

# Kalappa Muniyappa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6794404/publications.pdf>

Version: 2024-02-01

110  
papers

3,184  
citations

136950

32  
h-index

182427

51  
g-index

112  
all docs

112  
docs citations

112  
times ranked

2642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of the concerted action of recA protein and helix-destabilizing proteins in homologous recombination.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 2757-2761.	7.1	156
2	Isolation and visualization of active presynaptic filaments of recA protein and single-stranded DNA.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 7026-7030.	7.1	139
3	The homologous recombination system of phage lambda. Pairing activities of beta protein. Journal of Biological Chemistry, 1986, 261, 7472-8.	3.4	126
4	Intermediates in homologous pairing promoted by recA protein. Journal of Molecular Biology, 1985, 185, 295-309.	4.2	122
5	Novel derivatives of spirohydantoin induce growth inhibition followed by apoptosis in leukemia cells. Biochemical Pharmacology, 2009, 77, 348-363.	4.4	118
6	Suramin is a potent and selective inhibitor of Mycobacterium tuberculosis RecA protein and the SOS response: RecA as a potential target for antibacterial drug discovery. Journal of Antimicrobial Chemotherapy, 2014, 69, 1834-1843.	3.0	93
7	Design and Synthesis of New Benzimidazole- <i>Carbazole</i> Conjugates for the Stabilization of Human Telomeric DNA, Telomerase Inhibition, and Their Selective Action on Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 6973-6988.	6.4	92
8	Yeast Meiosis-Specific Protein Hop1 Binds to G4 DNA and Promotes Its Formation. Molecular and Cellular Biology, 2000, 20, 1361-1369.	2.3	91
9	Crystal structures of Mycobacterium tuberculosis RecA and its complex with ADP-ALF4: implications for decreased ATPase activity and molecular aggregation. Nucleic Acids Research, 2000, 28, 4964-4973.	14.5	90
10	DNA-Binding Activities of Hop1 Protein, a Synaptonemal Complex Component from <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 1998, 18, 1424-1435.	2.3	78
11	Stabilization and Structural Alteration of the G-Quadruplex DNA Made from the Human Telomeric Repeat Mediated by Tröger's Base Based Novel Benzimidazole Derivatives. Journal of Medicinal Chemistry, 2012, 55, 7460-7471.	6.4	75
12	Dimeric 1,3-Phenylene-bis(piperazinyl benzimidazole)s: Synthesis and Structure-Activity Investigations on their Binding with Human Telomeric G-Quadruplex DNA and Telomerase Inhibition Properties. Journal of Medicinal Chemistry, 2012, 55, 2981-2993.	6.4	70
13	RecX protein abrogates ATP hydrolysis and strand exchange promoted by RecA: Insights into negative regulation of homologous recombination. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12091-12096.	7.1	65
14	Crystal Structures of Mycobacterium smegmatis RecA and Its Nucleotide Complexes. Journal of Bacteriology, 2003, 185, 4280-4284.	2.2	61
15	Structural studies on MtRecA-nucleotide complexes: Insights into DNA and nucleotide binding and the structural signature of NTP recognition. Proteins: Structure, Function and Bioinformatics, 2003, 50, 474-485.	2.6	58
16	<i>Saccharomyces cerevisiae</i> Mre11 is a high-affinity G4 DNA-binding protein and a G-rich DNA-specific endonuclease: implications for replication of telomeric DNA. Nucleic Acids Research, 2005, 33, 4692-4703.	14.5	56
17	Characterization of Single-stranded DNA-binding Proteins from Mycobacteria. Journal of Biological Chemistry, 2001, 276, 45959-45968.	3.4	53
18	Enhanced G-Quadruplex DNA Stabilization and Telomerase Inhibition by Novel Fluorescein Derived Salen and Salphen Based Ni(II) and Pd(II) Complexes. Bioconjugate Chemistry, 2017, 28, 341-352.	3.6	51

#	ARTICLE	IF	CITATIONS
19	Targeting G-quadruplex DNA structures in the telomere and oncogene promoter regions by benzimidazole-carbazole ligands. <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 178-194.	5.5	49
20	Characterization of the DNA-binding domain of $\hat{\text{I}}^2$ protein, a component of phage $\hat{\text{I}}^2$ Red-pathway, by UV catalyzed cross-linking. <i>Gene</i> , 1996, 182, 81-87.	2.2	43
21	Identification and characterization of two conserved G-quadruplex forming motifs in the Nipah virus genome and their interaction with G-quadruplex specific ligands. <i>Scientific Reports</i> , 2020, 10, 1477.	3.3	42
22	Hoogsteen base-pairing revisited: Resolving a role in normal biological processes and human diseases. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 1-7.	2.1	41
23	Functional Characterization of the Precursor and Spliced Forms of RecA Protein of <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 1996, 35, 1793-1802.	2.5	40
24	Snapshots of RecA Protein Involving Movement of the C-domain and Different Conformations of the DNA-binding Loops: Crystallographic and Comparative Analysis of 11 Structures of <i>Mycobacterium smegmatis</i> RecA. <i>Journal of Molecular Biology</i> , 2007, 367, 1130-1144.	4.2	40
25	The biological and structural characterization of <i>Mycobacterium tuberculosis</i> UvrA provides novel insights into its mechanism of action. <i>Nucleic Acids Research</i> , 2011, 39, 7316-7328.	14.5	40
26	Unwinding of heterologous DNA by RecA protein during the search for homologous sequences. <i>Journal of Molecular Biology</i> , 1992, 226, 127-139.	4.2	39
27	Functional and Regulatory Characteristics of Eukaryotic Type II DNA Topoisomerase. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2001, 36, 1-37.	5.2	39
28	Force and ATP hydrolysis dependent regulation of RecA nucleoprotein filament by single-stranded DNA binding protein. <i>Nucleic Acids Research</i> , 2013, 41, 924-932.	14.5	39
29	Crystallographic identification of an ordered C-terminal domain and a second nucleotide-binding site in RecA: new insights into allostery. <i>Nucleic Acids Research</i> , 2006, 34, 2186-2195.	14.5	38
30	Meiosis-specific yeast Hop1 protein promotes synapsis of double-stranded DNA helices via the formation of guanine quartets. <i>Nucleic Acids Research</i> , 2004, 32, 2378-2385.	14.5	37
31	Specific stabilization of promoter G-Quadruplex DNA by 2,6-disubstituted amidoanthracene-9,10-dione based dimeric distamycin analogues and their selective cancer cell cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2020, 195, 112202.	5.5	36
32	New dimeric carbazole-benzimidazole mixed ligands for the stabilization of human telomeric G-quadruplex DNA and as telomerase inhibitors. A remarkable influence of the spacer. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8335-8348.	2.8	34
33	Active nucleoprotein filaments of single-stranded binding protein and recA protein on single-stranded DNA have a regular repeating structure. <i>Nucleic Acids Research</i> , 1990, 18, 3967-3973.	14.5	33
34	Novel Oligopyrrole Carboxamide based Nickel(II) and Palladium(II) Salens, Their Targeting of Human G-Quadruplex DNA, and Selective Cancer Cell Toxicity. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2542-2554.	3.3	32
35	Nucleosomes on linear duplex DNA allow homologous pairing but prevent strand exchange promoted by RecA protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 1344-1348.	7.1	31
36	Intermediates in Homologous Pairing Promoted by RecA Protein and Correlations of Recombination In Vitro and In Vivo. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1984, 49, 513-523.	1.1	30

#	ARTICLE	IF	CITATIONS
37	Structure of <i>Mycobacterium smegmatis</i> single-stranded DNA-binding protein and a comparative study involving homologous SSBs: biological implications of structural plasticity and variability in quaternary association. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 1140-1148.	2.5	29
38	Use of structure-directed DNA ligands to probe the binding of recA protein to narrow and wide grooves of DNA and on its ability to promote homologous pairing. <i>Journal of Biological Chemistry</i> , 1992, 267, 24824-32.	3.4	29
39	Novel ruthenium azo-quinoline complexes with enhanced photonuclease activity in human cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 1016-1029.	5.5	27
40	RecA Protein of <i>Mycobacterium tuberculosis</i> Possesses pH-Dependent Homologous DNA Pairing and Strand Exchange Activities: Implications for Allele Exchange in Mycobacteria. <i>Biochemistry</i> , 1999, 38, 3175-3186.	2.5	26
41	Evidence for the role of <i>Mycobacterium tuberculosis</i> RecG helicase in DNA repair and recombination. <i>FEBS Journal</i> , 2013, 280, 1841-1860.	4.7	26
42	Developmental and hormonal regulation of type II DNA topoisomerase in rat testis. <i>Journal of Molecular Endocrinology</i> , 2001, 26, 193-206.	2.5	25
43	The Characterization of <i>Saccharomyces cerevisiae</i> Mre11/Rad50/Xrs2 Complex Reveals that Rad50 Negatively Regulates Mre11 Endonucleolytic but not the Exonucleolytic Activity. <i>Journal of Molecular Biology</i> , 2007, 372, 864-882.	4.2	25
44	<i>Mycobacterium tuberculosis</i> UvrD1 and UvrA Proteins Suppress DNA Strand Exchange Promoted by Cognate and Noncognate RecA Proteins. <i>Biochemistry</i> , 2010, 49, 4872-4883.	2.5	24
45	<i>Mycobacterium tuberculosis</i> UvrB Is a Robust DNA-Stimulated ATPase That Also Possesses Structure-Specific ATP-Dependent DNA Helicase Activity. <i>Biochemistry</i> , 2016, 55, 5865-5883.	2.5	24
46	Characterization of DNA Strand Transfer Promoted by <i>Mycobacterium smegmatis</i> RecA Reveals Functional Diversity with <i>Mycobacterium tuberculosis</i> RecA. <i>Biochemistry</i> , 2003, 42, 7216-7225.	2.5	23
47	Structural and Functional Characteristics of Homing Endonucleases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2003, 38, 199-248.	5.2	23
48	<i>Mycobacterium tuberculosis</i> nucleoid-associated DNA-binding protein H-NS binds with high-affinity to the Holliday junction and inhibits strand exchange promoted by RecA protein. <i>Nucleic Acids Research</i> , 2010, 38, 3555-3569.	14.5	23
49	Binding of Gemini Bisbenzimidazole Drugs with Human Telomeric G-Quadruplex Dimers: Effect of the Spacer in the Design of Potent Telomerase Inhibitors. <i>PLoS ONE</i> , 2012, 7, e39467.	2.5	22
50	Genome-wide analysis reveals a regulatory role for G-quadruplexes during Adenovirus multiplication. <i>Virus Research</i> , 2020, 283, 197960.	2.2	21
51	Telomere Structure, Replication and Length Maintenance. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1998, 33, 297-336.	5.2	20
52	Processing of DNA Double-stranded Breaks and Intermediates of Recombination and Repair by <i>Saccharomyces cerevisiae</i> Mre11 and Its Stimulation by Rad50, Xrs2, and Sae2 Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 11273-11286.	3.4	20
53	The second messenger cyclic diAMP negatively regulates the expression of <i>Mycobacterium smegmatis</i> recA and attenuates DNA strand exchange through binding to the C-terminal motif of mycobacterial RecA proteins. <i>Molecular Microbiology</i> , 2018, 109, 600-614.	2.5	20
54	Comparative genomics of <i>Mycobacterium tuberculosis</i> and <i>Escherichia coli</i> for recombination (rec) genes. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2093-2095.	1.8	20

#	ARTICLE	IF	CITATIONS
55	Differential regulation of MRN (Mre11â€“Rad50â€“Nbs1) complex subunits and telomerase activity in cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 575-580.	2.1	19
56	Molecular Aspects of Meiotic Chromosome Synapsis and Recombination. <i>Progress in Molecular Biology and Translational Science</i> , 2005, 79, 49-132.	1.9	18
57	Synergy between the Nâ€“terminal and Câ€“terminal domains of <i>Mycobacterium tuberculosis</i> HupB is essential for highâ€“affinity binding, DNA supercoiling and inhibition of RecAâ€“promoted strand exchange. <i>FEBS Journal</i> , 2011, 278, 3447-3462.	4.7	18
58	Probing the Potential Role of Non-B DNA Structures at Yeast Meiosis-Specific DNA Double-Strand Breaks. <i>Biophysical Journal</i> , 2017, 112, 2056-2074.	0.5	18
59	<i>Saccharomyces cerevisiae</i> Hop1 Zinc Finger Motif Is the Minimal Region Required for Its Function in Vitro. <i>Journal of Biological Chemistry</i> , 2004, 279, 28961-28969.	3.4	17
60	Selective Binding of Meiosis-specific Yeast Hop1 Protein to the Holliday Junctions Distorts the DNA Structure and Its Implications for Junction Migration and Resolution. <i>Journal of Molecular Biology</i> , 2006, 364, 599-611.	4.2	17
61	The HORMA domain: an evolutionarily conserved domain discovered in chromatin-associated proteins, has unanticipated diverse functions. <i>Gene</i> , 2014, 545, 194-197.	2.2	17
62	<i>Mycobacterium tuberculosis</i> RecA Intein Possesses a Novel ATP-dependent Site-specific Double-stranded DNA Endonuclease Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 16257-16264.	3.4	16
63	Dynamics and Regulation of RecA Polymerization and De-Polymerization on Double-Stranded DNA. <i>PLoS ONE</i> , 2013, 8, e66712.	2.5	16
64	Mechanical force antagonizes the inhibitory effects of RecX on RecA filament formation in <i>Mycobacterium tuberculosis</i> . <i>Nucleic Acids Research</i> , 2014, 42, 11992-11999.	14.5	16
65	RecA protein promoted homologous pairing in vitro. Pairing between linear duplex DNA bound to HU Protein (nucleosome cores) and nucleoprotein filaments of recA protein-single-stranded DNA. <i>Journal of Biological Chemistry</i> , 1989, 264, 17395-400.	3.4	15
66	Functional Analysis of DNA Replication Fork Reversal Catalyzed by <i>Mycobacterium tuberculosis</i> RuvAB Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 1345-1360.	3.4	14
67	Single-Molecule DNA Analysis Reveals That Yeast Hop1 Protein Promotes DNA Folding and Synapsis: Implications for Condensation of Meiotic Chromosomes. <i>ACS Nano</i> , 2012, 6, 10658-10666.	14.6	14
68	DNA-induced conformational changes in RecA protein. Evidence for structural heterogeneity among nucleoprotein filaments and implications for homologous pairing. <i>Journal of Biological Chemistry</i> , 1993, 268, 26162-70.	3.4	14
69	X-ray and molecular-dynamics studies on <i>Mycobacterium leprae</i> single-stranded DNA-binding protein and comparison with other eubacterial SSB structures. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 1048-1058.	2.5	13
70	<i>Mycobacterium tuberculosis</i> RecG Protein but Not RuvAB or RecA Protein Is Efficient at Remodeling the Stalled Replication Forks. <i>Journal of Biological Chemistry</i> , 2015, 290, 24119-24139.	3.4	12
71	Structural Characterization of â€“Motif Structure in the Human Acetylâ€“CoA Carboxylaseâ€“1 Gene Promoters and Their Role in the Regulation of Gene Expression. <i>ChemBioChem</i> , 2018, 19, 1078-1087.	2.6	12
72	Functionally important movements in RecA molecules and filaments: studies involving mutation and environmental changes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1146-1157.	2.5	11

#	ARTICLE	IF	CITATIONS
73	Structural studies on Mycobacterium tuberculosis RecA: Molecular plasticity and interspecies variability. <i>Journal of Biosciences</i> , 2015, 40, 13-30.	1.1	11
74	Discovery and Structural Characterization of G-quadruplex DNA in Human Acetyl-CoA Carboxylase Gene Promoters: Its Role in Transcriptional Regulation and as a Therapeutic Target for Human Disease. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5035-5050.	6.4	11
75	Mycobacterium tuberculosis RecA intein, a LAGLIDADG homing endonuclease, displays Mn <sup>2+</sup> and DNA-dependent ATPase activity. <i>Nucleic Acids Research</i> , 2003, 31, 4184-4191.	14.5	10
76	Meiosis-specific yeast Hop1 protein promotes pairing of double-stranded DNA helices via G/C isochores. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 934-941.	2.1	10
77	Molecular Dissection of <i>Mycobacterium tuberculosis</i> Integration Host Factor Reveals Novel Insights into the Mode of DNA Binding and Nucleoid Compaction. <i>Biochemistry</i> , 2015, 54, 4142-4160.	2.5	10
78	<i>Mycobacterium tuberculosis</i> RuvX is a Holliday junction resolvase formed by dimerisation of the monomeric YqgF nuclease domain. <i>Molecular Microbiology</i> , 2016, 100, 656-674.	2.5	10
79	Molecular Mechanism Underlying ATP-Induced Conformational Changes in the Nucleoprotein Filament of <i>Mycobacterium smegmatis</i> RecA. <i>Biochemistry</i> , 2016, 55, 1850-1862.	2.5	9
80	UvrA and UvrC subunits of the <i>Mycobacterium tuberculosis</i> UvrABC excinuclease interact independently of UvrB and DNA. <i>FEBS Letters</i> , 2020, 594, 851-863.	2.8	9
81	The Anionic Phospholipids in the Plasma Membrane Play an Important Role in Regulating the Biochemical Properties and Biological Functions of RecA Proteins. <i>Biochemistry</i> , 2019, 58, 1295-1310.	2.5	8
82	Cloning, overexpression and purification of functionally active <i>Saccharomyces cerevisiae</i> Hop1 protein from <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2010, 72, 42-47.	1.3	7
83	The RecA Intein of <i>Mycobacterium tuberculosis</i> Promotes Cleavage of Ectopic DNA Sites. <i>Journal of Biological Chemistry</i> , 2002, 277, 40352-40361.	3.4	6
84	Characterization of <i>Mycobacterium leprae</i> RecA Intein, a LAGLIDADG Homing Endonuclease, Reveals a Unique Mode of DNA Binding, Helical Distortion, and Cleavage Compared with a Canonical LAGLIDADG Homing Endonuclease. <i>Journal of Biological Chemistry</i> , 2009, 284, 25912-25928.	3.4	6
85	Elucidating the functional role of <i>Mycobacterium smegmatis</i> recX in stress response. <i>Scientific Reports</i> , 2019, 9, 10912.	3.3	6
86	Deciphering the essentiality and function of SxSx motif in <i>Mycobacterium tuberculosis</i> UvrB. <i>Biochimie</i> , 2020, 170, 94-105.	2.6	6
87	Novel insights into ATP-Stimulated Cleavage of branched DNA and RNA Substrates through Structure-Guided Studies of the Holliday Junction Resolvase RuvX. <i>Journal of Molecular Biology</i> , 2021, 433, 167014.	4.2	6
88	Phage lambda beta protein, a component of general recombination, is associated with host ribosomal S1 protein. <i>IUBMB Life</i> , 1993, 31, 1-11.	0.1	6
89	Recognition and alignment of homologous DNA sequences between minichromosomes and single-stranded DNA promoted by RecA protein. <i>Molecular Genetics and Genomics</i> , 1995, 249, 336-348.	2.4	5
90	Crystallization and preliminary X-ray studies of the C-terminal domain of <i>Mycobacterium tuberculosis</i> LexA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1093-1095.	0.7	5



#	ARTICLE	IF	CITATIONS
91	Genetic and biochemical evidences reveal novel insights into the mechanism underlying <i>Saccharomyces cerevisiae</i> Sae2-mediated abrogation of DNA replication stress. <i>Journal of Biosciences</i> , 2016, 41, 615-641.	1.1	5
92	<i>Saccharomyces cerevisiae</i> Red1 protein exhibits nonhomologous DNA endâ€‘joining activity and potentiates Hop1-promoted pairing of double-stranded DNA. <i>Journal of Biological Chemistry</i> , 2017, 292, 13853-13866.	3.4	5
93	Targeting G-quadruplex DNA with synthetic dendritic peptide: modulation of the proliferation of human cancer cells. <i>RSC Advances</i> , 2020, 10, 26388-26396.	3.6	5
94	The intrinsic ATPase activity of <i>Mycobacterium tuberculosis</i> UvrC is crucial for its damageâ€‘specific DNA incision function. <i>FEBS Journal</i> , 2021, 288, 1179-1200.	4.7	5
95	Functional roles of Nâ€‘terminal and Câ€‘terminal domains in the overall activity of a novel singleâ€‘stranded DNA binding protein of <i>Deinococcus radiodurans</i> . <i>FEBS Open Bio</i> , 2015, 5, 378-387.	2.3	4
96	Molecular and Functional Characterization of RecD, a Novel Member of the SF1 Family of Helicases, from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 11948-11968.	3.4	4
97	Defining the Functionally Important Domain and Amino Acid Residues in <i>Mycobacterium tuberculosis</i> Integration Host Factor for Genome Stability, DNA Binding, and Integrative Recombination. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	4
98	The extended N-terminus of <i>Mycobacterium smegmatis</i> RecX potentiates its ability to antagonize RecA functions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140468.	2.3	4
99	Interrogating the substrate specificity landscape of UvrC reveals novel insights into its non-canonical function. <i>Biophysical Journal</i> , 2022, 121, 3103-3125.	0.5	4
100	Binding and regulatory properties of phosphofructokinase from swine kidney. <i>Molecular and Cellular Biochemistry</i> , 1984, 63, 21-32.	3.1	3
101	Mutational analysis of activeâ€‘site residues in the <i>Mycobacterium leprae</i> RecA intein, a LAGLIDADG homing endonuclease: Asp <sup>122</sup> and Asp <sup>193</sup> are crucial to the doubleâ€‘stranded DNA cleavage activity whereas Asp <sup>218</sup> is not. <i>Protein Science</i> , 2010, 19, 111-123.	7.6	3
102	Evidence for functional and regulatory cross-talk between Wnt/ $\beta$ -catenin signalling and Mre11-Rad50â€‘Nbs1 complex in the repair of cisplatin-induced DNA cross-links. <i>Oncotarget</i> , 2020, 11, 4028-4044.	1.8	3
103	Homologous pairing between nucleosome cores on a linear duplex DNA and nucleoprotein filaments of RecA protein-single stranded DNA. <i>Biochimie</i> , 1991, 73, 187-190.	2.6	2
104	Effects of nucleosomes and anti-tumor drugs on the catalytic activity of type II DNA topoisomerase from rat testis. <i>Biochemical Pharmacology</i> , 1997, 53, 1229-1238.	4.4	2
105	Substrate specificity plays an important role in uncoupling the catalytic and scaffolding activities of rat testis DNA topoisomerase III $\alpha$ . <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 18, 749-760.	3.5	2
106	Molecular Dissection of <i>Mycobacterium tuberculosis</i> Integration Host Factor Reveals Novel Insights into the Mode of DNA Binding and Nucleoid Compaction. <i>Journal of Biological Chemistry</i> , 2014, 289, 34325-34340.	3.4	2
107	Nucleotide Excision Repair Pathway in <i>Mycobacteria</i> . , 2019, , 275-300.		2
108	<i>Mycobacterium tuberculosis</i> RuvX is a Holliday junction resolvase formed by dimerisation of the monomeric YqgF nuclease domain. <i>Molecular Microbiology</i> , 2016, 101, 182-182.	2.5	1

#	ARTICLE	IF	CITATIONS
109	Nano-Assemblies of a Synthetic Peptide: Illuminating Aggregation Potential, Amyloidogenicity and Cytotoxicity. <i>ChemistrySelect</i> , 2021, 6, 11103-11107.	1.5	1
110	Dual targeting of <i>Saccharomyces cerevisiae</i> Pso2 to mitochondria and the nucleus, and its functional relevance in the repair of DNA interstrand crosslinks. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	1