Koichi Tamaki

List of Publications by Year
in descending order

29 papers	2,879 citations	304743 22 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	2319 citing authors

#	Article	IF	Citations
1	Modulating Charge Separation and Charge Recombination Dynamics in Porphyrinâ"Fullerene Linked Dyads and Triads:Â Marcus-Normal versus Inverted Region. Journal of the American Chemical Society, 2001, 123, 2607-2617.	13.7	537
2	Charge Separation in a Novel Artificial Photosynthetic Reaction Center Lives 380 ms. Journal of the American Chemical Society, 2001, 123, 6617-6628.	13.7	500
3	An Extremely Small Reorganization Energy of Electron Transfer in Porphyrinâ"Fullerene Dyad. Journal of Physical Chemistry A, 2001, 105, 1750-1756.	2.5	275
4	Stepwise Charge Separation and Charge Recombination in Ferrocene-meso,meso-Linked Porphyrin Dimerâ"Fullerene Triad. Journal of the American Chemical Society, 2002, 124, 5165-5174.	13.7	215
5	Chain Length Effect on the Structure and Photoelectrochemical Properties of Self-Assembled Monolayers of Porphyrins on Gold Electrodes. Journal of Physical Chemistry B, 2000, 104, 1253-1260.	2.6	196
6	A Molecular Tetrad Allowing Efficient Energy Storage for 1.6 s at 163 K. Journal of Physical Chemistry A, 2004, 108, 541-548.	2.5	169
7	A New Trend in Phenalenyl Chemistry: A Persistent Neutral Radical, 2,5,8-Tri-tert-butyl-1,3-diazaphenalenyl, and the Excited Triplet State of the Gablesyn-Dimer in the Crystal of Column Motif. Angewandte Chemie - International Edition, 2002, 41, 1793-1796.	13.8	156
8	Chain Length Effect on Photocurrent from Polymethylene-Linked Porphyrins in Self-Assembled Monolayers. Langmuir, 1998, 14, 5335-5338.	3.5	105
9	N-fused carbazoleâ€"zinc porphyrinâ€"free-base porphyrin triad for efficient near-IR dye-sensitized solar cells. Chemical Communications, 2011, 47, 4010.	4.1	102
10	Near infra-red emission of charge-transfer complexes of porphyrinâ€"fullerene films. Chemical Physics Letters, 2000, 326, 344-350.	2.6	87
11	Photosynthetic electron transfer using fullerenes as novel acceptors. Carbon, 2000, 38, 1599-1605.	10.3	76
12	Large Acceleration Effect of Photoinduced Electron Transfer in Porphyrinâ"Quinone Dyads with a Rigid Spacer Involving a Dihalosubstituted Three-Membered Ring. Journal of the American Chemical Society, 2000, 122, 2279-2288.	13.7	50
13	Synthesis and photophysical properties of a diporphyrinâ€"fullerene triad. Chemical Communications, 1999, , 625-626.	4.1	44
14	Linkage Dependent Charge Separation and Charge Recombination in Porphyrin-Pyromellitimide-Fullerene Triads. Journal of Physical Chemistry A, 2002, 106, 2803-2814.	2.5	43
15	Determination of unique power conversion efficiency of solar cell showing hysteresis in the I-V curve under various light intensities. Scientific Reports, 2017, 7, 11790.	3.3	38
16	Ethynyl-linked pushâ€"pull porphyrin hetero-dimers for near-IR dye-sensitized solar cells: photovoltaic performances versus excited-state dynamics. Physical Chemistry Chemical Physics, 2012, 14, 16703.	2.8	32
17	Acceleration of Photoinduced Electron Transfer in Porphyrin-Linked C70. Chemistry Letters, 1999, 28, 227-228.	1.3	31
18	Acceleration and deceleration of photoinduced electron transfer rates by an electric field in porphyrin-fullerene dyads. Chemical Physics Letters, 2003, 368, 230-235.	2.6	31

#	Article	IF	Citations
19	Meso-meso Linked Porphyrin Dimers for Dye-sensitized Solar Cells. Electrochemistry, 2009, 77, 206-209.	1.4	25
20	Electronic Interactions between Inorganic Nanowires and Organic Electron Acceptors:â€‰ Drastic Changes in Optical Response and Molecular Vibration. Journal of Physical Chemistry C, 2007, 111, 1146-1149.	3.1	24
21	Dye-sensitized solar cells using ethynyl-linked porphyrin trimers. Physical Chemistry Chemical Physics, 2014, 16, 4551.	2.8	24
22	Phenalenyl-Based Highly Conductive Molecular Systems with Hydrogen-Bonded Networks: Synthesis, Physical Properties, and Crystal Structures of 1,3- and 1,6-Diazaphenalenes, and Their Protonated Salts and Charge-Transfer Complexes with TCNQ. Bulletin of the Chemical Society of Japan, 2006, 79, 894-913.	3.2	22
23	Electronic-spin and columnar crystal structures of stable 2,5,8-tri- tert -butyl-1,3-diazaphenalenyl radical. Polyhedron, 2003, 22, 2199-2204.	2.2	18
24	Synthesis and properties of 1,6-diazaphenalenes and their charge-transfer complexes with tetracyanoquinodimethane. Tetrahedron Letters, 1997, 38, 4583-4586.	1.4	17
25	Kinetics versus Energetics in Dye-Sensitized Solar Cells Based on an Ethynyl-Linked Porphyrin Heterodimer. Journal of Physical Chemistry C, 2014, 118, 1426-1435.	3.1	13
26	FABRICATIONS OF LUMINESCENT POLYMERIC NANOPARTICLES CONTAINING LANTHANIDE (III) ION COMPLEXES. International Journal of Nanoscience, 2002, 01, 533-537.	0.7	10
27	Fabrication of polymeric particles composed of two-dimensionally self-assembled nanoparticles by use of a microporous film as a template. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 630-635.	4.7	7
28	Push-Pull Quinoid Dye for Dye Sensitized Solar Cell. ECS Transactions, 2009, 16, 65-72.	0.5	3
29	FABRICATION OF COMPOSITE STRUCTURE OF HONEYCOMB FILM AND LUMINESCENT NANOPARTICLES CONTAINING LANTHANIDE COMPLEXES. International Journal of Nanoscience, 2006, 05, 365-370.	0.7	1