Tadao Takada

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4595174/publications.pdf

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38	733	687363 13	526287 27
papers	citations	h-index	g-index

40	40	40	764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stacked Thiazole Orange Dyes in DNA Capable of Switching Emissive Behavior in Response to Structural Transitions. ChemBioChem, 2021, 22, 2729-2735.	2.6	3
2	Chromophore Arrays Constructed in the Major Groove of DNA Duplexes Using a Postâ€Synthetic Strategy. ChemistrySelect, 2019, 4, 1525-1529.	1.5	2
3	Controlling Pyrene Association in DNA Duplexes by Bâ€•to Zâ€DNA Transitions. ChemBioChem, 2019, 20, 2949-2954.	2.6	3
4	Photocurrent enhancement by a local electric field on DNA-modified electrodes covered with gold nanoparticles. Analyst, The, 2019, 144, 6193-6196.	3.5	0
5	Photocurrent Enhancement in DNAâ€Scaffolded Chromophoreâ€“Aggregateâ€Functionalized Systems Containing Multiple Types of Chromophores. ChemPhotoChem, 2018, 2, 89-94.	3.0	0
6	Rapid Electron Transfer of Stacked Heterodimers of Perylene Diimide Derivatives in a DNA Duplex. Chemistry - A European Journal, 2018, 24, 8228-8232.	3.3	8
7	Circularly polarized luminescence of helically assembled pyrene Ïâ€stacks on RNA and DNA duplexes. Chirality, 2018, 30, 602-608.	2.6	13
8	Ferrocene conjugated oligonucleotide for electrochemical detection of DNA base mismatch. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3555-3557.	2.2	5
9	Photoresponsive Electrodes Modified with DNA Duplexes Possessing a Porphyrin Dimer. Chemistry - A European Journal, 2017, 23, 18258-18263.	3.3	7
10	A Luminescent Perylenediimide as a Binding Ligand for Pyrimidine/Pyrimidine Mismatches Within a DNA Duplex. ChemistrySelect, 2017, 2, 6047-6051.	1.5	1
11	Study of the inverter circuit with DNA/Si-MOSFET. , 2017, , .		0
12	Helically Assembled Pyrene Arrays on an RNA Duplex That Exhibit Circularly Polarized Luminescence with Excimer Formation. Chemistry - A European Journal, 2016, 22, 9121-9124.	3.3	35
13	DNA-Assisted Multichromophore Assembly. Nucleic Acids and Molecular Biology, 2016, , 101-121.	0.2	0
14	DNAâ€Templated Synthesis of Perylenediimide Stacks Utilizing Abasic Sites as Binding Pockets and Reactive Sites. ChemBioChem, 2016, 17, 2230-2233.	2.6	8
15	Blockade and Staircase Phenomena of Holes in Mesoscopic Scale $lambda $ -Deoxyribonucleic Acid/SiO2/Si Structure. IEEE Electron Device Letters, 2016, 37, 224-227.	3.9	3
16	Donorâ€“Acceptor Heterojunction Configurations Based on DNAâ€“Multichromophore Arrays. Chemistry - A European Journal, 2015, 21, 11788-11792.	3.3	8
17	Highly Ordered Pyrene Ïâ€Stacks on an RNA Duplex. Current Protocols in Nucleic Acid Chemistry, 2015, 63, 4.66.1-4.66.19.	0.5	1
18	Photoresponsive DNA Monolayer Prepared by Primer Extension Reaction on the Electrode. Langmuir, 2015, 31, 3993-3998.	3.5	2

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19	Photocurrent Generation through Chargeâ€Transfer Processes in Noncovalent Perylenediimide/DNA Complexes. Chemistry - A European Journal, 2015, 21, 6846-6851.	3.3	16
20	Photocurrent Generation Enhanced by Charge Delocalization over Stacked Perylenediimide Chromophores Assembled within DNA. Journal of the American Chemical Society, 2014, 136, 6814-6817.	13.7	26
21	Formation of a charge transfer complex within a hydrophobic cavity in DNA. RSC Advances, 2014, 4, 59440-59443.	3.6	5
22	Light-up fluorescent probes utilizing binding behavior of perylenediimide derivatives to a hydrophobic pocket within DNA. Analyst, The, 2014, 139, 4016.	3.5	10
23	Preparation of ferrocene-functionalized gold nanoparticles by primer extension reaction on the particle surface. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2661-2663.	2.2	2
24	Study of charge retention mechanism for DNA memory FET. IEICE Electronics Express, 2014, 11, 20130900-20130900.	0.8	5
25	Cationic perylenediimide as a specific fluorescent binder to mismatch containing DNA. Bioorganic and Medicinal Chemistry, 2013, 21, 6011-6014.	3.0	13
26	Molecular Arrangement and Assembly Guided by Hydrophobic Cavities inside DNA. Chemistry - A European Journal, 2012, 18, 9300-9304.	3.3	15
27	Photo-triggered generation of a free thiol group on DNA: application to DNA conjugation. Tetrahedron Letters, 2012, 53, 78-81.	1.4	3
28	Electron transfer through RNA: Chemical probing of dual distance dependence. Bioorganic and Medicinal Chemistry, 2011, 19, 6881-6884.	3.0	13
29	Solubilization of C₆₀ by micellization with a thermoresponsive block copolymer in water: Characterization, singlet oxygen generation, and DNA photocleavage. Journal of Polymer Science Part A, 2011, 49, 2761-2770.	2.3	18
30	Fluorescent analysis of excess electron transfer through DNA. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 994-996.	2.2	4
31	Relationship between Charge Transfer and Charge Recombination Determines Photocurrent Efficiency through DNA Films. Angewandte Chemie - International Edition, 2007, 46, 6681-6683.	13.8	35
32	Rapid Long-Distance Hole Transfer through Consecutive Adenine Sequence. Journal of the American Chemical Society, 2006, 128, 11012-11013.	13.7	52
33	High-Yield Generation of a Long-Lived Charge-Separated State in Diphenylacetylene-Modified DNA. Angewandte Chemie - International Edition, 2006, 45, 120-122.	13.8	29
34	DNA Charge Transport Leading to Disulfide Bond Formation. Journal of the American Chemical Society, 2005, 127, 12204-12205.	13.7	25
35	Direct observation of hole transfer through double-helical DNA over 100 A. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14002-14006.	7.1	156
36	Charge Separation in DNA via Consecutive Adenine Hopping. Journal of the American Chemical Society, 2004, 126, 1125-1129.	13.7	146

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37	Long-Lived Charge-Separated State Leading to DNA Damage through Hole Transfer. Journal of the American Chemical Society, 2003, 125, 16198-16199.	13.7	52
38	Photoresponsive porphyrinâ€DNA complexes constructed through intercalationâ€like binding. ChemPhotoChem, 0, , .	3.0	0