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список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций)

1. Yanykin DV, Khorobrykh AA, Mamedov MD, Klimov VV. Trehalose protects Mn-depleted photosystem 2 preparations against the donor-side photoinhibition. **J. Photochem. Photobiol. B: Biology** 2016, **164**: 236-243.
2. Malferrari M, Savitsky A, Mamedov MD, Milanovsky GE, Lubitz W, Möbius K, Semenov AY, Venturoli G. Trehalose matrix effects on charge-recombination kinetics in Photosystem I of oxygenic photosynthesis at different dehydration levels. **Biochim. Biophys. Acta (Bioenergetics)** 2016, **1857(9)**: 1440–1454.
3. Paschenko VZ, Churin AA, Gorokhov VV, Grishanova NP, Korvatovskii BN, Maksimov EG, Mamedov MD. The efficiency of non-photochemical fluorescence quenching by cation radicals in photosystem II reaction centers. **Photosynth Res.** 2016 doi: [10.1007/s11120-016-0260-z](https://doi.org/10.1007/s11120-016-0260-z)
4. Siletsky SA, Mamedov MD, Lukashev EP, Balashov SP, Dolgikh DA, Rubin AB, Kirpichnikov MP, Lada E. Petrovskaya LE, Electrogenic steps of light-driven proton transport in ESR, a retinal protein from *Exiguobacterium sibiricum*. **Biochim. Biophys. Acta (Bioenergetics)** 2016, **1857(11)**: 1741-1750.

5. Bogachev AV, Bertsova YV, Verkhovskaya ML, Mamedov MD, Skulachev VP. Real-time kinetics of electrogenic Na(+) transport by rhodopsin from the marine flavobacterium *Dokdonia* sp. PRO95. *Sci Rep.* 2016, 6: 21397. doi: 10.1038/srep21397.
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8. Trubitsin BV, Mamedov MD, Semenov AY, Tikhonov AN. Interaction of ascorbate with photosystem I. *Photosynth Res.* 2014, 122(2): 215–231.
9. Petrova IO, Kurashov VN, Zaspa AA, Semenov AY, Mamedov MD. Vectorial charge transfer reactions on the donor side of manganese-depleted and reconstituted photosystem 2 core complexes. *Biochemistry (Moscow)* 2013, 78(4): 395–402.
10. Mula S, Savitsky A, Möbius K, Lubitz W, Golbeck JH, Mamedov MD, Semenov AY, van der Est A. Incorporation of a high potential quinone reveals that electron transfer in Photosystem I becomes highly asymmetric at low temperature. *Photochem Photobiol Sci.* 2012, 11(6): 946–56.
11. Mamedov MD, Kurashov VN, Petrova IO, Semenov AY. Transmembrane electric potential difference in the protein-pigment complex of photosystem 2. *Biochemistry (Moscow)*. 2012, 77(9): 947–55.
12. Semenov A.Yu., Kurashov V.N., Mamedov M.D. Transmembrane charge transfer in photosynthetic reaction centers: Some similarities and distinctions. *J. Photochem. Photobiol. B: Biology* 2011, 104: 326–332 (review).