Michael M Cox

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9,672 96 170 55 h-index g-index citations papers 10,635 8.7 6.35 187 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
170	The importance of repairing stalled replication forks. <i>Nature</i> , 2000 , 404, 37-41	50.4	900
169	Deinococcus radiodurans - the consummate survivor. <i>Nature Reviews Microbiology</i> , 2005 , 3, 882-92	22.2	489
168	SSB as an organizer/mobilizer of genome maintenance complexes. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2008 , 43, 289-318	8.7	378
167	RecA protein: structure, function, and role in recombinational DNA repair. <i>Progress in Molecular Biology and Translational Science</i> , 1997 , 56, 129-223		353
166	The bacterial RecA protein and the recombinational DNA repair of stalled replication forks. <i>Annual Review of Biochemistry</i> , 2002 , 71, 71-100	29.1	352
165	The RecA protein: structure and function. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1990 , 25, 415-56	8.7	348
164	Regulation of bacterial RecA protein function. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2007 , 42, 41-63	8.7	287
163	Recombinational DNA repair of damaged replication forks in Escherichia coli: questions. <i>Annual Review of Genetics</i> , 2001 , 35, 53-82	14.5	205
162	Motoring along with the bacterial RecA protein. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 127-38	48.7	185
161	RecA protein filaments: end-dependent dissociation from ssDNA and stabilization by RecO and RecR proteins. <i>Journal of Molecular Biology</i> , 1997 , 265, 519-40	6.5	170
160	Recombinational DNA repair: the RecF and RecR proteins limit the extension of RecA filaments beyond single-strand DNA gaps. <i>Cell</i> , 1997 , 91, 347-56	56.2	168
159	The bacterial RecA protein as a motor protein. Annual Review of Microbiology, 2003, 57, 551-77	17.5	168
158	Recombinational DNA repair in bacteria and the RecA protein. <i>Progress in Molecular Biology and Translational Science</i> , 1999 , 63, 311-66		160
157	Continuous association of Escherichia coli single-stranded DNA binding protein with stable complexes of recA protein and single-stranded DNA. <i>Biochemistry</i> , 1986 , 25, 1482-94	3.2	150
156	Circadian clock protein KaiC forms ATP-dependent hexameric rings and binds DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 17203-8	11.5	126
155	Historical overview: searching for replication help in all of the rec places. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 8173-80	11.5	121
154	A broadening view of recombinational DNA repair in bacteria. <i>Genes To Cells</i> , 1998 , 3, 65-78	2.3	117

153	The active form of DNA polymerase V is UmuDR2)C-RecA-ATP. <i>Nature</i> , 2009 , 460, 359-63	50.4	116
152	DNA strand exchange promoted by RecA K72R. Two reaction phases with different Mg2+ requirements. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5712-24	5.4	114
151	General mechanism for RecA protein binding to duplex DNA. <i>Journal of Molecular Biology</i> , 1988 , 203, 479-93	6.5	114
150	A new model for SOS-induced mutagenesis: how RecA protein activates DNA polymerase V. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010 , 45, 171-84	8.7	100
149	Directed evolution of ionizing radiation resistance in Escherichia coli. <i>Journal of Bacteriology</i> , 2009 , 191, 5240-52	3.5	100
148	A RecA filament capping mechanism for RecX protein. <i>Molecular Cell</i> , 2004 , 15, 789-98	17.6	99
147	DNA recognition by the FLP recombinase of the yeast 2 mu plasmid. A mutational analysis of the FLP binding site. <i>Journal of Molecular Biology</i> , 1988 , 201, 405-21	6.5	96
146	Why does RecA protein hydrolyse ATP?. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 217-22	10.3	93
145	C-terminal deletions of the Escherichia coli RecA protein. Characterization of in vivo and in vitro effects. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16372-80	5.4	90
144	Crystal structure of the Deinococcus radiodurans single-stranded DNA-binding protein suggests a mechanism for coping with DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8575-80	11.5	89
143	The nonmutagenic repair of broken replication forks via recombination. <i>Mutation Research</i> - Fundamental and Molecular Mechanisms of Mutagenesis, 2002 , 510, 107-20	3.3	89
142	Preserving genome integrity: the DdrA protein of Deinococcus radiodurans R1. <i>PLoS Biology</i> , 2004 , 2, e304	9.7	88
141	DNA polymerase V and RecA protein, a minimal mutasome. <i>Molecular Cell</i> , 2005 , 17, 561-72	17.6	87
140	The C terminus of the Escherichia coli RecA protein modulates the DNA binding competition with single-stranded DNA-binding protein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16389-96	5.4	83
139	RecA acts in trans to allow replication of damaged DNA by DNA polymerase V. <i>Nature</i> , 2006 , 442, 883-7	50.4	82
138	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. <i>ELife</i> , 2017 , 6,	8.9	80
137	Regulation of single-stranded DNA binding by the C termini of Escherichia coli single-stranded DNA-binding (SSB) protein. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17246-52	5.4	73
136	The RecA proteins of Deinococcus radiodurans and Escherichia coli promote DNA strand exchange via inverse pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 7917-21	11.5	73

135	Quantitative analysis of the kinetics of end-dependent disassembly of RecA filaments from ssDNA. Journal of Molecular Biology, 1999 , 288, 391-401	6.5	73
134	The DinI protein stabilizes RecA protein filaments. <i>Journal of Biological Chemistry</i> , 2004 , 279, 30037-46	5.4	72
133	Evidence for the coupling of ATP hydrolysis to the final (extension) phase of RecA protein-mediated DNA strand exchange. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5725-32	5.4	72
132	Relating biochemistry to biology: how the recombinational repair function of RecA protein is manifested in its molecular properties. <i>BioEssays</i> , 1993 , 15, 617-23	4.1	70
131	SSB protein limits RecOR binding onto single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11058-67	5.4	69
130	Dissociation pathway for recA nucleoprotein filaments formed on linear duplex DNA. <i>Journal of Molecular Biology</i> , 1989 , 205, 695-711	6.5	69
129	Regulation of Mutagenic DNA Polymerase V Activation in Space and Time. <i>PLoS Genetics</i> , 2015 , 11, e100	0 5 482	67
128	The Rad51-dependent pairing of long DNA substrates is stabilized by replication protein A. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39280-8	5.4	66
127	Inhibition of recA protein promoted ATP hydrolysis. 1. ATP gamma S and ADP are antagonistic inhibitors. <i>Biochemistry</i> , 1990 , 29, 7666-76	3.2	66
126	Homology-dependent changes in adenosine 5Rtriphosphate hydrolysis during recA protein promoted DNA strand exchange: evidence for long paranemic complexes. <i>Biochemistry</i> , 1987 , 26, 5616-	-2 ³ 5 ²	65
125	RecFOR and RecOR as distinct RecA loading pathways. Journal of Biological Chemistry, 2009, 284, 3264-	33,72	64
124	The single-stranded DNA-binding protein of Deinococcus radiodurans. <i>BMC Microbiology</i> , 2004 , 4, 2	4.5	64
123	Magnesium ion-dependent activation of the RecA protein involves the C terminus. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16381-8	5.4	63
122	RecA Protein from the extremely radioresistant bacterium Deinococcus radiodurans: expression, purification, and characterization. <i>Journal of Bacteriology</i> , 2002 , 184, 1649-60	3.5	62
121	Roles of DNA polymerase V and RecA protein in SOS damage-induced mutation. <i>Chemical Reviews</i> , 2006 , 106, 406-19	68.1	61
120	An interaction between the Escherichia coli RecF and RecR proteins dependent on ATP and double-stranded DNA. <i>Journal of Biological Chemistry</i> , 1995 , 270, 31397-404	5.4	61
119	The RecF protein antagonizes RecX function via direct interaction. <i>Molecular Cell</i> , 2006 , 21, 41-50	17.6	59
118	Organized unidirectional waves of ATP hydrolysis within a RecA filament. <i>PLoS Biology</i> , 2005 , 3, e52	9.7	58

(2002-2009)

117	DdrB protein, an alternative Deinococcus radiodurans SSB induced by ionizing radiation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 21402-11	5.4	56	
116	Inhibition of RecA protein by the Escherichia coli RecX protein: modulation by the RecA C terminus and filament functional state. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52991-7	5.4	56	
115	Extent of duplex DNA underwinding induced by RecA protein binding in the presence of ATP. Journal of Molecular Biology, 1989 , 205, 487-92	6.5	55	
114	Inhibition of recA protein promoted ATP hydrolysis. 2. Longitudinal assembly and disassembly of recA protein filaments mediated by ATP and ADP. <i>Biochemistry</i> , 1990 , 29, 7677-83	3.2	54	
113	Lehninger Biochemie. Springer-Lehrbuch, 2001,	0.4	54	
112	An SOS inhibitor that binds to free RecA protein: the PsiB protein. <i>Molecular Cell</i> , 2009 , 36, 121-30	17.6	53	
111	Evolution of extreme resistance to ionizing radiation via genetic adaptation of DNA repair. <i>ELife</i> , 2014 , 3, e01322	8.9	53	
110	Situational repair of replication forks: roles of RecG and RecA proteins. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10973-81	5.4	52	
109	The DinI and RecX proteins are competing modulators of RecA function. <i>Journal of Biological Chemistry</i> , 2004 , 279, 55073-9	5.4	51	
108	DNA pairing and strand exchange by the Escherichia coli RecA and yeast Rad51 proteins without ATP hydrolysis: on the importance of not getting stuck. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3857	.0 ₂ 84	51	
107	RecA filament dynamics during DNA strand exchange reactions. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11063-73	5.4	49	
106	RecA protein filaments disassemble in the 5Rto 3Rdirection on single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45740-3	5.4	49	
105	RuvB protein-mediated ATP hydrolysis: functional asymmetry in the RuvB hexamer. <i>Biochemistry</i> , 1995 , 34, 9809-18	3.2	49	
104	Foundational concepts and underlying theories for majors in "biochemistry and molecular biology". <i>Biochemistry and Molecular Biology Education</i> , 2013 , 41, 289-96	1.3	48	
103	RecA protein dynamics in the interior of RecA nucleoprotein filaments. <i>Journal of Molecular Biology</i> , 1996 , 257, 756-74	6.5	48	
102	Escherichia coli genes and pathways involved in surviving extreme exposure to ionizing radiation. <i>Journal of Bacteriology</i> , 2014 , 196, 3534-45	3.5	47	
101	RecA as a motor protein. Testing models for the role of ATP hydrolysis in DNA strand exchange. Journal of Biological Chemistry, 1997 , 272, 17675-85	5.4	46	
100	Two distinct modes of RecA action are required for DNA polymerase V-catalyzed translesion synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 110	o 6 1-8	46	

99	Structure and cellular dynamics of Deinococcus radiodurans single-stranded DNA (ssDNA)-binding protein (SSB)-DNA complexes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 22123-32	5.4	43
98	Rising from the Ashes: DNA Repair in Deinococcus radiodurans. <i>PLoS Genetics</i> , 2010 , 6, e1000815	6	42
97	A DNA pairing-enhanced conformation of bacterial RecA proteins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52710-23	5.4	40
96	Inhibition of RecA protein function by the RdgC protein from Escherichia coli. <i>Journal of Biological Chemistry</i> , 2006 , 281, 4708-17	5.4	39
95	Active displacement of RecA filaments by UvrD translocase activity. <i>Nucleic Acids Research</i> , 2015 , 43, 4133-49	20.1	38
94	Stabilization of recA protein-ssDNA complexes by the single-stranded DNA binding protein of Escherichia coli. <i>Biochemistry</i> , 1990 , 29, 837-43	3.2	37
93	Anionic Phospholipids Stabilize RecA Filament Bundles in Escherichia coli. <i>Molecular Cell</i> , 2015 , 60, 374	-84 7.6	36
92	RecA-mediated SOS induction requires an extended filament conformation but no ATP hydrolysis. <i>Molecular Microbiology</i> , 2008 , 69, 1165-79	4.1	35
91	ATP hydrolysis and DNA binding by the Escherichia coli RecF protein. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15367-74	5.4	35
90	Homology-dependent underwinding of duplex DNA in recA protein generated paranemic complexes. <i>Biochemistry</i> , 1988 , 27, 7886-94	3.2	35
89	DNA polymerase IV primarily operates outside of DNA replication forks in Escherichia coli. <i>PLoS Genetics</i> , 2018 , 14, e1007161	6	32
88	Binding of the dimeric Deinococcus radiodurans single-stranded DNA binding protein to single-stranded DNA. <i>Biochemistry</i> , 2010 , 49, 8266-75	3.2	30
87	Investigating Deinococcus radiodurans RecA protein filament formation on double-stranded DNA by a real-time single-molecule approach. <i>Biochemistry</i> , 2011 , 50, 8270-80	3.2	29
86	Alignment of 3 (but not 4) DNA strands within a RecA protein filament. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26021-4	5.4	29
85	Quantitative RecA protein binding to the hybrid duplex product of DNA strand exchange. <i>Biochemistry</i> , 1995 , 34, 10859-66	3.2	29
84	Spatial and temporal organization of RecA in the DNA-damage response. <i>ELife</i> , 2019 , 8,	8.9	28
83	Less is more: Neisseria gonorrhoeae RecX protein stimulates recombination by inhibiting RecA. Journal of Biological Chemistry, 2010 , 285, 37188-97	5.4	26
82	Complementation of one RecA protein point mutation by another. Evidence for trans catalysis of ATP hydrolysis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12968-75	5.4	26

81	A RecA protein surface required for activation of DNA polymerase V. PLoS Genetics, 2015, 11, e100506	666	25
80	On the mechanism of RecA-mediated repair of double-strand breaks: no role for four-strand DNA pairing intermediates. <i>Molecular Cell</i> , 1998 , 1, 309-17	17.6	25
79	Developing single-molecule TPM experiments for direct observation of successful RecA-mediated strand exchange reaction. <i>PLoS ONE</i> , 2011 , 6, e21359	3.7	24
78	Structure and biochemical activities of Escherichia coli MgsA. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12075-85	5.4	24
77	Regulation of Deinococcus radiodurans RecA protein function via modulation of active and inactive nucleoprotein filament states. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21351-21366	5.4	23
76	Biochemical characterization of RecA variants that contribute to extreme resistance to ionizing radiation. <i>DNA Repair</i> , 2015 , 26, 30-43	4.3	21
<i>75</i>	Escherichia coli radD (yejH) gene: a novel function involved in radiation resistance and double-strand break repair. <i>Molecular Microbiology</i> , 2015 , 95, 754-68	4.1	21
74	P1 Ref Endonuclease: A Molecular Mechanism for Phage-Enhanced Antibiotic Lethality. <i>PLoS Genetics</i> , 2016 , 12, e1005797	6	21
73	Blocked RecA protein-mediated DNA strand exchange reactions are reversed by the RuvA and RuvB proteins. <i>Journal of Biological Chemistry</i> , 1995 , 270, 19473-80	5.4	19
72	Mutations for Worse or Better: Low-Fidelity DNA Synthesis by SOS DNA Polymerase V Is a Tightly Regulated Double-Edged Sword. <i>Biochemistry</i> , 2016 , 55, 2309-18	3.2	19
71	RecFOR epistasis group: RecF and RecO have distinct localizations and functions in Escherichia coli. <i>Nucleic Acids Research</i> , 2019 , 47, 2946-2965	20.1	18
70	Defective dissociation of a "slow" RecA mutant protein imparts an Escherichia coli growth defect. Journal of Biological Chemistry, 2008 , 283, 24909-21	5.4	18
69	Polar destabilization of DNA duplexes with single-stranded overhangs by the Deinococcus radiodurans SSB protein. <i>Biochemistry</i> , 2006 , 45, 14490-502	3.2	17
68	RecA protein promotes strand exchange with DNA substrates containing isoguanine and 5-methyl isocytosine. <i>Biochemistry</i> , 2000 , 39, 10177-88	3.2	17
67	DNA polymerase V activity is autoregulated by a novel intrinsic DNA-dependent ATPase. <i>ELife</i> , 2014 , 3, e02384	8.9	16
66	Escherichia coli RadD Protein Functionally Interacts with the Single-stranded DNA-binding Protein. Journal of Biological Chemistry, 2016 , 291, 20779-86	5.4	16
65	Experimental Evolution of Extreme Resistance to Ionizing Radiation in after 50 Cycles of Selection. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	15
64	Creating directed double-strand breaks with the Ref protein: a novel RecA-dependent nuclease from bacteriophage P1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8240-8251	5.4	15

63	The Deinococcus radiodurans DR1245 protein, a DdrB partner homologous to YbjN proteins and reminiscent of type III secretion system chaperones. <i>PLoS ONE</i> , 2013 , 8, e56558	3.7	14
62	SSB antagonizes RecX-RecA interaction. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14198-204	5.4	14
61	Directed Evolution of RecA Variants with Enhanced Capacity for Conjugational Recombination. <i>PLoS Genetics</i> , 2015 , 11, e1005278	6	13
60	Disassembly of Escherichia coli RecA E38K/DeltaC17 nucleoprotein filaments is required to complete DNA strand exchange. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3211-26	5.4	13
59	Purification and characterization of the RecA protein from Neisseria gonorrhoeae. <i>PLoS ONE</i> , 2011 , 6, e17101	3.7	13
58	Modulating cellular recombination potential through alterations in RecA structure and regulation. <i>Molecular Microbiology</i> , 2010 , 78, 1523-38	4.1	12
57	DNA flap creation by the RarA/MgsA protein of Escherichia coli. <i>Nucleic Acids Research</i> , 2017 , 45, 2724-	2 73 51	10
56	The stable, functional core of DdrA from Deinococcus radiodurans R1 does not restore radioresistance in vivo. <i>Journal of Bacteriology</i> , 2008 , 190, 6475-82	3.5	10
55	The Bacterial RecA Protein: Structure, Function, and Regulation 2006, 53-94		10
54	Distinguishing characteristics of hyperrecombinogenic RecA protein from Pseudomonas aeruginosa acting in Escherichia coli. <i>Journal of Bacteriology</i> , 2006 , 188, 5812-20	3.5	10
53	The bacterial RecA protein: structure, function, and regulation. <i>Topics in Current Genetics</i> , 2007 , 53-94		10
52	Ionizing Radiation-induced Proteomic Oxidation in. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 1375-1	3 9 56	9
51	Resolving Toxic DNA repair intermediates in every E. Leoli replication cycle: critical roles for RecG, Uup and RadD. <i>Nucleic Acids Research</i> , 2020 , 48, 8445-8460	20.1	9
50	Redox controls RecA protein activity via reversible oxidation of its methionine residues. <i>ELife</i> , 2021 , 10,	8.9	9
49	Conformational regulation of Escherichia coli DNA polymerase V by RecA and ATP. <i>PLoS Genetics</i> , 2019 , 15, e1007956	6	8
48	RecA K72R filament formation defects reveal an oligomeric RecA species involved in filament extension. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7830-7840	5.4	8
47	Two RecA protein types that mediate different modes of hyperrecombination. <i>Journal of Bacteriology</i> , 2008 , 190, 3036-45	3.5	8
46	Single-molecule live-cell imaging reveals RecB-dependent function of DNA polymerase IV in double strand break repair. <i>Nucleic Acids Research</i> , 2020 , 48, 8490-8508	20.1	8

(2001-2019)

45	A 5Rto-3Rstrand exchange polarity is intrinsic to RecA nucleoprotein filaments in the absence of ATP hydrolysis. <i>Nucleic Acids Research</i> , 2019 , 47, 5126-5140	20.1	6	
44	X-ray crystal structure of the bacterial conjugation factor PsiB, a negative regulator of RecA. <i>Journal of Biological Chemistry</i> , 2010 , 285, 30615-21	5.4	6	
43	Function of the N-terminal segment of the RecA-dependent nuclease Ref. <i>Nucleic Acids Research</i> , 2015 , 43, 1795-803	20.1	5	
42	Development of a single-stranded DNA-binding protein fluorescent fusion toolbox. <i>Nucleic Acids Research</i> , 2020 , 48, 6053-6067	20.1	5	
41	Better chemistry for better survival, through regulation. <i>Cell</i> , 2003 , 112, 286-7	56.2	5	
40	The RecA Protein369-388		5	
39	Frequent template switching in postreplication gaps: suppression of deleterious consequences by the Escherichia coli Uup and RadD proteins. <i>Nucleic Acids Research</i> , 2020 , 48, 212-230	20.1	4	
38	Structural and Functional Studies of H. seropedicae RecA Protein - Insights into the Polymerization of RecA Protein as Nucleoprotein Filament. <i>PLoS ONE</i> , 2016 , 11, e0159871	3.7	4	
37	RecA-independent recombination: Dependence on the Escherichia coli RarA protein. <i>Molecular Microbiology</i> , 2021 , 115, 1122-1137	4.1	4	
36	DNA Metabolism in Balance: Rapid Loss of a RecA-Based Hyperrec Phenotype. <i>PLoS ONE</i> , 2016 , 11, e0 ⁻⁷	5 4 . † 37	4	
35	Covalent Modification of Amino Acids and Peptides Induced by Ionizing Radiation from an Electron Beam Linear Accelerator Used in Radiotherapy. <i>Radiation Research</i> , 2019 , 191, 447-459	3.1	3	
34	A variant of the Escherichia coli anaerobic transcription factor FNR exhibiting diminished promoter activation function enhances ionizing radiation resistance. <i>PLoS ONE</i> , 2019 , 14, e0199482	3.7	3	
33	RecA-dependent programmable endonuclease Ref cleaves DNA in two distinct steps. <i>Nucleic Acids Research</i> , 2014 , 42, 3871-83	20.1	3	
32	A path for coevolution of recombinational DNA repair, transposition, and the common nucleotides. <i>Mutation Research DNA Repair</i> , 1997 , 384, 15-22		3	
31	Proteins pinpoint double strand breaks. <i>ELife</i> , 2013 , 2, e01561	8.9	3	
30	Physiology of Highly Radioresistant After Experimental Evolution for 100 Cycles of Selection. <i>Frontiers in Microbiology</i> , 2020 , 11, 582590	5.7	3	
29	A new look at the human Rad51 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13147-8	11.5	2	
28	Recombinational DNA Repair in Bacteria: Postreplication 2001 ,		2	

27	Proteome Damage Inflicted by Ionizing Radiation: Advancing a Theme in the Research of Miroslav Radman. <i>Cells</i> , 2021 , 10,	7.9	2
26	GENOME RECONSTITUTION IN THE EXTREMELY RADIATION RESISTANT BACTERIUM Deinococcus radiodurans 2006 , 341-359		1
25	RadD is a RecA-dependent accessory protein that accelerates DNA strand exchange <i>Nucleic Acids Research</i> , 2022 ,	20.1	1
24	DNA double-strand breaks induced by reactive oxygen species promote DNA polymerase IV activity inEscherichia coli		1
23	Experimental evolution of extremophile resistance to ionizing radiation. <i>Trends in Genetics</i> , 2021 , 37, 830-845	8.5	1
22	The rarA gene as part of an expanded RecFOR recombination pathway: Negative epistasis and synthetic lethality with ruvB, recG, and recQ <i>PLoS Genetics</i> , 2021 , 17, e1009972	6	1
21	Genomic landscape of single-stranded DNA gapped intermediates in Escherichia coli <i>Nucleic Acids Research</i> , 2021 ,	20.1	1
20	Core Concepts of Biochemistry and Molecular Biology. <i>FASEB Journal</i> , 2013 , 27, 838.12	0.9	O
19	X-ray crystal structure of the Escherichia coli RadD DNA repair protein bound to ADP reveals a novel zinc ribbon domain <i>PLoS ONE</i> , 2022 , 17, e0266031	3.7	0
18	Rapid Evolution of Radiation Resistance in E. coli. <i>FASEB Journal</i> , 2006 , 20, LB77	0.9	
17	Novel Genotypes Relevant to Enhanced Resistance to Erradiation in Escherichia coli. <i>FASEB Journal</i> , 2008 , 22, 591.2	0.9	
16	A slow RecA protein, and its suppression in vivo. FASEB Journal, 2008, 22, 591.1	0.9	
15	Regulation of RecA protein by other proteins. FASEB Journal, 2008, 22, 405.1	0.9	
14	Escherichia coli RarA commits cells to post-replication repair pathways by facilitating replisome skipping. <i>FASEB Journal</i> , 2018 , 32, 786.8	0.9	
13	The effects of mCI inhibition on RecA activity. FASEB Journal, 2019, 33, 457.11	0.9	
12	Unleashing the True Recombination Power of RecA by Conjugational Screening of Random Mutants in the MAW Region. <i>FASEB Journal</i> , 2015 , 29, 878.6	0.9	
11	Function of the N-terminal segment of the RecA-dependent nuclease Ref. FASEB Journal, 2015, 29, 879	9.75.9	
10	Directed evolution of ionizing radiation resistance in Escherichia coli. FASEB Journal, 2009, 23, 836.7	0.9	

LIST OF PUBLICATIONS

9	An in vitro assay for double strand break repair. <i>FASEB Journal</i> , 2009 , 23, 836.8	0.9
8	Defining the interaction between the Escherichia coli RecA and DinI proteins. <i>FASEB Journal</i> , 2010 , 24, 876.1	0.9
7	Role of Cooperative ATP hydrolysis in RecA protein filaments. FASEB Journal, 2010, 24, 876.13	0.9
6	DNA-Stoffwechsel. <i>Springer-Lehrbuch</i> , 2011 , 1287-1347	0.4
5	Die Grundlagen der Biochemie. Springer-Lehrbuch, 2011 , 1-53	0.4
4	Understanding radiation resistance using resistance-promoting RecA mutants. <i>FASEB Journal</i> , 2011 , 25, 884.2	0.9
3	The function of Deinococcus Radiodurans SSB protein in RecA-mediated DNA strand exchange.	0.9
	FASEB Journal, 2012 , 26, 540.2	

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