

Derek J Richard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4712709/publications.pdf>

Version: 2024-02-01

116
papers

5,534
citations

101384

36
h-index

88477

70
g-index

126
all docs

126
docs citations

126
times ranked

9190
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination Therapy With Histone Deacetylase Inhibitors (HDACi) for the Treatment of Cancer: Achieving the Full Therapeutic Potential of HDACi. <i>Frontiers in Oncology</i> , 2018, 8, 92.	1.3	506
2	PARP Inhibitors: Clinical Relevance, Mechanisms of Action and Tumor Resistance. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 564601.	1.8	315
3	Generation and Characterisation of Cisplatin-Resistant Non-Small Cell Lung Cancer Cell Lines Displaying a Stem-Like Signature. <i>PLoS ONE</i> , 2013, 8, e54193.	1.1	221
4	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. <i>Nature</i> , 2008, 453, 677-681.	13.7	220
5	Functions and Therapeutic Roles of Exosomes in Cancer. <i>Frontiers in Oncology</i> , 2014, 4, 127.	1.3	210
6	Nucleophosmin: from structure and function to disease development. <i>BMC Molecular Biology</i> , 2016, 17, 19.	3.0	189
7	Recent Advances in Cancer Therapy Targeting Proteins Involved in DNA Double-Strand Break Repair. <i>Clinical Cancer Research</i> , 2009, 15, 6314-6320.	3.2	173
8	Circulating tumour cells, their role in metastasis and their clinical utility in lung cancer. <i>Lung Cancer</i> , 2012, 76, 19-25.	0.9	153
9	Phosphorylation of Exo1 modulates homologous recombination repair of DNA double-strand breaks. <i>Nucleic Acids Research</i> , 2010, 38, 1821-1831.	6.5	150
10	Identification of a BRCA1-mRNA Splicing Complex Required for Efficient DNA Repair and Maintenance of Genomic Stability. <i>Molecular Cell</i> , 2014, 54, 445-459.	4.5	146
11	The Cancer Stem-Cell Hypothesis: Its Emerging Role in Lung Cancer Biology and Its Relevance for Future Therapy. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1880-1890.	0.5	124
12	The role of DNA repair pathways in cisplatin resistant lung cancer. <i>Cancer Treatment Reviews</i> , 2014, 40, 1161-1170.	3.4	114
13	Chemotherapeutic Compounds Targeting the DNA Double-Strand Break Repair Pathways: The Good, the Bad, and the Promising. <i>Frontiers in Oncology</i> , 2014, 4, 86.	1.3	100
14	Transcriptional regulation in response to oxygen and nitrate of the operons encoding the [NiFe] hydrogenases 1 and 2 of <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 1999, 145, 2903-2912.	0.7	99
15	hSSB1 and hSSB2 Form Similar Multiprotein Complexes That Participate in DNA Damage Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 23525-23531.	1.6	98
16	Multiple human single-stranded DNA binding proteins function in genome maintenance: structural, biochemical and functional analysis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009, 44, 98-116.	2.3	96
17	BRCA1 Deficiency Exacerbates Estrogen-Induced DNA Damage and Genomic Instability. <i>Cancer Research</i> , 2014, 74, 2773-2784.	0.4	94
18	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. <i>Immunity</i> , 2016, 45, 333-345.	6.6	92

#	ARTICLE	IF	CITATIONS
19	The Emerging Role of Gas Plasma in Oncotherapy. Trends in Biotechnology, 2018, 36, 1183-1198.	4.9	89
20	Structure of Hjc, a Holliday junction resolvase, from Sulfolobus solfataricus. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5509-5514.	3.3	85
21	Human single-stranded DNA binding proteins are essential for maintaining genomic stability. BMC Molecular Biology, 2013, 14, 9.	3.0	85
22	Drug Discovery Approaches Utilizing Three-Dimensional Cell Culture. Assay and Drug Development Technologies, 2016, 14, 19-28.	0.6	85
23	INTS3 controls the hSSB1-mediated DNA damage response. Journal of Cell Biology, 2009, 187, 25-32.	2.3	80
24	Par4 is a coactivator for a splice isoform-specific transcriptional activation domain in WT1. Genes and Development, 2001, 15, 328-339.	2.7	76
25	A Novel Corepressor, BCoR-L1, Represses Transcription through an Interaction with CtBP. Journal of Biological Chemistry, 2007, 282, 15248-15257.	1.6	72
26	hSSB1 rapidly binds at the sites of DNA double-strand breaks and is required for the efficient recruitment of the MRN complex. Nucleic Acids Research, 2011, 39, 1692-1702.	6.5	70
27	hSSB1 interacts directly with the MRN complex stimulating its recruitment to DNA double-strand breaks and its endo-nuclease activity. Nucleic Acids Research, 2011, 39, 3643-3651.	6.5	70
28	Targeting BRAF mutations in non-small cell lung cancer. Translational Lung Cancer Research, 2019, 8, 1119-1124.	1.3	65
29	Vascular endothelial growth factor is an autocrine growth factor, signaling through neuropilin-1 in non-small cell lung cancer. Molecular Cancer, 2015, 14, 45.	7.9	64
30	Expression of CDCA3 Is a Prognostic Biomarker and Potential Therapeutic Target in Non-Small Cell Lung Cancer. Journal of Thoracic Oncology, 2017, 12, 1071-1084.	0.5	59
31	Rodent blood-stage Plasmodium survive in dendritic cells that infect naive mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11205-11210.	3.3	51
32	Physical and functional interaction of the archaeal single-stranded DNA-binding protein SSB with RNA polymerase. Nucleic Acids Research, 2004, 32, 1065-1074.	6.5	48
33	Human single-stranded DNA binding protein 1 (hSSB1/NABP2) is required for the stability and repair of stalled replication forks. Nucleic Acids Research, 2014, 42, 6326-6336.	6.5	48
34	Assessing Molecular Docking Tools to Guide Targeted Drug Discovery of CD38 Inhibitors. International Journal of Molecular Sciences, 2020, 21, 5183.	1.8	47
35	KrÄppel-associated Box (KRAB)-associated Co-repressor (KAP-1) Ser-473 Phosphorylation Regulates Heterochromatin Protein 1 ² (HP1 ²) Mobilization and DNA Repair in Heterochromatin. Journal of Biological Chemistry, 2012, 287, 28122-28131.	1.6	43
36	Substrate recognition and catalysis by the Holliday junction resolving enzyme Hje. Nucleic Acids Research, 2004, 32, 5442-5451.	6.5	41

#	ARTICLE	IF	CITATIONS
37	Barrier-to-autointegration factor 1 (Banf1) regulates poly [ADP-ribose] polymerase 1 (PARP1) activity following oxidative DNA damage. <i>Nature Communications</i> , 2019, 10, 5501.	5.8	40
38	Cell Metabolism and DNA Repair Pathways: Implications for Cancer Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 633305.	1.8	40
39	NÄstor-Guillermo Progeria Syndrome: a biochemical insight into Barrier-to-Autointegration Factor 1, alanine 12 threonine mutation. <i>BMC Molecular Biology</i> , 2014, 15, 27.	3.0	38
40	hSSB1 (NABP2/ OBFC2B) is required for the repair of 8-oxo-guanine by the hOGG1-mediated base excision repair pathway. <i>Nucleic Acids Research</i> , 2015, 43, 8817-8829.	6.5	37
41	Low frequency of CHEK2 1100delC allele in Australian multiple-case breast cancer families: functional analysis in heterozygous individuals. <i>British Journal of Cancer</i> , 2005, 92, 784-790.	2.9	36
42	ATM mediated phosphorylation of CHD4 contributes to genome maintenance. <i>Genome Integrity</i> , 2011, 2, 1.	1.0	35
43	Epithelial-to-Mesenchymal Transition Enhances Cancer Cell Sensitivity to Cytotoxic Effects of Cold Atmospheric Plasmas in Breast and Bladder Cancer Systems. <i>Cancers</i> , 2021, 13, 2889.	1.7	35
44	BRCA1 is an essential mediator of vinorelbineâ€induced apoptosis in mesothelioma. <i>Journal of Pathology</i> , 2012, 227, 200-208.	2.1	33
45	The Therapeutic Potential of DNA Damage Repair Pathways and Genomic Stability in Lung Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 1256.	1.3	33
46	Conformational flexibility revealed by the crystal structure of a crenarchaeal RadA. <i>Nucleic Acids Research</i> , 2005, 33, 1465-1473.	6.5	32
47	PARP inhibition induces BAX/BAKâ€independent synthetic lethality of BRCA1â€deficient nonâ€small cell lung cancer. <i>Journal of Pathology</i> , 2011, 224, 564-574.	2.1	32
48	hSSB1 (NABP2/OBFC2B) is regulated by oxidative stress. <i>Scientific Reports</i> , 2016, 6, 27446.	1.6	31
49	Senataxin controls meiotic silencing through ATR activation and chromatin remodeling. <i>Cell Discovery</i> , 2015, 1, 15025.	3.1	29
50	The structural basis of DNA binding by the single-stranded DNA-binding protein from <i>Sulfolobus solfataricus</i> . <i>Biochemical Journal</i> , 2015, 465, 337-346.	1.7	29
51	Epidermal Growth Factor Receptor (EGFR)-Mutated Non-Small-Cell Lung Cancer (NSCLC). <i>Pharmaceuticals</i> , 2020, 13, 273.	1.7	28
52	Involvement of Exo1b in DNA damage-induced apoptosis. <i>Nucleic Acids Research</i> , 2009, 37, 3452-3463.	6.5	26
53	A structural analysis of DNA binding by hSSB1 (NABP2/OBFC2B) in solution. <i>Nucleic Acids Research</i> , 2016, 44, 7963-7973.	6.5	26
54	Human single-stranded DNA binding protein 1 (hSSB1, OBFC2B), a critical component of the DNA damage response. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 121-128.	2.3	26

#	ARTICLE	IF	CITATIONS
55	High-Plex and High-Throughput Digital Spatial Profiling of Non-Small-Cell Lung Cancer (NSCLC). <i>Cancers</i> , 2020, 12, 3551.	1.7	26
56	SASH1 mediates sensitivity of breast cancer cells to chloropyramine and is associated with prognosis in breast cancer. <i>Oncotarget</i> , 2016, 7, 72807-72818.	0.8	26
57	Targeting NF- κ B-mediated inflammatory pathways in cisplatin-resistant NSCLC. <i>Lung Cancer</i> , 2019, 135, 217-227.	0.9	25
58	Stimulated Brillouin scattering of pulses in optical fibers. <i>Optics Express</i> , 2014, 22, 13351.	1.7	24
59	Sex Hormone Binding Globulin Modifies Testosterone Action and Metabolism in Prostate Cancer Cells. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-10.	0.6	24
60	Activation and cleavage of SASH1 by caspase-3 mediates an apoptotic response. <i>Cell Death and Disease</i> , 2016, 7, e2469-e2469.	2.7	22
61	Contribution of DEAF1 Structural Domains to the Interaction with the Breast Cancer Oncogene LMO4. <i>PLoS ONE</i> , 2012, 7, e39218.	1.1	21
62	Antiproton induced DNA damage: proton like in flight, carbon-ion like near rest. <i>Scientific Reports</i> , 2013, 3, 1770.	1.6	21
63	Tumor Hypoxia Drives Genomic Instability. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 626229.	1.8	21
64	WT1 interacts with MAD2 and regulates mitotic checkpoint function. <i>Nature Communications</i> , 2014, 5, 4903.	5.8	20
65	A distinct ssDNA/RNA binding interface in the Nsp9 protein from SARS-CoV-2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 176-185.	1.5	20
66	INT6/EIF3E Interacts with ATM and Is Required for Proper Execution of the DNA Damage Response in Human Cells. <i>Cancer Research</i> , 2012, 72, 2006-2016.	0.4	18
67	Genome Stability Pathways in Head and Neck Cancers. <i>International Journal of Genomics</i> , 2013, 2013, 1-19.	0.8	18
68	Circulating tumor cell clusters: Insights into tumour dissemination and metastasis. <i>Expert Review of Molecular Diagnostics</i> , 2020, 20, 1139-1147.	1.5	18
69	Deep Learning-Based Pan-Cancer Classification Model Reveals Tissue-of-Origin Specific Gene Expression Signatures. <i>Cancers</i> , 2022, 14, 1185.	1.7	18
70	Circulating Tumor Cells in Metastatic Breast Cancer: From Genome Instability to Metastasis. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 134.	1.6	17
71	Epigenetic Mechanisms in DNA Double Strand Break Repair: A Clinical Review. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 685440.	1.6	17
72	SASH1 is a prognostic indicator and potential therapeutic target in non-small cell lung cancer. <i>Scientific Reports</i> , 2020, 10, 18605.	1.6	16

#	ARTICLE	IF	CITATIONS
73	hSSB1 phosphorylation is dynamically regulated by DNA-PK and PPP-family protein phosphatases. DNA Repair, 2017, 54, 30-39.	1.3	15
74	A data-driven structural model of hSSB1 (NABP2/OBFC2B) self-oligomerization. Nucleic Acids Research, 2017, 45, 8609-8620.	6.5	14
75	Barrier-to-autointegration-factor (Banf1) modulates DNA double-strand break repair pathway choice via regulation of DNA-dependent kinase (DNA-PK) activity. Nucleic Acids Research, 2021, 49, 3294-3307.	6.5	13
76	Defining COMMD4 as an anti-cancer therapeutic target and prognostic factor in non-small cell lung cancer. British Journal of Cancer, 2020, 123, 591-603.	2.9	13
77	Inhaled Micro/Nanoparticulate Anticancer Drug Formulations: An Emerging Targeted Drug Delivery Strategy for Lung Cancers. Current Cancer Drug Targets, 2019, 19, 162-178.	0.8	13
78	Elevating CDCA3 levels in non-small cell lung cancer enhances sensitivity to platinum-based chemotherapy. Communications Biology, 2021, 4, 638.	2.0	12
79	DNA repair pathways and their therapeutic potential in lung cancer. Lung Cancer Management, 2014, 3, 159-173.	1.5	10
80	Advances in hormonal therapies for hormone naïve and castration-resistant prostate cancers with or without previous chemotherapy. Experimental Hematology and Oncology, 2015, 5, 15.	2.0	10
81	hSSB1 associates with and promotes stability of the BLM helicase. BMC Molecular Biology, 2017, 18, 13.	3.0	10
82	A Structural Perspective on the Regulation of Human Single-Stranded DNA Binding Protein 1 (hSSB1). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 441-446.	1.9	10
83	The structural details of the interaction of single-stranded DNA binding protein hSSB2 (NABP1/OBFC2A) with UV-damaged DNA. Proteins: Structure, Function and Bioinformatics, 2020, 88, 319-326.	1.5	10
84	Redox Regulation in the Base Excision Repair Pathway: Old and New Players as Cancer Therapeutic Targets. Current Medicinal Chemistry, 2020, 27, 1901-1921.	1.2	10
85	Spatiotemporal investigations of DNA damage repair using microbeams. Radiation Protection Dosimetry, 2011, 143, 340-343.	0.4	9
86	Novel insight into the composition of human single-stranded DNA-binding protein 1 (hSSB1)-containing protein complexes. BMC Molecular Biology, 2016, 17, 24.	3.0	9
87	Rearranged During Transfection Fusions in Non-Small Cell Lung Cancer. Cancers, 2019, 11, 620.	1.7	9
88	Digital Holographic Imaging as a Method for Quantitative, Live Cell Imaging of Drug Response to Novel Targeted Cancer Therapies. Methods in Molecular Biology, 2019, 2054, 171-183.	0.4	9
89	COMMD4 functions with the histone H2A-H2B dimer for the timely repair of DNA double-strand breaks. Communications Biology, 2021, 4, 484.	2.0	8
90	The Impact of Rare Human Variants on Barrier-To-Auto-Integration Factor 1 (Banf1) Structure and Function. Frontiers in Cell and Developmental Biology, 2021, 9, 775441.	1.8	8

#	ARTICLE	IF	CITATIONS
91	Crystallization and preliminary X-ray diffraction studies of Hje, a Holliday junction resolving enzyme from <i>Sulfolobus solfataricus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 171-173.	2.5	7
92	Promotion of a cancer-like phenotype, through chronic exposure to inflammatory cytokines and hypoxia in a bronchial epithelial cell line model. <i>Scientific Reports</i> , 2016, 6, 18907.	1.6	6
93	Identification of Proteins Deregulated by Platinum-Based Chemotherapy as Novel Biomarkers and Therapeutic Targets in Non-Small Cell Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 615967.	1.3	6
94	The identification of circulating tumour DNA using MassARRAY technology in non-small-cell lung cancer (NSCLC). <i>Lung Cancer</i> , 2021, 160, 73-77.	0.9	6
95	hSSB2 (NABP1) is required for the recruitment of RPA during the cellular response to DNA UV damage. <i>Scientific Reports</i> , 2021, 11, 20256.	1.6	6
96	Fiber amplifier based UV laser source. , 2009, , .		5
97	24P CDCA3 regulates the cell cycle and modulates cisplatin sensitivity in non-small cell lung cancer. <i>Journal of Thoracic Oncology</i> , 2016, 11, S65.	0.5	5
98	EV, Microvesicles/MicroRNAs and Stem Cells in Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1056, 123-135.	0.8	5
99	Elevating CDCA3 Levels Enhances Tyrosine Kinase Inhibitor Sensitivity in TKI-Resistant EGFR Mutant Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 4651.	1.7	5
100	Epigenetic Therapy in Lung Cancer and Mesothelioma. , 2015, , 189-213.		4
101	17P Examination of EXOSC4 as a new prognostic marker and a novel therapeutic avenue in lung adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2016, 11, S63.	0.5	4
102	Genome instability and pressure on non-homologous end joining drives chemotherapy resistance via a DNA repair crisis switch in triple negative breast cancer. <i>NAR Cancer</i> , 2021, 3, zcab022.	1.6	4
103	Advances in high-power harmonic generation: Q-switched lasers with electronically adjustable pulse width. , 2006, , .		3
104	Nucleolar caspase-2: Protecting us from DNA damage. <i>Journal of Cell Biology</i> , 2017, 216, 1521-1523.	2.3	3
105	COMMD1, from the Repair of DNA Double Strand Breaks, to a Novel Anti-Cancer Therapeutic Target. <i>Cancers</i> , 2021, 13, 830.	1.7	3
106	DNA damage contributes to transcriptional and immunological dysregulation of testicular cells during Chlamydia infection. <i>American Journal of Reproductive Immunology</i> , 2021, 86, e13400.	1.2	3
107	Single-Stranded DNA Binding Proteins Involved in Genome Maintenance. , 2009, , 349-366.		3
108	COMMD4 Functions with the Histone H2A-H2B Dimer for the Timely Repair of DNA Double Strand Breaks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3

#	ARTICLE	IF	CITATIONS
109	16P The overexpression of SASH1 stimulates cell death in lung cancer cells. Journal of Thoracic Oncology, 2016, 11, S62-S63.	0.5	2
110	Chemo-Radiative Stress of Plasma as a Modulator of Charge-Dependent Nanodiamond Cytotoxicity. ACS Applied Bio Materials, 2020, 3, 7202-7210.	2.3	1
111	Epigenetics Underpinning DNA Damage Repair. , 2015, , 595-612.		0
112	67P Investigation of the interaction between non-small cell lung cancer cells and immortalised normal bronchial epithelial cells. Journal of Thoracic Oncology, 2016, 11, S83-S84.	0.5	0
113	68P Inflammatory mediated mechanisms of cisplatin resistance in non-small cell lung cancer. Journal of Thoracic Oncology, 2016, 11, S84.	0.5	0
114	74P Elucidating drug resistance mechanisms using 2D and 3D culture systems. Journal of Thoracic Oncology, 2016, 11, S86-S87.	0.5	0
115	Defining COMMD4 as an anti-cancer therapeutic target and potential diagnostic biomarker in lung cancer. Lung Cancer, 2019, 127, S1.	0.9	0
116	Abstract 996: Cold atmospheric plasma therapy selectively targets triple negative breast cancer cells. , 2021, , .		0