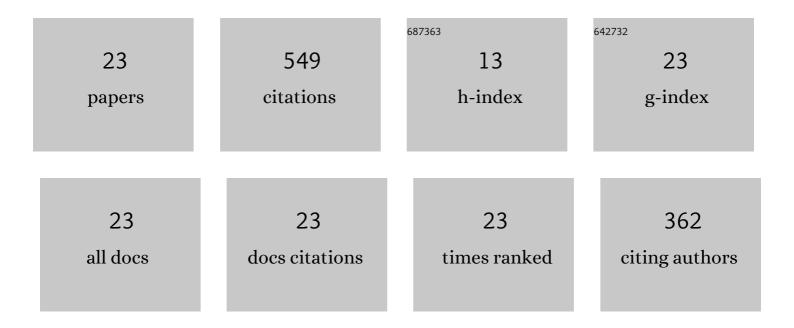
## Deborah K Hanson

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Recombinant immunoglobulin variable domains generated from synthetic genes provide a system for<br>in vitro characterization of lightâ€chain amyloid proteins. Protein Science, 1995, 4, 421-432.                  | 7.6 | 98        |
| 2  | Quinone Reduction via Secondary B-Branch Electron Transfer in Mutant Bacterial Reaction Centersâ€.<br>Biochemistry, 2003, 42, 1718-1730.   | 2.5 | 71        |
| 3  | Comparison of M-Side Electron Transfer in Rb. sphaeroides and Rb. capsulatus Reaction Centers.<br>Journal of Physical Chemistry B, 2002, 106, 1799-1808.   | 2.6 | 58        |
| 4  | Long-range electrostatic interaction in the bacterial photosynthetic reaction centre. Nature<br>Structural and Molecular Biology, 1995, 2, 1057-1059.  | 8.2 | 52        |
| 5  | B-Side Charge Separation in Bacterial Photosynthetic Reaction Centers:Â Nanosecond Time Scale<br>Electron Transfer from HB-to QBâ€. Biochemistry, 2003, 42, 2016-2024.   | 2.5 | 41        |
| 6  | Antenna Excited State Decay Kinetics Establish Primary Electron Transfer in Reaction Centers as<br>Heterogeneousâ€. Biochemistry, 1997, 36, 8677-8685.   | 2.5 | 25        |
| 7  | B-Side Electron Transfer To Form P+HB- in Reaction Centers from the F(L181)Y/Y(M208)F Mutant of Rhodobacter capsulatus. Journal of Physical Chemistry B, 2004, 108, 11827-11832.                                   | 2.6 | 24        |
| 8  | Detergent effects on primary charge separation in wild-type and mutant Rhodobacter capsulatus reaction centers. Chemical Physics, 2003, 294, 305-318.  | 1.9 | 22        |
| 9  | Title is missing!. Photosynthesis Research, 1998, 55, 267-273.   | 2.9 | 21        |
| 10 | Determination of the Rate and Yield of B-side Quinone Reduction inRhodobacter capsulatusReaction<br>Centersâ€. Biochemistry, 2006, 45, 7314-7322.  | 2.5 | 20        |
| 11 | Manipulating the Energetics and Rates of Electron Transfer in <i>Rhodobacter capsulatus</i><br>Reaction Centers with Asymmetric Pigment Content. Journal of Physical Chemistry B, 2017, 121,<br>6989-7004.         | 2.6 | 15        |
| 12 | In Bacterial Reaction Centers, a Key Residue Suppresses Mutational Blockage of Two Different Proton<br>Transfer Stepsâ€. Biochemistry, 1998, 37, 2077-2083.  | 2.5 | 14        |
| 13 | Title is missing!. Photosynthesis Research, 1997, 52, 93-103.  | 2.9 | 13        |
| 14 | High Throughput Engineering to Revitalize a Vestigial Electron Transfer Pathway in Bacterial<br>Photosynthetic Reaction Centers. Journal of Biological Chemistry, 2012, 287, 8507-8514.                            | 3.4 | 11        |
| 15 | Switching sides—Reengineered primary charge separation in the bacterial photosynthetic reaction<br>center. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117,<br>865-871. | 7.1 | 11        |
| 16 | High yield of secondary B-side electron transfer in mutant Rhodobacter capsulatus reaction centers.<br>Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1892-1903.                                       | 1.0 | 10        |
| 17 | A native electrostatic environment near QB is not sufficient to ensure rapid proton delivery in photosynthetic reaction centers. FEBS Letters, 1997, 407, 159-163.   | 2.8 | 9         |
| 18 | Species differences in unlocking Bâ€side electron transfer in bacterial reaction centers. FEBS Letters, 2016, 590, 2515-2526.  | 2.8 | 8         |

| #  | Article  | lF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Optimizing multi-step B-side charge separation in photosynthetic reaction centers from Rhodobacter capsulatus. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 150-159.                           | 1.0 | 8         |
| 20 | Title is missing!. Photosynthesis Research, 1998, 55, 275-280.   | 2.9 | 7         |
| 21 | Lysine substitutions near photoactive cofactors in the bacterial photosynthetic reaction center have opposite effects on the rate of triplet energy transfer. Chemical Physics, 2003, 294, 329-346.          | 1.9 | 5         |
| 22 | Consequences of saturation mutagenesis of the protein ligand to the B-side monomeric<br>bacteriochlorophyll in reaction centers from Rhodobacter capsulatus. Photosynthesis Research,<br>2019, 141, 273-290. | 2.9 | 5         |
| 23 | In Situ, Protein-Mediated Generation of a Photochemically Active Chlorophyll Analogue in a Mutant<br>Bacterial Photosynthetic Reaction Center. Biochemistry, 2021, 60, 1260-1275.                            | 2.5 | 1         |