

Derek J Richard

List of Publications by Year in descending order

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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	A distinct <scp>ssDNA</scp>/<scp>RNA</scp> binding interface in the Nsp9 protein from <scp>SARSâ€CoV</scp>â€2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 176-185.	1.5	20
2	Deep Learning-Based Pan-Cancer Classification Model Reveals Tissue-of-Origin Specific Gene Expression Signatures. <i>Cancers</i> , 2022, 14, 1185.	1.7	18
3	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
4	Barrier-to-autointegration-factor (Banf1) modulates DNA double-strand break repair pathway choice via regulation of DNA-dependent kinase (DNA-PK) activity. <i>Nucleic Acids Research</i> , 2021, 49, 3294-3307.	6.5	13
5	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
6	Cell Metabolism and DNA Repair Pathways: Implications for Cancer Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 633305.	1.8	40
7	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
8	Tumor Hypoxia Drives Genomic Instability. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 626229.	1.8	21
9	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
10	COMMD4 functions with the histone H2A-H2B dimer for the timely repair of DNA double-strand breaks. <i>Communications Biology</i> , 2021, 4, 484.	2.0	8
11	Elevating CDCA3 levels in non-small cell lung cancer enhances sensitivity to platinum-based chemotherapy. <i>Communications Biology</i> , 2021, 4, 638.	2.0	12
12	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
13	Abstract 996: Cold atmospheric plasma therapy selectively targets triple negative breast cancer cells. , 2021, , .		0
14	Epigenetic Mechanisms in DNA Double Strand Break Repair: A Clinical Review. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 685440.	1.6	17
15	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
16	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
17	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
18	The Impact of Rare Human Variants on Barrier-To-Auto-Integration Factor 1 (Banf1) Structure and Function. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 775441.	1.8	8

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19	The structural details of the interaction of single-stranded DNA binding protein hSSB2 (NABP1/OBFC2A) with UV-damaged DNA. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 319-326.	1.5	10
20	Circulating Tumor Cells in Metastatic Breast Cancer: From Genome Instability to Metastasis. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 134.	1.6	17
21	High-Plex and High-Throughput Digital Spatial Profiling of Non-Small-Cell Lung Cancer (NSCLC). <i>Cancers</i> , 2020, 12, 3551.	1.7	26
22	Assessing Molecular Docking Tools to Guide Targeted Drug Discovery of CD38 Inhibitors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5183.	1.8	47
23	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
24	Circulating tumor cell clusters: Insights into tumour dissemination and metastasis. <i>Expert Review of Molecular Diagnostics</i> , 2020, 20, 1139-1147.	1.5	18
25	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
26	Chemo-Radiative Stress of Plasma as a Modulator of Charge-Dependent Nanodiamond Cytotoxicity. <i>ACS Applied Bio Materials</i> , 2020, 3, 7202-7210.	2.3	1
27	PARP Inhibitors: Clinical Relevance, Mechanisms of Action and Tumor Resistance. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 564601.	1.8	315
28	Defining COMMD4 as an anti-cancer therapeutic target and prognostic factor in non-small cell lung cancer. <i>British Journal of Cancer</i> , 2020, 123, 591-603.	2.9	13
29	Redox Regulation in the Base Excision Repair Pathway: Old and New Players as Cancer Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2020, 27, 1901-1921.	1.2	10
30	Epidermal Growth Factor Receptor (EGFR)-Mutated Non-Small-Cell Lung Cancer (NSCLC). <i>Pharmaceuticals</i> , 2020, 13, 273.	1.7	28
31	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
32	Targeting NF- κ B-mediated inflammatory pathways in cisplatin-resistant NSCLC. <i>Lung Cancer</i> , 2019, 135, 217-227.	0.9	25
33	Defining COMMD4 as an anti-cancer therapeutic target and potential diagnostic biomarker in lung cancer. <i>Lung Cancer</i> , 2019, 127, S1.	0.9	0
34	A Structural Perspective on the Regulation of Human Single-Stranded DNA Binding Protein 1 (hSSB1). <i>Trends in Biochemical Sciences</i> , 2019, 44, 441-446.	1.9	10
35	Rearranged During Transfection Fusions in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2019, 11, 620.	1.7	9
36	Targeting BRAF mutations in non-small cell lung cancer. <i>Translational Lung Cancer Research</i> , 2019, 8, 1119-1124.	1.3	65

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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	Digital Holographic Imaging as a Method for Quantitative, Live Cell Imaging of Drug Response to Novel Targeted Cancer Therapies. <i>Methods in Molecular Biology</i> , 2019, 2054, 171-183.	0.4	9
39	Inhaled Micro/Nanoparticulate Anticancer Drug Formulations: An Emerging Targeted Drug Delivery Strategy for Lung Cancers. <i>Current Cancer Drug Targets</i> , 2019, 19, 162-178.	0.8	13
40	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
41	The Emerging Role of Gas Plasma in Oncotherapy. <i>Trends in Biotechnology</i> , 2018, 36, 1183-1198.	4.9	89
42	EV, Microvesicles/MicroRNAs and Stem Cells in Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1056, 123-135.	0.8	5
43	Nucleolar caspase-2: Protecting us from DNA damage. <i>Journal of Cell Biology</i> , 2017, 216, 1521-1523.	2.3	3
44	Expression of CDCA3 Is a Prognostic Biomarker and Potential Therapeutic Target in Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2017, 12, 1071-1084.	0.5	59
45	hSSB1 phosphorylation is dynamically regulated by DNA-PK and PPP-family protein phosphatases. <i>DNA Repair</i> , 2017, 54, 30-39.	1.3	15
46	A data-driven structural model of hSSB1 (NABP2/OBFC2B) self-oligomerization. <i>Nucleic Acids Research</i> , 2017, 45, 8609-8620.	6.5	14
47	hSSB1 associates with and promotes stability of the BLM helicase. <i>BMC Molecular Biology</i> , 2017, 18, 13.	3.0	10
48	A structural analysis of DNA binding by hSSB1 (NABP2/OBFC2B) in solution. <i>Nucleic Acids Research</i> , 2016, 44, 7963-7973.	6.5	26
49	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
50	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
51	67P Investigation of the interaction between non-small cell lung cancer cells and immortalised normal bronchial epithelial cells. <i>Journal of Thoracic Oncology</i> , 2016, 11, S83-S84.	0.5	0
52	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
53	68P Inflammatory mediated mechanisms of cisplatin resistance in non-small cell lung cancer. <i>Journal of Thoracic Oncology</i> , 2016, 11, S84.	0.5	0
54	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

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55	Nucleophosmin: from structure and function to disease development. BMC Molecular Biology, 2016, 17, 19.	3.0	189
56	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. Immunity, 2016, 45, 333-345.	6.6	92
57	Activation and cleavage of SASH1 by caspase-3 mediates an apoptotic response. Cell Death and Disease, 2016, 7, e2469-e2469.	2.7	22
58	hSSB1 (NABP2/OBFC2B) is regulated by oxidative stress. Scientific Reports, 2016, 6, 27446.	1.6	31
59	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
60	16P The overexpression of SASH1 stimulates cell death in lung cancer cells. Journal of Thoracic Oncology, 2016, 11, S62-S63.	0.5	2
61	74P Elucidating drug resistance mechanisms using 2D and 3D culture systems. Journal of Thoracic Oncology, 2016, 11, S86-S87.	0.5	0
62	Drug Discovery Approaches Utilizing Three-Dimensional Cell Culture. Assay and Drug Development Technologies, 2016, 14, 19-28.	0.6	85
63	SASH1 mediates sensitivity of breast cancer cells to chloropyramine and is associated with prognosis in breast cancer. Oncotarget, 2016, 7, 72807-72818.	0.8	26
64	Senataxin controls meiotic silencing through ATR activation and chromatin remodeling. Cell Discovery, 2015, 1, 15025.	3.1	29
65	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
66	hSSB1 (NABP2/ OBFC2B) is required for the repair of 8-oxo-guanine by the hOGG1-mediated base excision repair pathway. Nucleic Acids Research, 2015, 43, 8817-8829.	6.5	37
67	The structural basis of DNA binding by the single-stranded DNA-binding protein from <i>Sulfolobus solfataricus</i> . Biochemical Journal, 2015, 465, 337-346.	1.7	29
68	Epigenetic Therapy in Lung Cancer and Mesothelioma. , 2015, , 189-213.		4
69	Epigenetics Underpinning DNA Damage Repair. , 2015, , 595-612.		0
70	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
71	N ⁶ -methyllysine-Progeria Syndrome: a biochemical insight into Barrier-to-Autointegration Factor 1, alanine 12 threonine mutation. BMC Molecular Biology, 2014, 15, 27.	3.0	38
72	Stimulated Brillouin scattering of pulses in optical fibers. Optics Express, 2014, 22, 13351.	1.7	24

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73	WT1 interacts with MAD2 and regulates mitotic checkpoint function. <i>Nature Communications</i> , 2014, 5, 4903.	5.8	20
74	Human single-stranded DNA binding protein 1 (hSSB1/NABP2) is required for the stability and repair of stalled replication forks. <i>Nucleic Acids Research</i> , 2014, 42, 6326-6336.	6.5	48
75	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
76	Functions and Therapeutic Roles of Exosomes in Cancer. <i>Frontiers in Oncology</i> , 2014, 4, 127.	1.3	210
77	The role of DNA repair pathways in cisplatin resistant lung cancer. <i>Cancer Treatment Reviews</i> , 2014, 40, 1161-1170.	3.4	114
78	BRCA1 Deficiency Exacerbates Estrogen-Induced DNA Damage and Genomic Instability. <i>Cancer Research</i> , 2014, 74, 2773-2784.	0.4	94
79	DNA repair pathways and their therapeutic potential in lung cancer. <i>Lung Cancer Management</i> , 2014, 3, 159-173.	1.5	10
80	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
81	Human single-stranded DNA binding proteins are essential for maintaining genomic stability. <i>BMC Molecular Biology</i> , 2013, 14, 9.	3.0	85
82	Genome Stability Pathways in Head and Neck Cancers. <i>International Journal of Genomics</i> , 2013, 2013, 1-19.	0.8	18
83	Antiproton induced DNA damage: proton like in flight, carbon-ion like near rest. <i>Scientific Reports</i> , 2013, 3, 1770.	1.6	21
84	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
85	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
86	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. <i>Journal of Biological Chemistry</i> , 2012, 287, 28122-28131.	1.6	43
87	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
88	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
89	Contribution of DEAF1 Structural Domains to the Interaction with the Breast Cancer Oncogene LMO4. <i>PLoS ONE</i> , 2012, 7, e39218.	1.1	21
90	BRCA1 is an essential mediator of vinorelbine-induced apoptosis in mesothelioma. <i>Journal of Pathology</i> , 2012, 227, 200-208.	2.1	33

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91	Rodent blood-stage <i>Plasmodium</i> 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
92	ATM mediated phosphorylation of CHD4 contributes to genome maintenance. Genome Integrity, 2011, 2, 1.	1.0	35
93	PARP inhibition induces BAX/BAK-independent synthetic lethality of BRCA1-deficient non-small cell lung cancer. Journal of Pathology, 2011, 224, 564-574.	2.1	32
94	Spatiotemporal investigations of DNA damage repair using microbeams. Radiation Protection Dosimetry, 2011, 143, 340-343.	0.4	9
95	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
96	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
97	Phosphorylation of Exo1 modulates homologous recombination repair of DNA double-strand breaks. Nucleic Acids Research, 2010, 38, 1821-1831.	6.5	150
98	hSSB1 and hSSB2 Form Similar Multiprotein Complexes That Participate in DNA Damage Response. Journal of Biological Chemistry, 2009, 284, 23525-23531.	1.6	98
99	Recent Advances in Cancer Therapy Targeting Proteins Involved in DNA Double-Strand Break Repair. Clinical Cancer Research, 2009, 15, 6314-6320.	3.2	173
100	Involvement of Exo1b in DNA damage-induced apoptosis. Nucleic Acids Research, 2009, 37, 3452-3463.	6.5	26
101	Fiber amplifier based UV laser source. , 2009, , .		5
102	Multiple human single-stranded DNA binding proteins function in genome maintenance: structural, biochemical and functional analysis. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 98-116.	2.3	96
103	INTS3 controls the hSSB1-mediated DNA damage response. Journal of Cell Biology, 2009, 187, 25-32.	2.3	80
104	Single-Stranded DNA Binding Proteins Involved in Genome Maintenance. , 2009, , 349-366.		3
105	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. Nature, 2008, 453, 677-681.	13.7	220
106	A Novel Corepressor, BCoR-L1, Represses Transcription through an Interaction with CtBP. Journal of Biological Chemistry, 2007, 282, 15248-15257.	1.6	72
107	Advances in high-power harmonic generation: Q-switched lasers with electronically adjustable pulse width. , 2006, , .		3
108	Conformational flexibility revealed by the crystal structure of a crenarchaeal RadA. Nucleic Acids Research, 2005, 33, 1465-1473.	6.5	32

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109	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
110	Substrate recognition and catalysis by the Holliday junction resolving enzyme Hje. <i>Nucleic Acids Research</i> , 2004, 32, 5442-5451.	6.5	41
111	Physical and functional interaction of the archaeal single-stranded DNA-binding protein SSB with RNA polymerase. <i>Nucleic Acids Research</i> , 2004, 32, 1065-1074.	6.5	48
112	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
113	Structure of Hjc, a Holliday junction resolvase, from <i>Sulfolobus solfataricus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5509-5514.	3.3	85
114	Par4 is a coactivator for a splice isoform-specific transcriptional activation domain in WT1. <i>Genes and Development</i> , 2001, 15, 328-339.	2.7	76
115	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
116	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