# 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 | 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 |
| 2 | Charge Separation in DNA via Consecutive Adenine Hopping. Journal of the American Chemical Society, 2004, 126, 1125-1129. | 13.7 | 146 |
| 3 | 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 |
| 4 | Rapid Long-Distance Hole Transfer through Consecutive Adenine Sequence. Journal of the American Chemical Society, 2006, 128, 11012-11013. | 13.7 | 52 |
| 5 | Relationship between Charge Transfer and Charge Recombination Determines Photocurrent Efficiency through DNA Films. Angewandte Chemie - International Edition, 2007, 46, 6681-6683. | 13.8 | 35 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | DNA Charge Transport Leading to Disulfide Bond Formation. Journal of the American Chemical Society, 2005, 127, 12204-12205. | 13.7 | 25 |
| 10 | Solubilization of C<sub>60</sub> 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 |
| 11 | Photocurrent Generation through Chargeâ€Transfer Processes in Noncovalent Perylenediimide/DNA Complexes. Chemistry - A European Journal, 2015, 21, 6846-6851. | 3.3 | 16 |
| 12 | Molecular Arrangement and Assembly Guided by Hydrophobic Cavities inside DNA. Chemistry - A European Journal, 2012, 18, 9300-9304. | 3.3 | 15 |
| 13 | Electron transfer through RNA: Chemical probing of dual distance dependence. Bioorganic and Medicinal Chemistry, 2011, 19, 6881-6884. | 3.0 | 13 |
| 14 | Cationic perylenediimide as a specific fluorescent binder to mismatch containing DNA. Bioorganic and Medicinal Chemistry, 2013, 21, 6011-6014. | 3.0 | 13 |
| 15 | Circularly polarized luminescence of helically assembled pyrene Ï€â€stacks on RNA and DNA duplexes. Chirality, 2018, 30, 602-608. | 2.6 | 13 |
| 16 | Light-up fluorescent probes utilizing binding behavior of perylenediimide derivatives to a hydrophobic pocket within DNA. Analyst, The, 2014, 139, 4016. | 3.5 | 10 |
| 17 | Donorâ€“Acceptor Heterojunction Configurations Based on DNAâ€“Multichromophore Arrays. Chemistry - A European Journal, 2015, 21, 11788-11792. | 3.3 | 8 |
| 18 | DNAâ€Templated Synthesis of Perylenediimide Stacks Utilizing Abasic Sites as Binding Pockets and Reactive Sites. ChemBioChem, 2016, 17, 2230-2233. | 2.6 | 8 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Photoresponsive Electrodes Modified with DNA Duplexes Possessing a Porphyrin Dimer. Chemistry - A European Journal, 2017, 23, 18258-18263. | 3.3 | 7 |
| 21 | Formation of a charge transfer complex within a hydrophobic cavity in DNA. RSC Advances, 2014, 4, 59440-59443. | 3.6 | 5 |
| 22 | Study of charge retention mechanism for DNA memory FET. IEICE Electronics Express, 2014, 11, 20130900-20130900. | 0.8 | 5 |
| 23 | Ferrocene conjugated oligonucleotide for electrochemical detection of DNA base mismatch. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3555-3557. | 2.2 | 5 |
| 24 | Fluorescent analysis of excess electron transfer through DNA. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 994-996. | 2.2 | 4 |
| 25 | Photo-triggered generation of a free thiol group on DNA: application to DNA conjugation. Tetrahedron Letters, 2012, 53, 78-81. | 1.4 | 3 |
| 26 | 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 |
| 27 | Controlling Pyrene Association in DNA Duplexes by Bâ€•to Zâ€DNA Transitions. ChemBioChem, 2019, 20, 2949-2954. | 2.6 | 3 |
| 28 | Stacked Thiazole Orange Dyes in DNA Capable of Switching Emissive Behavior in Response to Structural Transitions. ChemBioChem, 2021, 22, 2729-2735. | 2.6 | 3 |
| 29 | 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 |
| 30 | Photoresponsive DNA Monolayer Prepared by Primer Extension Reaction on the Electrode. Langmuir, 2015, 31, 3993-3998. | 3.5 | 2 |
| 31 | Chromophore Arrays Constructed in the Major Groove of DNA Duplexes Using a Postâ€Synthetic Strategy. ChemistrySelect, 2019, 4, 1525-1529. | 1.5 | 2 |
| 32 | Highly Ordered Pyrene Ï€â€Stacks on an RNA Duplex. Current Protocols in Nucleic Acid Chemistry, 2015, 63, 4.66.1-4.66.19. | 0.5 | 1 |
| 33 | A Luminescent Perylenediimide as a Binding Ligand for Pyrimidine/Pyrimidine Mismatches Within a DNA Duplex. ChemistrySelect, 2017, 2, 6047-6051. | 1.5 | 1 |
| 34 | DNA-Assisted Multichromophore Assembly. Nucleic Acids and Molecular Biology, 2016, , 101-121. | 0.2 | 0 |
| 35 | Study of the inverter circuit with DNA/Si-MOSFET. , 2017, , . | | 0 |
| 36 | Photocurrent Enhancement in DNAâ€Scaffolded Chromophoreâ€“Aggregateâ€Functionalized Systems Containing Multiple Types of Chromophores. ChemPhotoChem, 2018, 2, 89-94. | 3.0 | 0 |

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|---|---|---|---|
| 37 | Photocurrent enhancement by a local electric field on DNA-modified electrodes covered with gold nanoparticles. Analyst, The, 2019, 144, 6193-6196. | 3.5 | 0 |
| 38 | Photoresponsive porphyrinâ€DNA complexes constructed through intercalationâ€like binding. ChemPhotoChem, 0, , . | 3.0 | 0 |