

Toru Kondo

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

614
citations

687363

13
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmed coherent coupling in a synthetic DNA-based excitonic circuit. <i>Nature Materials</i> , 2018, 17, 159-166.	27.5	106
2	Single-Molecule Fluorescence Spectroscopy of Photosynthetic Systems. <i>Chemical Reviews</i> , 2017, 117, 860-898.	47.7	87
3	Single-molecule spectroscopy of LHCSR1 protein dynamics identifies two distinct states responsible for multi-timescale photosynthetic photoprotection. <i>Nature Chemistry</i> , 2017, 9, 772-778.	13.6	79
4	Photophysics of J-Aggregate-Mediated Energy Transfer on DNA. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5827-5833.	4.6	56
5	Interaction and Inhibitory Effect of Ammonium Cation in the Oxygen Evolving Center of Photosystem II. <i>Biochemistry</i> , 2011, 50, 2506-2514.	2.5	30
6	Microsecond and millisecond dynamics in the photosynthetic protein LHCSR1 observed by single-molecule correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11247-11252.	7.1	30
7	An Electron Spin-Polarized Signal of the P800 ⁺ A ₁ (Q) ^{•+} State in the Homodimeric Reaction Center Core Complex of <i>Heliobacterium modesticaldum</i> . <i>Biochemistry</i> , 2008, 47, 4386-4393.	2.5	27
8	Dark-operative protochlorophyllide oxidoreductase generates substrate radicals by an iron-sulphur cluster in bacteriochlorophyll biosynthesis. <i>Scientific Reports</i> , 2014, 4, 5455.	3.3	27
9	Menaquinone as the Secondary Electron Acceptor in the Type I Homodimeric Photosynthetic Reaction Center of <i>Heliobacterium modesticaldum</i> . <i>Journal of Physical Chemistry B</i> , 2015, 119, 8480-8489.	2.6	24
10	Parallel electron donation pathways to cytochrome cz in the type I homodimeric photosynthetic reaction center complex of <i>Chlorobium tepidum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1211-1217.	1.0	20
11	EPR study of 1Asp-3Cys ligated 4Fe-4S iron-sulfur cluster in NB-protein (BchN-BchB) of a dark-operative protochlorophyllide reductase complex. <i>FEBS Letters</i> , 2011, 585, 214-218.	2.8	18
12	A heterogeneous tag-attachment to the homodimeric type 1 photosynthetic reaction center core protein in the green sulfur bacterium <i>Chlorobaculum tepidum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 803-812.	1.0	16
13	Observation of robust energy transfer in the photosynthetic protein allophycocyanin using single-molecule pump-probe spectroscopy. <i>Nature Chemistry</i> , 2022, 14, 153-159.	13.6	16
14	Light-Induced Electron Spin-Polarized (ESP) EPR Signal of the P800 ⁺ Menaquinone ^{•-} Radical Pair State in Oriented Membranes of <i>Heliobacterium modesticaldum</i> : Role/Location of Menaquinone in the Homodimeric Type I Reaction Center. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2536-2543.	2.6	13
15	Nicotinamide is a specific inhibitor of dark-operative protochlorophyllide oxidoreductase, a nitrogenase-like enzyme, from <i>Rhodobacter capsulatus</i> . <i>FEBS Letters</i> , 2013, 587, 3142-3147.	2.8	10
16	Spectrally-tunable femtosecond single-molecule pump-probe spectroscopy. <i>Optics Express</i> , 2021, 29, 28246.	3.4	8
17	Alumina Plate Containing Photosystem I Reaction Center Complex Oriented inside Plate-Penetrating Silica Nanopores. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9785-9792.	2.6	7
18	Cryogenic Fluorescence Localization Microscopy of Spectrally Selected Individual FRET Pairs in a Water Matrix. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6906-6911.	2.6	7

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19	Cryogenic Single-Molecule Spectroscopy of the Primary Electron Acceptor in the Photosynthetic Reaction Center. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3980-3986.	4.6	7
20	Three-dimensional laser-scanning confocal reflecting microscope for multicolor single-molecule imaging at 1.5 K. <i>Chemical Physics Letters</i> , 2014, 591, 233-236.	2.6	6
21	Orientations of Iron-Sulfur Clusters F _A and F _B in the Homodimeric Type-I Photosynthetic Reaction Center of <i>Heliobacterium modesticaldum</i> . <i>Journal of Physical Chemistry B</i> , 2016, 120, 4204-4212.	2.6	5
22	Temperature dependence of relaxation time of a stable radical pair in SyPixD investigated by pulsed EPR. <i>Chemical Physics Letters</i> , 2011, 501, 528-533.	2.6	4
23	Energy transfer fluctuation observed by single-molecule spectroscopy of red-shifted bacteriochlorophyll in the homodimeric photosynthetic reaction center. <i>Journal of Chemical Physics</i> , 2022, 156, 105102.	3.0	4
24	Recent advances in single-molecule spectroscopy studies on light-harvesting processes in oxygenic photosynthesis. <i>Biophysics and Physicobiology</i> , 2022, 19, n/a.	1.0	3
25	Pulsed EPR Analysis of the Photo-Induced Triplet Radical Pair in the BLUF Protein SyPixD: Determination of the Protein-Protein Distance and Orientation in the Oligomeric Protein. <i>Applied Magnetic Resonance</i> , 2011, 40, 545-555.	1.2	2
26	2P329 Arrangements of the electron transfer cofactors in the homodimer reaction center of <i>Heliobacterium modesticaldum</i> (Photobiology-photosynthesis,Poster Presentations). <i>Seibutsu Butsuri</i> , 2007, 47, S195.	0.1	0
27	3P-273 Arrangements of the electron transfer cofactor A ₁ (menaquinone) molecule in the homodimer reaction center of <i>Heliobacterium modesticaldum</i> (The 46th Annual Meeting of the Biophysical Society) Tj ETQq1 1 @.784314orgBT /O		
28	3P-223 Spectroscopic characterization of the His-tagged homodimeric photosynthetic reaction center(Photobiology:Photosynthesis,The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2009, 49, S188.	0.1	0
29	Photosynthetic Photoprotection by Tuning Protein Dynamics. <i>Seibutsu Butsuri</i> , 2018, 58, 263-264.	0.1	0