

Peter Droge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/214026/publications.pdf>

Version: 2024-02-01

58
papers

1,939
citations

236925

25
h-index

265206

42
g-index

59
all docs

59
docs citations

59
times ranked

1923
citing authors

#	ARTICLE	IF	CITATIONS
1	A bacterial enhancer functions to tether a transcriptional activator near a promoter. <i>Science</i> , 1990, 248, 486-490.	12.6	211
2	Transactivation of the <i>Xenopus</i> rRNA gene promoter by its enhancer. <i>Nature</i> , 1989, 341, 657-659.	27.8	115
3	The High Mobility Group Protein HMGA2: A Co-Regulator of Chromatin Structure and Pluripotency in Stem Cells?. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 224-230.	5.6	106
4	Site selectivity of platinum anticancer therapeutics. <i>Nature Chemical Biology</i> , 2008, 4, 110-112.	8.0	83
5	Protein tracking-induced supercoiling of DNA: A tool to regulate DNA transactions in vivo?. <i>BioEssays</i> , 1994, 16, 91-99.	2.5	73
6	HMGA2 exhibits dRP/AP site cleavage activity and protects cancer cells from DNA-damage-induced cytotoxicity during chemotherapy. <i>Nucleic Acids Research</i> , 2009, 37, 4371-4384.	14.5	73
7	Human genomic Z-DNA segments probed by the Z α domain of ADAR1. <i>Nucleic Acids Research</i> , 2009, 37, 2737-2746.	14.5	65
8	DNA architectural factor and proto-oncogene HMGA2 regulates key developmental genes in pluripotent human embryonic stem cells. <i>FEBS Letters</i> , 2007, 581, 3533-3537.	2.8	58
9	High-level expression of DNA architectural factor HMGA2 and its association with nucleosomes in human embryonic stem cells. <i>Genesis</i> , 2006, 44, 523-529.	1.6	56
10	Transcription-induced conformational change in a topologically closed DNA domain. <i>Nucleic Acids Research</i> , 1991, 19, 2941-2946.	14.5	54
11	Transcription-driven site-specific DNA recombination in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 2759-2763.	7.1	54
12	High local protein concentrations at promoters: Strategies in prokaryotic and eukaryotic cells. <i>BioEssays</i> , 2001, 23, 179-183.	2.5	51
13	HMGA2 Inhibits Apoptosis through Interaction with ATR-CHK1 Signaling Complex in Human Cancer Cells. <i>Neoplasia</i> , 2013, 15, 263-271.	5.3	51
14	The human genome-wide distribution of DNA palindromes. <i>Functional and Integrative Genomics</i> , 2007, 7, 221-227.	3.5	46
15	Alternate rRNA secondary structures as regulators of translation. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 169-176.	8.2	44
16	Physical Organization of DNA by Multiple Non-Specific DNA-Binding Modes of Integration Host Factor (IHF). <i>PLoS ONE</i> , 2012, 7, e49885.	2.5	41
17	Site-specific recombination in human cells catalyzed by phage λ integrase mutants 1 E. Lorbach and N. Christ contributed equally to this work. 2 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 296, 1175-1181.	4.2	40
18	Recombination of knotted substrates by Tn3 resolvase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 6062-6066.	7.1	37

#	ARTICLE	IF	CITATIONS
19	Do Cells let-7 Determine Stemness?. <i>Cell Stem Cell</i> , 2008, 2, 8-9.	11.1	36
20	The two functional domains of gamma delta resolvase act on the same recombination site: implications for the mechanism of strand exchange.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5336-5340.	7.1	33
21	Chaperoning HMGA2 Protein Protects Stalled Replication Forks in Stem and Cancer Cells. <i>Cell Reports</i> , 2014, 6, 684-697.	6.4	33
22	A UTF1 -based selection system for stable homogeneously pluripotent human embryonic stem cell cultures. <i>Nucleic Acids Research</i> , 2007, 35, e118.	14.5	31
23	Activation of site-specific DNA integration in human cells by a single chain integration host factor. <i>Nucleic Acids Research</i> , 2003, 31, 5140-5148.	14.5	29
24	Platform for in situ real-time measurement of protein-induced conformational changes of DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1397-1401.	7.1	29
25	Discovery of a Novel Mycobacterial F ₁ ATP Synthase Inhibitor and its Potency in Combination with Diarylquinolines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13295-13304.	13.8	28
26	Site-specific Recombination in Eukaryotic Cells Mediated by Mutant λ Integrases: Implications for Synaptic Complex Formation and the Reactivity of Episomal DNA Segments. <i>Journal of Molecular Biology</i> , 2002, 319, 305-314.	4.2	27
27	Long-range effects in a supercoiled DNA domain generated by transcription in vitro 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1997, 271, 499-510.	4.2	26
28	[6] Topological structure of DNA knots and catenanes. <i>Methods in Enzymology</i> , 1992, 212, 120-130.	1.0	25
29	Site-specific recombination in mammalian cells catalyzed by λ resolvase mutants: implications for the topology of episomal DNA. <i>FEBS Letters</i> , 2000, 471, 147-150.	2.8	23
30	Replication-induced supercoiling: a neglected DNA transaction regulator?. <i>Trends in Biochemical Sciences</i> , 2014, 39, 219-220.	7.5	22
31	Oncofetal HMGA2 effectively curbs unconstrained (+) and (Δ) DNA supercoiling. <i>Scientific Reports</i> , 2017, 7, 8440.	3.3	22
32	Stereochemical control of nucleosome targeting by platinum-intercalator antitumor agents. <i>Nucleic Acids Research</i> , 2015, 43, 5284-5296.	14.5	21
33	Altered directionality in the cre- loxP site-specific recombination pathway 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2001, 311, 453-459.	4.2	20
34	The resolvase encoded by <i>Xanthomonas campestris</i> transposable element ISXc5 constitutes a new subfamily closely related to DNA invertases. <i>Genes To Cells</i> , 1998, 3, 221-233.	1.2	19
35	A DNA-binding domain swap converts the invertase gin into a resolvase. <i>Journal of Molecular Biology</i> , 2000, 295, 767-775.	4.2	19
36	The influence of an alternate template conformation on elongating phage T7 RNA polymerase. <i>Nucleic Acids Research</i> , 1991, 19, 5301-5306.	14.5	18

#	ARTICLE	IF	CITATIONS
37	Comparative Analysis of Sequence-Specific DNA Recombination Systems in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2005, 23, 868-873.	3.2	17
38	A Divalent Metal-mediated Switch Controlling Protein-induced DNA Bending. <i>Journal of Molecular Biology</i> , 2007, 367, 731-740.	4.2	17
39	Induced Pluripotent Stem Cells: A New Approach for Physiological Research. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 105-124.	1.6	16
40	Insights into the Regulation of a Common Variant of HMGA2 Associated with Human Height During Embryonic Development. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 328-333.	5.6	15
41	The chromatin structuring protein HMGA2 influences human subtelomere stability and cancer chemosensitivity. <i>PLoS ONE</i> , 2019, 14, e0215696.	2.5	15
42	The RNA interactome of human telomerase RNA reveals a coding-independent role for a histone mRNA in telomere homeostasis. <i>ELife</i> , 2018, 7, .	6.0	15
43	Cell-based high-throughput compound screening reveals functional interaction between oncofetal HMGA2 and topoisomerase I. <i>Nucleic Acids Research</i> , 2016, 44, e162-e162.	14.5	14
44	Alterations in the directionality of λ site-specific recombination catalyzed by mutant integrases in vivo. <i>Journal of Molecular Biology</i> , 1999, 288, 825-836.	4.2	13
45	Conservative site-specific and single-copy transgenesis in human <i>LINE-1</i> elements. <i>Nucleic Acids Research</i> , 2016, 44, e55-e55.	14.5	12
46	Optimization of coliphage HK022 Integrase activity in human cells. <i>Gene</i> , 2009, 437, 9-13.	2.2	10
47	Probing into the Biological Processes Influenced by ESC Factor and Oncoprotein HMGA2 Using iPSCs. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 514-522.	5.6	10
48	Single-chain integration host factors as probes for high-precision nucleoprotein complex formation. <i>Gene</i> , 2004, 343, 99-106.	2.2	9
49	Use of UTF1 Genetic Control Elements as iPSC Reporter. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 523-530.	5.6	9
50	Oncofetal HMGA2 attenuates genotoxic damage induced by topoisomerase II target compounds through the regulation of local DNA topology. <i>Molecular Oncology</i> , 2019, 13, 2062-2078.	4.6	8
51	Recombination of nicked DNA knots by λ resolvase suggests a variant model for the mechanism of strand exchange. <i>Nucleic Acids Research</i> , 1992, 20, 6159-6166.	14.5	7
52	Utf1 contributes to intergenerational epigenetic inheritance of pluripotency. <i>Scientific Reports</i> , 2017, 7, 14612.	3.3	7
53	A novel λ integrase-mediated seamless vector transgenesis platform for therapeutic protein expression. <i>Nucleic Acids Research</i> , 2018, 46, e99-e99.	14.5	7
54	Quantitative characterization of conformational-specific protein-DNA binding using a dual-spectral interferometric imaging biosensor. <i>Nanoscale</i> , 2016, 8, 5587-5598.	5.6	6

#	ARTICLE	IF	CITATIONS
55	Use of site-specific recombination as a probe of nucleoprotein complex formation in chromatin. FEBS Journal, 2001, 268, 6256-6262.	0.2	4
56	Z-DNA-induced super-transport of energy within genomes. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 733-738.	2.6	4
57	Discovery of a Novel Mycobacterial F ₁ F ₀ ATP Synthase Inhibitor and its Potency in Combination with Diarylquinolines. Angewandte Chemie, 2020, 132, 13397-13406.	2.0	4
58	[22] Topoisomerase gel retardation: Protein recognition of torsional stress-induced DNA conformations. Methods in Enzymology, 1992, 212, 371-387.	1.0	1