

野口 巧 (計画班 A02)

2019 年度 会議発表

1. 北島(井原)智美、鈴木健裕、中村伸、嶋田友一郎、長尾遼、堂前直、野口巧, “光化学系 II における Mn クラスターのカルボキシレート配位子変異体の光誘起アミノ酸変換”, 日本植物生理学会年会, (大阪, 日本)
2. 嶋田友一郎、中島聖竜、小林智幸、長尾遼、野口巧, “光化学系 II の pH に依存した電子移動制御における D1-H252 の役割”, 日本植物生理学会年会, (大阪, 日本)
3. 加藤祐樹, 埴生悟史, 中島芳樹, 秋田総理, 沈 建仁, 野口 巧, “顕微赤外分光法を用いた光合成光化学系 II の単一微結晶における水分解反応の解析”, 日本物理学会年会, (名古屋, 日本)
4. Yutaka Shibata, Sankar Jana, Ting Du, Ryo Nagao, and Takumi Noguchi, “Single molecule spectroscopy on photosystem i revealed the dynamical nature of the light harvesting”, 3rd International Solar Fuels Conference/International Conference on Artificial Photosynthesis-2019, (広島, 日本, 11/22/2019)
5. Takumi Noguchi, “Infrared studies on the water oxidation and electron transfer reactions in photosystem II”, 3rd International Solar Fuels Conference/International Conference on Artificial Photosynthesis-2019, (広島, 日本, 11/21/2019) 招待
6. Yuki Kato, Satoshi Haniu, Yoshiki Nakajima, Fusamichi Akita, Jian-Ren Shen, and Takumi Noguchi, “FTIR microspectroscopic study on the water oxidation in a single photosystem II microcrystal”, 3rd International Solar Fuels Conference/International Conference on Artificial Photosynthesis-2019, (広島, 日本, 11/21/2019)
7. Takumi Noguchi, “Infrared detection of protons and water molecules in photosynthetic water oxidation”, 日本生物物理学会年会, (宮崎, 日本, 9/24/2019) 招待
8. Takaya Tokano, Yuki Kato, Syogo Sugiyama, Takumi Noguchi, Takayuki Uchihashi, “Dynamics of photosystem II protein complexes as observed by high speed atomic force microscopy”, 日本生物物理学会年会, (宮崎, 日本, 9/24/2019)
9. Yuichio Shimada, Seiryu Nakajima, Ryo Nagao, Takumi Noguchi, “Molecular mechanism of pH-dependent electron-flow regulation in photosystem II”, 日本生物物理学会年会, (宮崎, 日本, 9/24/2019)
10. Taichi Hayase, Yuichiro Shimada, Ryo Nagao, and Takumi Noguchi, “FTIR study on the localization of the excited triplet state of chlorophyll in photosystem II”, 日本生物物理学会年会, (宮崎, 日本, 9/25/2019)
11. Shota Taguchi, Liangliang Shen, Guangye Han, Jian-Ren Shen, Takumi Noguchi, Hiroyuki Mino, “Equilibrium of the S₂-state isomers of the water-oxidizing Mn₄CaO₅ cluster in photosystem II regulated by extrinsic proteins”, 日本生物物理学会年会, (宮

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12. Masao Yamamoto, Shin Nakamura, and Takumi Noguchi, "QM/MM analysis of the protonation structure of the S0 state in the water-oxidizing Mn_4CaO_5 cluster", 日本生物物理学会年会, (宮崎, 日本, 9/24/2019)
13. Yasutada Okamoto, Yuichiro Shimada, Ryo Nagao, Takumi Noguchi, "Time-resolved infrared analysis of proton release pathways in photosynthetic water oxidation using a D1-N298A mutant and NO_3^- substitution", 日本生物物理学会年会, (宮崎, 日本, 9/24/2019)
14. Yuki Kato, Satoshi Haniu, Yoshiki Nakajima, Fusamichi Akita, Jian-Ren Shen, Takumi Noguchi, "Infrared microspectroscopic study on water oxidation in a single photosystem II microcrystal", 日本生物物理学会年会, (宮崎, 日本, 9/24/2019)
15. Yuki Kato, Fusamichi Akita, Yoshiki Nakajima, Satoshi Haniu, Michihiro Suga, Yasufumi Umena, Jian-Ren Shen, Takumi Noguchi, "FTIR study on the water oxidation reaction in photosystem II microcrystals", 10th International Conference Photosynthesis and Hydrogen Energy Research for Sustainability-2019, (サンクトペテルブルグ, ロシア, 6/25/2019)
16. 嶋田友一郎、中島聖竜、長尾遼、野口巧, "光化学系 II における pH に依存する電子移動制御の分子機構", 第 10 回日本光合成学会年会, (京都, 日本, 5/25/2019)
17. 加藤祐樹、埴生悟史、中島芳樹、秋田総理、沈 建仁、野口 巧, "顕微赤外分光法による光化学系 II の単一微結晶における水分解反応の解析", 第 10 回日本光合成学会年会, (京都, 日本, 5/25/2019)
18. Takumi Noguchi, "Infrared analyses of electron and proton transfer reactions in photosystem II", Annual Meeting of the French Photosynthesis Society, (Gif-sur-Yvette, フランス, 5/10/2019) 招待