Mark L. Paddock

PUBLISHED WORK (Research Articles -69)


43. XM. Gong, M.L. Paddock, M.Y. Okamura; “Interactions between cytochrome c(2) and photosynthetic reaction center from Rhodobacter sphaeroides: Changes in binding affinity and electron transfer rate due to mutation of interfacial hydrophobic residues are strongly correlated”; Biochemistry 42, 14492-14500 (2003).


OTHER WORK (ABSTRACTS/PRESENTATIONS LAST 5 YEARS)


17. Paddock ML and Okamura, MY (2007) Binding of Li\textsuperscript{+} inhibits proton transfer to reduced Q\textsubscript{B} in the bacterial reaction center. \textit{Biophys. J. (Abstracts)}, 92, A506. (51\textsuperscript{st} Annual Meeting of the Biophysical Society in Baltimore, MD, March 3-7, 2007.


20. Okamura, M, Paddock, M, Isaacson, R and Shepherd, J (2007) EPR and ENDOR studies of the protonated rhodosemiquinone in the Q\textsubscript{B} site in bacterial reaction centers lacking Q\textsubscript{A}. \textit{Photosynth Res.} 91, 143. (14th International Congress of Photosynthesis, 22nd - 27th July 2007, Glasgow)


22. Abresch, EC, Axelrod, HL, Cohen, AE, Paddock, ML and Okamura, MY (2008) Binding of Strontium and Calcium Ions to Reaction Centers from Rb. sphaeroides Increases the


