

# Toru Kondo

## List of Publications by Year in descending order

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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	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
2	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
3	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
4	Spectrally-tunable femtosecond single-molecule pump-probe spectroscopy. <i>Optics Express</i> , 2021, 29, 28246.	3.4	8
5	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
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	Light-Induced Electron Spin-Polarized (ESP) EPR Signal of the P800 <sup>+</sup> Radical Pair State in Oriented Membranes of <i>Helio bacterium 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
8	Programmed coherent coupling in a synthetic DNA-based excitonic circuit. <i>Nature Materials</i> , 2018, 17, 159-166.	27.5	106
9	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
10	Photosynthetic Photoprotection by Tuning Protein Dynamics. <i>Seibutsu Butsuri</i> , 2018, 58, 263-264.	0.1	0
11	Single-Molecule Fluorescence Spectroscopy of Photosynthetic Systems. <i>Chemical Reviews</i> , 2017, 117, 860-898.	47.7	87
12	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
13	Photophysics of J-Aggregate-Mediated Energy Transfer on DNA. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5827-5833.	4.6	56
14	Orientations of Iron-Sulfur Clusters F <sub>A</sub> and F <sub>B</sub> in the Homodimeric Type-I Photosynthetic Reaction Center of <i>Helio bacterium modesticaldum</i> . <i>Journal of Physical Chemistry B</i> , 2016, 120, 4204-4212.	2.6	5
15	Menaquinone as the Secondary Electron Acceptor in the Type I Homodimeric Photosynthetic Reaction Center of <i>Helio bacterium modesticaldum</i> . <i>Journal of Physical Chemistry B</i> , 2015, 119, 8480-8489.	2.6	24
16	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
17	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
18	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

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19	Nicotinamide is a specific inhibitor of dark-operative protochlorophyllide oxidoreductase, a nitrogenase-like enzyme, from <i>Rhodobacter capsulatus</i> . FEBS Letters, 2013, 587, 3142-3147.	2.8	10
20	Interaction and Inhibitory Effect of Ammonium Cation in the Oxygen Evolving Center of Photosystem II. Biochemistry, 2011, 50, 2506-2514.	2.5	30
21	EPR study of 1Asp-3Cys ligated 4Fe-4S iron-sulfur cluster in NB-protein (BchN-BchB) of a dark-operative protochlorophyllide reductase complex. FEBS Letters, 2011, 585, 214-218.	2.8	18
22	A heterogeneous tag-attachment to the homodimeric type 1 photosynthetic reaction center core protein in the green sulfur bacterium <i>Chlorobaculum tepidum</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 803-812.	1.0	16
23	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. Applied Magnetic Resonance, 2011, 40, 545-555.	1.2	2
24	Temperature dependence of relaxation time of a stable radical pair in SyPixD investigated by pulsed EPR. Chemical Physics Letters, 2011, 501, 528-533.	2.6	4
25	3P-223 Spectroscopic characterization of the His-tagged homodimeric photosynthetic reaction center (Photobiology:Photosynthesis, The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S188.	0.1	0
26	Parallel electron donation pathways to cytochrome cz in the type I homodimeric photosynthetic reaction center complex of <i>Chlorobium tepidum</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1211-1217.	1.0	20
27	An Electron Spin-Polarized Signal of the P800 <sup>+</sup> A <sub>1</sub> (Q) <sup>•-</sup> State in the Homodimeric Reaction Center Core Complex of <i>Heliobacterium modesticaldum</i> . Biochemistry, 2008, 47, 4386-4393.	2.5	27
28	3P-273 Arrangements of the electron transfer cofactor A <sub>1</sub> (menaquinone) molecule in the homodimer reaction center of <i>Heliobacterium modesticaldum</i> (The 46th Annual Meeting of the Biophysical Society) Tj ETQq0 00.rgBT /Oerlock 10		
29	2P329 Arrangements of the electron transfer cofactors in the homodimer reaction center of <i>Heliobacterium modesticaldum</i> (Photobiology-photosynthesis, Poster Presentations). Seibutsu Butsuri, 2007, 47, S195.	0.1	0