcer in mice: involvement of H/K-ATPase and mitochondrial-mediated signaling pathway. 2019 , 73, 339-352		16
214	Additional functions of selected proteins involved in DNA repair. 2020 , 146, 1-15		6

213	ADP-Ribosylation Levels and Patterns Correlate with Gene Expression and Clinical Outcomes in Ovarian Cancers. 2020 , 19, 282-291		14
212	Cell Death and Autoimmune Disease. 2020 , 291-303		
211	Targeting cervical cancer: Is there a role for poly (ADP-ribose) polymerase inhibition?. 2020 , 235, 5050-5058		11
210	Glucagon-like peptide-1 suppresses neuroinflammation and improves neural structure. 2020 , 152, 104615		24
209	Poly(ADP-ribose) polymerase enzymes and the maintenance of genome integrity. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 19-33	10.3	32
208	Ru(II)-Based Amino Acid Complexes Show Promise for Leukemia Treatment: Cytotoxicity and Some Light on their Mechanism of Action. 2020 , 197, 123-131		2
207	Total triterpenes from the fruits of <i>Chaenomeles speciosa</i> (Sweet) Nakai protects against indomethacin-induced gastric mucosal injury: involvement of TFF1-mediated EGF/EGFR and apoptotic pathways. 2020 , 72, 409-423		5
206	Multifaceted Role of PARP-1 in DNA Repair and Inflammation: Pathological and Therapeutic Implications in Cancer and Non-Cancer Diseases. 2019 , 9,		62
205	Role of PARP-catalyzed ADP-ribosylation in the Crosstalk Between DNA Strand Breaks and Epigenetic Regulation. 2019 , 432, 1769-1769		6
204	Design and pharmaceutical applications of proteolysis-targeting chimeric molecules. 2020 , 182, 114211		5
203	Decoding the rosetta stone of mitonuclear communication. 2020 , 161, 105161		9
202	Genetically Encoded Fluorescent Sensor for Poly-ADP-Ribose. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
201	The DNA damage response pathway as a land of therapeutic opportunities for colorectal cancer. 2020 , 31, 1135-1147		27
200	microRNAs Biogenesis, Functions and Role in Tumor Angiogenesis. 2020 , 10, 581007		37
199	Combinatorial Therapy of High Dose Vitamin C and PARP Inhibitors in DNA Repair Deficiency: A Series of 8 Patients. 2020 , 19, 1534735420969812		4
198	Design, Synthesis, and Characterization of an Orally Active Dual-Specific ULK1/2 Autophagy Inhibitor that Synergizes with the PARP Inhibitor Olaparib for the Treatment of Triple-Negative Breast Cancer. 2020 , 63, 14609-14625		5
197	The emerging role of PARP inhibitors in prostate cancer. 2020 , 20, 715-726		2
196	The ups and downs of Poly(ADP-ribose) Polymerase-1 inhibitors in cancer therapy-Current progress and future direction. <i>European Journal of Medicinal Chemistry</i> , 2020 , 203, 112570	6.8	14

195	Redox Imbalance and Oxidative DNA Damage During Isoniazid Treatment of HIV-Associated Tuberculosis: A Clinical and Translational Pharmacokinetic Study. 2020 , 11, 1103		0
194	Inhibitors of DNA double-strand break repair at the crossroads of cancer therapy and genome editing. 2020 , 182, 114195		5
193	Poly (ADP-Ribose) Polymerase Inhibitor Treatment as a Novel Therapy Attenuating Renal Ischemia-Reperfusion Injury. 2020 , 11, 564288		4
192	Role of Poly [ADP-ribose] Polymerase 1 in Activating the () Gene in Response to Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
191	PARP Inhibitors: Clinical Relevance, Mechanisms of Action and Tumor Resistance. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 564601	5.7	100
190	Combining PARP Inhibition with Platinum, Ruthenium or Gold Complexes for Cancer Therapy. 2020 , 15, 2121-2135		9
189	PARP Theranostic Auger Emitters Are Cytotoxic in BRCA Mutant Ovarian Cancer and Viable Tumors from Ovarian Cancer Patients Enable Ex-Vivo Screening of Tumor Response. <i>Molecules</i> , 2020 , 25,	4.8	5
188	The chromatin remodeler ALC1 underlies resistance to PARP inhibitor treatment. 2020 , 6,		33
187	Neuroprotective Effects of Activated Protein C Involve the PARP/AIF Pathway against Oxygen-Glucose Deprivation in SH-SY5Y Cells. 2020 , 10,		1
186	PARP inhibitors as a new therapeutic option in metastatic prostate cancer: a systematic review. 2020 , 23, 549-560		23
185	Role of PARP1 regulation in radiation-induced rescue effect. 2020 , 61, 352-367		6
184	Exploiting the Prevalence of Homologous Recombination Deficiencies in High-Grade Serous Ovarian Cancer. <i>Cancers</i> , 2020 , 12,	6.6	4
183	PXR-mediated idiosyncratic drug-induced liver injury: mechanistic insights and targeting approaches. 2020 , 16, 711-722		3
182	Cisplatin nephrotoxicity is induced via poly(ADP-ribose) polymerase activation in adult zebrafish and mice. 2020 , 318, R843-R854		3
181	Single-Particle Assay of Poly(ADP-ribose) Polymerase-1 Activity with Dark-Field Optical Microscopy. 2020 , 5, 1198-1206		9
180	Poly(ADP-Ribose)Polymerase (PARP) Inhibitors and Radiation Therapy. 2020 , 11, 170		29
179	The Modified Phenanthridine PJ34 Unveils an Exclusive Cell-Death Mechanism in Human Cancer Cells. <i>Cancers</i> , 2020 , 12,	6.6	1
178	Tumors defective in homologous recombination rely on oxidative metabolism: relevance to treatments with PARP inhibitors. 2020 , 12, e11217		13

177	Exploiting MYC-induced PARPness to target genomic instability in multiple myeloma. 2021 , 106, 185-195		19
176	Molecular Mechanism of Selective Binding of NMS-P118 to PARP-1 and PARP-2: A Computational Perspective. 2020 , 7, 50		8
175	Poly(ADP-ribose) metabolism in human parasitic protozoa. 2020 , 208, 105499		0
174	PARP1-DNMT1-CTCF complex and the apoptotic-induced factor mRNA expressions in workers occupationally exposed to benzene. 2020 , 27, 22648-22657		1
173	The multifaceted role of PARP1 in RNA biogenesis. 2021 , 12, e1617		11
172	Export Control: Post-transcriptional Regulation of the COPII Trafficking Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 618652	5.7	0
171	Sirtuins and aging. 2021 , 49-77		
170	Dynamics of the HD regulatory subdomain of PARP-1; substrate access and allostery in PARP activation and inhibition. 2021 , 49, 2266-2288		7
169	The role of PARP1 in neurodegenerative diseases and aging. 2021 ,		20
168	Response prediction biomarkers and drug combinations of PARP inhibitors in prostate cancer. 2021 , 42, 1970-1980		0
167	Arabidopsis sirtuins and poly(ADP-ribose) polymerases regulate gene expression in the day but do not affect circadian rhythms. 2021 , 44, 1451-1467		1
166	Alternative Non-Homologous End-Joining: Error-Prone DNA Repair as Cancer's Achilles Heel. <i>Cancers</i> , 2021 , 13,	6.6	7
165	Impact of the Cellular Zinc Status on PARP-1 Activity and Genomic Stability in HeLa S3 Cells. 2021 , 34, 839-848		1
164	Modeling DNA trapping of anticancer therapeutic targets using missense mutations identifies dominant synthetic lethal interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
163	Identification of therapeutic targets of the hijacked super-enhancer complex in EVI1-rearranged leukemia. 2021 , 35, 3127-3138		4
162	Natural killer cells contributed to recurrent miscarriage by SP1-CASP3-PARP1. 2021 , 93, 107424		0
161	Regulation of Ribosome Function by RNA Modifications in Hematopoietic Development and Leukemia: It Is Not Only a Matter of mA. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
160	Queuine Is a Nutritional Regulator of <i>Entamoeba histolytica</i> Response to Oxidative Stress and a Virulence Attenuator. 2021 , 12,		5

159	Role of PARP1 in oligodendrocyte differentiation during developmental myelination and remyelination after myelin damage.		
158	Discovery of novel and potent PARP/PI3K dual inhibitors for the treatment of cancer. <i>European Journal of Medicinal Chemistry</i> , 2021 , 217, 113357	6.8	5
157	Sirtuin 6 is a regulator of dendrite morphogenesis in rat hippocampal neurons. 2021 , 145, 104959		3
156	PARP Inhibitors: An Innovative Approach to the Treatment of Inflammation and Metabolic Disorders in Sepsis. 2021 , 14, 1827-1844		6
155	Characterization of PARP6 Function in Knockout Mice and Patients with Developmental Delay. 2021 , 10,		2
154	Systematic comparison of ligand-based and structure-based virtual screening methods on poly (ADP-ribose) polymerase-1 inhibitors. 2021 , 22,		1
153	Poly adenosine diphosphate-ribosylation, a promising target for colorectal cancer treatment. 2021 , 13, 574-588		1
152	Structure and dynamics of the chromatin remodeler ALC1 bound to a PARylated nucleosome.		0
151	Minor Intron Splicing from Basic Science to Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
150	2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)-Inducible Poly-ADP-Ribose Polymerase (TIPARP/PARP7) Catalytic Mutant Mice (TiparpH532A) Exhibit Increased Sensitivity to TCDD-Induced Hepatotoxicity and Lethality. 2021 , 183, 154-169		1
149	PARP inhibition promotes ferroptosis via repressing SLC7A11 and synergizes with ferroptosis inducers in BRCA-proficient ovarian cancer. 2021 , 42, 101928		33
148	Analysis of Adaptive Olaparib Resistance Effects on Cisplatin Sensitivity in Triple Negative Breast Cancer Cells. 2021 , 11, 694793		2
147	Investigational Drug Treatments for Triple-Negative Breast Cancer. 2021 , 11,		3
146	Copy number analyses of DNA repair genes reveal the role of poly(ADP-ribose) polymerase (PARP) in tree longevity. 2021 , 24, 102779		3
145	Cisplatin Resistance and Redox-Metabolic Vulnerability: A Second Alteration. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
144	Monodentately-coordinated bioactive moieties in multimodal half-sandwich organoruthenium anticancer agents. 2021 , 439, 213890		17
143	BRCA mutations in pancreatic cancer and progress in their targeting. 2021 , 25, 547-557		3
142	Studying PAR-Dependent Chromatin Remodeling to Tackle PARPi Resistance. 2021 , 27, 630-642		3

141	BRCAness as a Biomarker of Susceptibility to PARP Inhibitors in Glioblastoma Multiforme. 2021 , 11,		1
140	Programmed Non-Apoptotic Cell Death in Hereditary Retinal Degeneration: Crosstalk between cGMP-Dependent Pathways and PARthanatos?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
139	Poly(ADP-ribose) polymerase inhibitor [PJ34] protects against UVA-induced oxidative damage in corneal endothelium. 2021 , 26, 600-611		
138	Structure and dynamics of the chromatin remodeler ALC1 bound to a PARylated nucleosome. 2021 , 10,		4
137	Deficiency of PARP-1 and PARP-2 in the mouse uterus results in decidualization failure and pregnancy loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	0
136	PARP1 as a therapeutic target in acute myeloid leukemia and myelodysplastic syndrome. 2021 , 5, 4794-4805		0
135	San1 deficiency leads to cardiomyopathy due to excessive R-loop-associated DNA damage and cardiomyocyte hypoplasia. 2021 , 1867, 166237		1
134	PARPs in lipid metabolism and related diseases. 2021 , 84, 101117		9
133	PARP1 as a Marker of an Aggressive Clinical Phenotype in Cutaneous Melanoma-A Clinical and an In Vitro Study. 2021 , 10,		3
132	Ex Vivo Investigation of Bexarotene and Nicotinamide Function as a Protective Agent on Rat Synaptosomes Treated with A β (1-42). 2021 , 46, 804-818		1
131	Identifying Direct Protein Targets of Poly-ADP-Ribose Polymerases (PARPs) Using Engineered PARP Variants-Orthogonal Nicotinamide Adenine Dinucleotide (NAD ⁺) Analog Pairs. 2015 , 7, 121-39		13
130	Transcription Through Chromatin. 2014 , 427-489		2
129	Accurate measurement of nicotinamide adenine dinucleotide (NAD ⁺) with high-performance liquid chromatography. 2013 , 1077, 203-15		51
128	Functional Interplay between Histone H2B ADP-Ribosylation and Phosphorylation Controls Adipogenesis. <i>Molecular Cell</i> , 2020 , 79, 934-949.e14	17.6	16
127	Poly(ADP-ribose) polymerase-1 silences retroviruses independently of viral DNA integration or heterochromatin formation. 2016 , 97, 1686-1692		8
126	Redox imbalance and oxidative DNA damage during isoniazid treatment: A clinical and translational pharmacokinetic study.		1
125	Queuine is a nutritional regulator of <i>Entamoeba histolytica</i> response to oxidative stress and a virulence attenuator.		1
124	Transcriptional landscape of DNA repair genes underpins a pan-cancer prognostic signature associated with cell cycle dysregulation and tumor hypoxia.		4

123	Systems analysis of the prostate tumor suppressor NKX3.1 supports roles in DNA repair and luminal cell differentiation. 2014 , 3, 115	9
122	Cell Based Assays: the Cell Cycle, Cell Proliferation and Cell Death. <i>Materials and Methods</i> , 3,	5
121	Sam68 Is Required for DNA Damage Responses via Regulating Poly(ADP-ribosyl)ation. 2016 , 14, e1002543	11
120	Small fragment homologous replacement: evaluation of factors influencing modification efficiency in an eukaryotic assay system. 2012 , 7, e30851	4
119	Genome-Wide Profiling of PARP1 Reveals an Interplay with Gene Regulatory Regions and DNA Methylation. 2015 , 10, e0135410	35
118	Identification of Genetic Associations and Functional Polymorphisms of SAA1 Gene Affecting Milk Production Traits in Dairy Cattle. 2016 , 11, e0162195	5
117	Individual and Combined Expression of DNA Damage Response Molecules PARP1, H2AX, BRCA1, and BRCA2 Predict Shorter Survival of Soft Tissue Sarcoma Patients. 2016 , 11, e0163193	14
116	Identification of relevant drugable targets in diffuse large B-cell lymphoma using a genome-wide unbiased CD20 guilt-by association approach. 2018 , 13, e0193098	14
115	Ewing sarcoma protein promotes dissociation of poly(ADP-ribose) polymerase 1 from chromatin. 2020 , 21, e48676	3
114	Interference between PARPs and SIRT1: a novel approach to healthy ageing?. 2011 , 3, 543-7	41
113	PARP3 controls TGF β and ROS driven epithelial-to-mesenchymal transition and stemness by stimulating a TG2-Snail-E-cadherin axis. 2016 , 7, 64109-64123	51
112	Poly(ADP-ribosyl)ation is involved in the epigenetic control of TET1 gene transcription. 2014 , 5, 10356-67	29
111	The NAD salvage pathway and PKC-mediated signaling influence localized PARP-1 activity and CTCF Poly(ADP)ribosylation. 2017 , 8, 64698-64713	7
110	A microRNA-dependent circuit controlling p63/p73 homeostasis: p53 family cross-talk meets therapeutic opportunity. 2011 , 2, 259-64	44
109	PARP1 is required for preserving telomeric integrity but is dispensable for A-NHEJ. 2018 , 9, 34821-34837	10
108	TNKS1BP1 functions in DNA double-strand break repair though facilitating DNA-PKcs autophosphorylation dependent on PARP-1. 2015 , 6, 7011-22	21
107	PARP inhibitor ABT-888 affects response of MDA-MB-231 cells to doxorubicin treatment, targeting Snail expression. 2015 , 6, 15008-21	25
106	5mC-hydroxylase activity is influenced by the PARylation of TET1 enzyme. 2015 , 6, 24333-47	36

105	DNA damage-induced nuclear factor-kappa B activation and its roles in cancer progression. 2017 , 3, 45-59	40
104	Targeting microglial activation in stroke therapy: pharmacological tools and gender effects. 2014 , 21, 2146-55	58
103	Combination Platinum-based and DNA Damage Response-targeting Cancer Therapy: Evolution and Future Directions. 2017 , 24, 1586-1606	61
102	Beneficial Role of Coffee and Caffeine in Neurodegenerative Diseases: A Minireview. 2016 , 3, 407-422	16
101	Novel mutations of the PARP-1 gene associated with colorectal cancer in the Saudi population. 2014 , 15, 3667-73	5
100	In vivo visualization of mono-ADP-ribosylation by dPARP16 upon amino-acid starvation. 2016 , 5,	32
99	The role of patient-derived ovarian cancer organoids in the study of PARP inhibitors sensitivity and resistance: from genomic analysis to functional testing. 2021 , 40, 338	3
98	Development of New Cancer Treatment by Identifying and Focusing the Genetic Mutations or Altered Expression in Gynecologic Cancers. <i>Genes</i> , 2021 , 12,	4.2 0
97	Poly (ADP-Ribose) Polymerase 1 Regulates Cajal-Retzius Cell Development and Neural Precursor Cell Adhesion. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 693595	5.7 1
96	Therapeutic resistance in pancreatic ductal adenocarcinoma: Current challenges and future opportunities. <i>World Journal of Gastroenterology</i> , 2021 , 27, 6527-6550	5.6 3
95	Poly(ADP) Ribose Polymerase at the Interface of DNA Damage Signaling and DNA Repair. 2013 , 167-186	
94	IONIZING RADIATION. 2013 , 111-112	
93	Targeted Molecular Therapy for Patients with Ovarian Cancer. 2014 , 199-222	
92	Regulation of Chromatin Structure and Function by PARP-1 and ADP-Ribosylation. 2014 , 309-339	
91	Necroptosis, a Potential Therapeutic Target for Neurological Disorders. 2014 , 69-93	0
90	Encyclopedia of Immunotoxicology. 2014 , 1-9	
89	Improving the Therapeutic Ratio of Radiotherapy by Targeting the DNA Damage Response. <i>Cancer Drug Discovery and Development</i> , 2017 , 1-34	0.3 2
88	Serum-dependent and independent regulation of PARP2.	

87	Apoptosis Assays. <i>Materials and Methods</i> , 9,		
86	Dynamics of the HD regulatory subdomain of PARP-1; substrate access and allostery in PARP activation and inhibition.		
85	Structure-based design, synthesis, and evaluation of inhibitors with high selectivity for PARP-1 over PARP-2. <i>European Journal of Medicinal Chemistry</i> , 2022 , 227, 113898	6.8	3
84	Inhibiting Src-mediated PARP1 tyrosine phosphorylation confers synthetic lethality to PARP1 inhibition in HCC. <i>Cancer Letters</i> , 2021 , 526, 180-192	9.9	1
83	The Effect of Casein Kinase 2 Inhibition on three Leukemic Cell Lines. <i>Current Drug Therapy</i> , 2020 , 15, 209-215	0.7	
82	The ups and downs of DNA repair biomarkers for PARP inhibitor therapies. <i>American Journal of Cancer Research</i> , 2011 , 1, 301-327	4.4	23
81	Poly (ADP-Ribose) polymerase inhibitor MK-4827 together with radiation as a novel therapy for metastatic neuroblastoma. <i>Anticancer Research</i> , 2013 , 33, 755-62	2.3	20
80	The intersection between DNA damage response and cell death pathways. <i>Experimental Oncology</i> , 2012 , 34, 243-54	0.8	139
79	Iron overload inhibits cell proliferation and promotes autophagy via PARP1/SIRT1 signaling in endometriosis and adenomyosis. <i>Toxicology</i> , 2021 , 465, 153050	4.4	0
78	High Poly(ADP-Ribose) Polymerase Expression Does Relate to Poor Survival in Solid Cancers: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021 , 13,	6.6	1
77	NAD Metabolism and Diseases with Motor Dysfunction. <i>Genes</i> , 2021 , 12,	4.2	1
76	Mechanisms of Nucleosome Reorganization by PARP1. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
75	Pleiotropic role of PARP1: an overview.. <i>3 Biotech</i> , 2022 , 12, 3	2.8	0
74	Design, synthesis, anticancer activity and mechanism studies of novel 2-amino-4-aryl-pyrimidine derivatives of ursolic acid. <i>New Journal of Chemistry</i> ,	3.6	1
73	PARP inhibitor BMN-673 induced apoptosis by trapping PARP-1 and inhibiting base excision repair via modulation of pol- η in chromatin of breast cancer cells.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 436, 115860	4.6	0
72	Design and Activity of Novel Oxadiazole Based Compounds That Target Poly(ADP-ribose) Polymerase.. <i>Molecules</i> , 2022 , 27,	4.8	0
71	Targeting PARP proteins in acute leukemia: DNA damage response inhibition and therapeutic strategies.. <i>Journal of Hematology and Oncology</i> , 2022 , 15, 10	22.4	2
70	Reduced Colonic Mucosal Injury in 2,3,7,8-Tetrachlorodibenzo--Dioxin Poly ADP-Ribose Polymerase (TIPARP/PARP7)-Deficient Mice.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	0

69	Virus-Host Interplay Between Poly (ADP-Ribose) Polymerase 1 and Oncogenic Gammaherpesviruses.. <i>Frontiers in Microbiology</i> , 2021 , 12, 811671	5.7	0
68	The key players of parthanatos: opportunities for targeting multiple levels in the therapy of parthanatos-based pathogenesis.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 60	10.3	4
67	The role of PARP inhibitors in gastrointestinal cancers.. <i>Critical Reviews in Oncology/Hematology</i> , 2022 , 103621	7	0
66	Transient changes to metabolic homeostasis initiate mitochondrial adaptation to endurance exercise.. <i>Seminars in Cell and Developmental Biology</i> , 2022 ,	7.5	0
65	Artificial Digestion of Polydisperse Copper Oxide Nanoparticles: Investigation of Effects on the Human In Vitro Intestinal Co-Culture Model Caco-2/HT29-MTX.. <i>Toxics</i> , 2022 , 10,	4.7	0
64	The expanding universe of PARP1-mediated molecular and therapeutic mechanisms.. <i>Molecular Cell</i> , 2022 ,	17.6	4
63	Profiling of the ADP-Ribosylome in Living Cells. <i>Angewandte Chemie</i> ,	3.6	0
62	Profiling of the ADP-Ribosylome in Living Cells.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
61	Poly (ADP-ribose) polymerase 1-mediated defective mitophagy contributes to painful diabetic neuropathy in the db/db model.. <i>Journal of Neurochemistry</i> , 2022 ,	6	
60	The PARP1 Inhibitor Niraparib Represses DNA Damage Repair and Synergizes with Temozolomide for Antimyeloma Effects.. <i>Journal of Oncology</i> , 2022 , 2022, 2800488	4.5	
59	PARP Inhibition in Advanced Prostate Cancer.. <i>Cancer Journal (Sudbury, Mass)</i> , 2021 , 27, 457-464	2.2	0
58	TSG101 Associates with PARP1 and is Essential for PARylation and DNA Damage-induced NF-B Activation.		
57	PKD-dependent PARP12-catalyzed mono-ADP-ribosylation of Golgin-97 is required for E-cadherin transport from Golgi to plasma membrane.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
56	Targeting DNA repair pathway in cancer: Mechanisms and clinical application.. <i>MedComm</i> , 2021 , 2, 654-691	6.1	3
55	Age-Dependent Decline of NAD-Universal Truth or Confounded Consensus?. <i>Nutrients</i> , 2021 , 14,	6.7	2
54	PAR recognition by multiple reader domains of PARP1 allosterically regulates the DNA-dependent activities and independently stimulates the catalytic activity of PARP1.		
53	Image_1.pdf. 2020 ,		
52	DataSheet_1.docx. 2020 ,		

51 Image_1.TIFF. 2018,

50 Image_2.TIFF. 2018,

49 Table_1.DOCX. 2018,

48 Design and synthesis of benzodiazepines as brain penetrating PARP-1 inhibitors.. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2022, 37, 952-972 5.6 0

47 Design, Synthesis, and Bioactivity Study on Lissodendrins B Derivatives as Parp1 Inhibitor. *SSRN Electronic Journal*, 1

46 Oncohistone Mutations Occur at Functional Sites of Regulatory ADP-ribosylation.. *Cancer Research*, 2022, 10.1 1

45 Redox status of the plant cell determines epigenetic modifications under abiotic stress conditions and during developmental processes. *Journal of Advanced Research*, 2022, 13 1

44 Impact of anthocyanin on genetic stability in mammary adenocarcinoma-induced mice treated with methotrexate.. *Genes and Nutrition*, 2022, 17, 6 4.3

43 Proteolysis-targeting chimeras: A promising technique in cancer therapy for gaining insights into tumor development.. *Cancer Letters*, 2022, 215716 9.9 2

42 Drosophila insulator proteins exhibit in-vivo liquid-liquid phase separation properties. 0

41 Anti-Inflammatory, Anti-Apoptotic, and Antioxidant Roles of Honey, Royal Jelly, and Propolis in Suppressing Nephrotoxicity Induced by Doxorubicin in Male Albino Rats. *Antioxidants*, 2022, 11, 1029 7.1 0

40 Proteome-wide microarray-based screening of PAR-binding proteins.

39 Design, synthesis, and bioactivity study on Lissodendrins B derivatives as PARP1 inhibitor. *Bioorganic and Medicinal Chemistry*, 2022, 116892 3.4

38 Molecular Link between DNA Damage Response and Microtubule Dynamics. *International Journal of Molecular Sciences*, 2022, 23, 6986 6.3 1

37 In vitro Model Systems for Studies Into Retinal Neuroprotection. *Frontiers in Neuroscience*, 16, 5.1 0

36 MicroRNA-21 promotes epithelial-mesenchymal transition and migration of human bronchial epithelial cells by targeting poly (ADP-ribose) polymerase-1 and activating PI3K/AKT signaling. *Korean Journal of Physiology and Pharmacology*, 2022, 26, 239-253 1.8 0

35 PARP inhibitors in small cell lung cancer: The underlying mechanisms and clinical implications. *Biomedicine and Pharmacotherapy*, 2022, 153, 113458 7.5 0

34 Germline genomic and phenomic landscape of clonal hematopoiesis in 323,112 individuals. 1

- 33 NUPR1 protects against hyperPARylation-dependent cell death. **2022**, 5, ○
- 32 *Drosophila* insulator proteins exhibit in vivo liquid-liquid phase separation properties. **2022**, 5, e202201536 ○
- 31 Centrosome Clustering & Chemotherapy. **2022**, 22, ○
- 30 PARP1 inhibition elicits immune responses against non-small cell lung cancer. **2022**, 11, ○
- 29 Triple negative breast cancer: approved treatment options and their mechanisms of action. 1
- 28 Balancing NAD⁺ deficits with nicotinamide riboside: therapeutic possibilities and limitations. **2022**, 79, 1
- 27 Improving PARP inhibitor efficacy in high-grade serous ovarian carcinoma: A focus on the immune system. 13, 1
- 26 A Double-Edged Sword: The Two Faces of PARylation. **2022**, 23, 9826 2
- 25 TSG101 associates with PARP1 and is essential for PARylation and DNA damage-induced NF- κ B activation. ○
- 24 Integrative Single Cell Multiomic Profiling Analysis Reveals HOX-PBX Gene Regulatory Network Contributing to the Survival of mTOR Hyperactive Cells. ○
- 23 A two-step mechanism governing PARP1-DNA retention by PARP inhibitors. **2022**, 8, 2
- 22 In silico Validation of Selected Natural Products as Multi-regulator of EZH2-PPAR Therapeutic Targets; A Hallmark for Prospective Restoration of Pancreatic Insulin Production and Cancer dysregulation. ○
- 21 Targeted Molecular Therapy for Ovarian Cancer Patients. **2022**, 179-203 ○
- 20 Nimbolide Targets RNF114 to Induce the Trapping of PARP1 and Poly-ADP-Ribosylation-Dependent DNA Repair Factors. ○
- 19 Emerging long noncoding RNA polymorphisms as novel predictors of survival in cancer. **2022**, 239, 154165 ○
- 18 Role of PARP Inhibitors in Cancer Immunotherapy: Potential Friends to Immune Activating Molecules and Foes to Immune Checkpoints. **2022**, 14, 5633 ○
- 17 Clinical Application of Poly(ADP-ribose) Polymerase (PARP) Inhibitors in Prostate Cancer. **2022**, 14, 5922 ○
- 16 Defektif Homolog Rekombinasyon DNA Tamiri ve PARP İhhibisyonu Arasındaki Sentetik Letal Etkilem. 2459-2475 ○

- 15 PARP-1 genetic polymorphism associated with radiation sensitivity of non-small cell lung cancer. 28, ○
- 14 Impact of Asp/Glu-ADP-ribosylation on protein-protein interaction and protein function. 2200083 ○
- 13 The potential of PARP inhibitors in targeted cancer therapy and immunotherapy. 9, ○
- 12 PARP inhibition induces synthetic lethality and adaptive immunity in LKB1-mutant lung cancer. ○
- 11 Role of poly(ADP-ribose) polymerase-1 in regulating human islet cell differentiation. **2022**, 12, ○
- 10 Decoding Beneficial Plant Microbe Association with Latest Techniques for Sustainable Agriculture. **2023**, 227-244 ○
- 9 Discovery of a potent olaparib+hlorambucil hybrid inhibitor of PARP1 for the treatment of cancer. 13, ○
- 8 Roles of trans-lesion synthesis (TLS) DNA polymerases in tumorigenesis and cancer therapy. **2023**, 5, 1
- 7 PARP1 Regulates Circular RNA Biogenesis through Control of Transcriptional Dynamics. **2023**, 12, 1160 ○
- 6 Expression of poly(Adenosine Diphosphate-Ribose) polymerase protein in breast cancer. **2022**, 13, 213 ○
- 5 Radiotherapy, PARP Inhibition, and Immune-Checkpoint Blockade: A Triad to Overcome the Double-Edged Effects of Each Single Player. **2023**, 15, 1093 ○
- 4 Venadaparib Is a Novel and Selective PARP Inhibitor with Improved Physicochemical Properties, Efficacy, and Safety. **2023**, 22, 333-342 ○
- 3 A Molecular Mechanism to Explain the Nickel-Induced Changes in Protamine-like Proteins and Their DNA Binding Affecting Sperm Chromatin in *Mytilus galloprovincialis*: An In Vitro Study. **2023**, 13, 520 ○
- 2 Triumphs and challenges in exploiting poly(ADP-ribose) polymerase inhibition to combat triple-negative breast cancer. ○
- 1 Exploring the therapeutic potential of ADC combination for triple-negative breast cancer. ○