

# Richard L Karpel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8086862/publications.pdf>

Version: 2024-02-01

22  
papers

630  
citations

623734

14  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

422  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Crotamine Cell-Penetrating Nanocarriers: Cancer-Targeting and Potential Biotechnological and/or Medical Applications. <i>Methods in Molecular Biology</i> , 2020, 2118, 61-89.   | 0.9 | 9         |
| 2  | Single-stranded nucleic acid binding proteins. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 89-91.  | 5.0 | 0         |
| 3  | Design and characterization of crotamine-functionalized gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 1-8.  | 5.0 | 14        |
| 4  | The role of the C-domain of bacteriophage T4 gene 32 protein in ssDNA binding and dsDNA helix-destabilization: Kinetic, single-molecule, and cross-linking studies. <i>PLoS ONE</i> , 2018, 13, e0194357.                            | 2.5 | 6         |
| 5  | DNA Binding Proteins and Drug Delivery Vehicles: Tales of Elephants and Snakes. <i>Current Protein and Peptide Science</i> , 2015, 16, 718-726.  | 1.4 | 1         |
| 6  | The illusive search for the lowest free energy state of globular proteins and RNAs. <i>DNA Repair</i> , 2014, 21, 158-162.   | 2.8 | 0         |
| 7  | DNA-Interactive Properties of Crotamine, a Cell-Penetrating Polypeptide and a Potential Drug Carrier. <i>PLoS ONE</i> , 2012, 7, e48913.   | 2.5 | 31        |
| 8  | Structural modeling of Gene 32 protein and SSB's roles in DNA replication, recombination and repair. <i>FASEB Journal</i> , 2010, 24, lb48.  | 0.5 | 0         |
| 9  | Quantifying DNA-Protein Interactions by Single Molecule Stretching. <i>Methods in Cell Biology</i> , 2008, 84, 517-540.  | 1.1 | 2         |
| 10 | Salt Dependent Binding of T4 Gene 32 Protein to Single and Double-stranded DNA: Single Molecule Force Spectroscopy Measurements. <i>Journal of Molecular Biology</i> , 2005, 349, 317-330.   | 4.2 | 74        |
| 11 | Theory of Electrostatically Regulated Binding of T4 Gene 32 Protein to Single- and Double-Stranded DNA. <i>Biophysical Journal</i> , 2005, 89, 1941-1956.  | 0.5 | 37        |
| 12 | Single molecule force spectroscopy studies of DNA denaturation by T4 gene 32 protein. <i>Spectroscopy</i> , 2004, 18, 203-211.   | 0.8 | 24        |
| 13 | Mechanical Measurement of Single-molecule Binding Rates: Kinetics of DNA Helix-destabilization by T4 Gene 32 Protein. <i>Journal of Molecular Biology</i> , 2004, 336, 851-870.  | 4.2 | 77        |
| 14 | Kinetic Regulation of Single DNA Molecule Denaturation by T4 Gene 32 Protein Structural Domains. <i>Journal of Molecular Biology</i> , 2003, 327, 571-578.   | 4.2 | 77        |
| 15 | HIV-1 Nucleocapsid Protein as a Nucleic Acid Chaperone: Spectroscopic Study of its Helix-destabilizing Properties, Structural Binding Specificity, and Annealing Activity. <i>Journal of Molecular Biology</i> , 2002, 318, 749-764. | 4.2 | 99        |
| 16 | LAST Motifs and SMART Domains in Gene 32 Protein: An Unfolding Story of Autoregulation?. <i>IUBMB Life</i> , 2002, 53, 161-166.  | 3.4 | 18        |
| 17 | Domain Effects on the DNA-interactive Properties of Bacteriophage T4 Gene 32 Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 2509-2516.   | 3.4 | 24        |
| 18 | Details of the nucleic acid binding site of T4 gene 32 protein revealed by proteolysis and DNA T m depression methods 1 1Edited by R. Ebright. <i>Journal of Molecular Biology</i> , 1999, 286, 1107-1121.                           | 4.2 | 17        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Monitoring metal ion flux in reactions of metallothionein and drug-modified metallothionein by electrospray mass spectrometry. <i>Protein Science</i> , 1998, 7, 2398-2404.    | 7.6 | 80        |
| 20 | Characterization of a 32-Residue Peptide From Rat DNA Polymerase $\beta$ With Single-Stranded DNA-Binding Affinity. <i>Techniques in Protein Chemistry</i> , 1994, 5, 359-369. | 0.3 | 1         |
| 21 | Bacteriophage T4 gene 32 protein: Modulation of protein-nucleic acid and protein-protein association by structural domains. <i>Biochemistry</i> , 1993, 32, 9735-9744.         | 2.5 | 23        |
| 22 | Spectroscopic characterization of the copper(I)-thiolate cluster in the DNA-binding domain of yeast ACE1 transcription factor. <i>FEBS Letters</i> , 1991, 281, 205-208.       | 2.8 | 16        |