Masayuki Endo

List of Publications by Year
in descending order

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184 papers	7,920 citations	50170 46 h-index	58464 82 g-index
220 all docs	220 docs citations	220 times ranked	5546 citing authors

#	Article	IF	Citations
1	Biomimetic DNA Nanotechnology to Understand and Control Cellular Responses. ChemBioChem, 2022, 23, .	1.3	5
2	Dissection of nanoconfinement and proximity effects on the binding events in DNA origami nanocavity. Nucleic Acids Research, 2022, 50, 697-703.	6.5	9
3	A Hexameric Ribozyme Nanostructure Formed by Doubleâ€Decker Assembly of a Pair of Triangular Ribozyme Trimers. ChemBioChem, 2022, , .	1.3	3
4	DNA-Based Daisy Chain Rotaxane Nanocomposite Hydrogels as Dual-Programmable Dynamic Scaffolds for Stem Cell Adhesion. ACS Applied Materials & Interfaces, 2022, 14, 20739-20748.	4.0	5
5	Surface Assembly of DNA Origami on a Lipid Bilayer Observed Using High-Speed Atomic Force Microscopy. Molecules, 2022, 27, 4224.	1.7	4
6	Box-shaped ribozyme octamer formed by face-to-face dimerization of a pair of square-shaped ribozyme tetramers. Journal of Bioscience and Bioengineering, 2022, 134, 195-202.	1.1	2
7	Photocontrolled DNA Origami Assembly by Using Two Photoswitches. Chemistry - A European Journal, 2021, 27, 778-784.	1.7	8
8	Nucleosomes and Epigenetics from a Chemical Perspective. ChemBioChem, 2021, 22, 595-612.	1.3	7
9	Construction of an optically controllable CRISPR-Cas9 system using a DNA origami nanostructure. Chemical Communications, 2021, 57, 5594-5596.	2.2	10
10	Folding RNAâ€“Protein Complex into Designed Nanostructures. Methods in Molecular Biology, 2021, 2323, 221-232.	0.4	1
11	Short intrinsically disordered polypeptideâ€“oligonucleotide conjugates for programmed self-assembly of nanospheres with temperature-dependent size controllability. Soft Matter, 2021, 17, 1184-1188.	1.2	7
12	Micro-homology intermediates: RecAâ€™s transient sampling revealed at the single molecule level. Nucleic Acids Research, 2021, 49, 1426-1435.	6.5	5
13	An RNA Triangle with Six Ribozyme Units Can Promote a Trans-Splicing Reaction through Trimerization of Unit Ribozyme Dimers. Applied Sciences (Switzerland), 2021, 11, 2583.	1.3	3
14	HBD1 protein with a tandem repeat of two HMG-box domains is a DNA clip to organize chloroplast nucleoids in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
15	Flexible Assembly of Engineered Tetrahymena Ribozymes Forming Polygonal RNA Nanostructures with Catalytic Ability. ChemBioChem, 2021, 22, 2168-2176.	1.3	5
16	Nonâ€invasive Regulation of Cellular Morphology Using a Photoswitchable Mechanical DNA Polymer. Angewandte Chemie, 2021, 133, 20505-20512.	1.6	2
17	Nonâ€invasive Regulation of Cellular Morphology Using a Photoswitchable Mechanical DNA Polymer. Angewandte Chemie - International Edition, 2021, 60, 20342-20349.	7.2	19
18	DNA Nanotechnology to Disclose Molecular Events at the Nanoscale and Mesoscale Levels. Fundamental Biomedical Technologies, 2021, , 65-122.	0.2	0

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19	Nanoscopic observation of a DNA crystal surface and its dynamic formation and degradation using atomic force microscopy. Chemical Communications, 2021, 57, 1651-1654.	2.2	2
20	Advances in DNA Origamiâ€“Cell Interfaces. ChemBioChem, 2020, 21, 33-44.	1.3	27
21	A photocaged DNA nanocapsule for delivery and manipulation in cells. Methods in Enzymology, 2020, 641, 329-342.	0.4	0
22	Direct Observation of Dynamic Interactions between Orientationâ€Controlled Nucleosomes in a DNA Origami Frame. Chemistry - A European Journal, 2020, 26, 15282-15289.	1.7	8
23	Duplex DNA Is Weakened in Nanoconfinement. Journal of the American Chemical Society, 2020, 142, 10042-10049.	6.6	24
24	X-ray Crystal Structure of a Cyclic-PIPâ€“DNA Complex in the Reverse-Binding Orientation. Journal of the American Chemical Society, 2020, 142, 10544-10549.	6.6	5
25	DNA density-dependent uptake of DNA origami-based two-or three-dimensional nanostructures by immune cells. Nanoscale, 2020, 12, 14818-14824.	2.8	15
26	Direct observation and analysis of TET-mediated oxidation processes in a DNA origami nanochip. Nucleic Acids Research, 2020, 48, 4041-4051.	6.5	15
27	DNA Nanostructures for Targeted Antimicrobial Delivery. Angewandte Chemie - International Edition, 2020, 59, 12698-12702.	7.2	48
28	DNA Nanostructures for Targeted Antimicrobial Delivery. Angewandte Chemie, 2020, 132, 12798-12802.	1.6	15
29	Catalytic RNA nano-objects formed by self-assembly of group I ribozyme dimers serving as unit structures. Journal of Bioscience and Bioengineering, 2020, 130, 253-259.	1.1	1
30	Molecular Nanomachines Constructed from DNA Origami. Journal of the Institute of Electrical Engineers of Japan, 2020, 140, 579-581.	0.0	0
31	DNA Origami Nanoplateâ€Based Emulsion with Nanopore Function. Angewandte Chemie - International Edition, 2019, 58, 15299-15303.	7.2	15
32	Direct Observation and Analysis of the Dynamics of the Photoresponsive Transcription Factor GAL4. Angewandte Chemie, 2019, 131, 7708-7712.	1.6	0
33	Translation-dependent unwinding of stemâ€“loops by UPF1 licenses Regnase-1 to degrade inflammatory mRNAs. Nucleic Acids Research, 2019, 47, 8838-8859.	6.5	32
34	Effects of Physical Damage in the Intermediate Phase on the Progression of Amyloid Î² Fibrillization. Chemistry - an Asian Journal, 2019, 14, 4140-4145.	1.7	9
35	DNA Origami Nanoplateâ€Based Emulsion with Nanopore Function. Angewandte Chemie, 2019, 131, 15443-15447.	1.6	2
36	Direct Observation of the Formation and Dissociation of Double-Stranded DNA Containing G-Quadruplex/i-Motif Sequences in the DNA Origami Frame Using High-Speed AFM. Methods in Molecular Biology, 2019, 2035, 299-308.	0.4	2

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37	Oligomerization of a modular ribozyme assembly of which is controlled by a programmable RNAâ€“RNA interface between two structural modules. Journal of Bioscience and Bioengineering, 2019, 128, 410-415.	1.1	9
38	Direct Observation and Analysis of the Dynamics of the Photoresponsive Transcription Factor GAL4. Angewandte Chemie - International Edition, 2019, 58, 7626-7630.	7.2	12
39	AFM-based single-molecule observation of the conformational changes of DNA structures. Methods, 2019, 169, 3-10.	1.9	14
40	Programming Rotary Motions with a Hexagonal DNA Nanomachine. Chemistry - A European Journal, 2019, 25, 5158-5162.	1.7	21
41	DNA Origami as a Tool in the Targeted Destruction of Bacteria. Biophysical Journal, 2019, 116, 324a.	0.2	4
42	A Photocaged DNA Nanocapsule for Controlled Unlocking and Opening inside the Cell. Bioconjugate Chemistry, 2019, 30, 1860-1863.	1.8	13
43	Folding of single-stranded circular DNA into rigid rectangular DNA accelerates its cellular uptake. Nanoscale, 2019, 11, 23416-23422.	2.8	3
44	Direct Observation of the Doubleâ€Stranded DNA Formation through Metal Ionâ€Mediated Base Pairing in the Nanoscale Structure. Chemistry - A European Journal, 2019, 25, 1446-1450.	1.7	12
45	Colloidal plasmonic DNA-origami with photo-switchable chirality in liquid crystals. Optics Letters, 2019, 44, 2831.	1.7	17
46	Self-assembly of Two-dimensional DNA Origami Lattices on Lipid Bilayer Membranes. Seibutsu Butsuri, 2019, 59, 103-105.	0.0	0
47	Complexing DNA Origami Frameworks through Sequential Selfâ€Assembly Based on Directed Docking. Angewandte Chemie, 2018, 130, 7179-7183.	1.6	10
48	Complexing DNA Origami Frameworks through Sequential Selfâ€Assembly Based on Directed Docking. Angewandte Chemie - International Edition, 2018, 57, 7061-7065.	7.2	40
49	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K⁺ Channels. Angewandte Chemie - International Edition, 2018, 57, 2586-2591.	7.2	33
50	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K⁺ Channels. Angewandte Chemie, 2018, 130, 2616-2621.	1.6	1
51	Triggering nucleic acid nanostructure assembly by conditional kissing interactions. Nucleic Acids Research, 2018, 46, 1052-1058.	6.5	10
52	Direct Single-Molecule Observation of Mode and Geometry of RecA-Mediated Homology Search. ACS Nano, 2018, 12, 272-278.	7.3	26
53	Evaluation of Storage Capacity of Electric Vehicles for Vehicle to Grid Considering Driver's Perspective. , 2018, , .		4
54	Decreased water activity in nanoconfinement contributes to the folding of G-quadruplex and i-motif structures. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9539-9544.	3.3	46

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55	Environmentâ€Dependent Selfâ€Assembly of DNA Origami Lattices on Phaseâ€Separated Lipid Membranes. Advanced Materials Interfaces, 2018, 5, 1800437.	1.9	42
56	DNA Origami Nanomachines. Molecules, 2018, 23, 1766.	1.7	68
57	Construction of integrated gene logic-chip. Nature Nanotechnology, 2018, 13, 933-940.	15.6	42
58	Direct Observation of Dynamic Movement of DNA Molecules in DNA Origami Imaged Using High-Speed AFM. Methods in Molecular Biology, 2018, 1814, 213-224.	0.4	4
59	A Photoregulated DNAâ€Based Rotary System and Direct Observation of Its Rotational Movement. Chemistry - A European Journal, 2017, 23, 3979-3985.	1.7	36
60	Holliday junction resolvases mediate chloroplast nucleoid segregation. Science, 2017, 356, 631-634.	6.0	44
61	Confined space facilitates G-quadruplex formation. Nature Nanotechnology, 2017, 12, 582-588.	15.6	76
62	Singleâ€Molecule Observation of the Photoregulated Conformational Dynamics of DNA Origami Nanoscissors. Angewandte Chemie - International Edition, 2017, 56, 15324-15328.	7.2	63
63	Protein-driven RNA nanostructured devices that function in vitro and control mammalian cell fate. Nature Communications, 2017, 8, 540.	5.8	40
64	High-Resolution Imaging of a Single Gliding Protofilament of Tubulins by HS-AFM. Scientific Reports, 2017, 7, 6166.	1.6	22
65	Programmable formation of catalytic RNA triangles and squares by assembling modular RNA enzymes. Journal of Biochemistry, 2017, 161, mvw093.	0.9	15
66	Singleâ€Molecule Observation of the Photoregulated Conformational Dynamics of DNA Origami Nanoscissors. Angewandte Chemie, 2017, 129, 15526-15530.	1.6	15
67	Examining cooperative binding of Sox2 on DC5 regulatory element upon complex formation with Pax6 through excess electron transfer assay. Nucleic Acids Research, 2016, 44, e125-e125.	6.5	7
68	Mechanical properties of DNA origami nanoassemblies are determined by Holliday junction mechanophores. Nucleic Acids Research, 2016, 44, 6574-6582.	6.5	36
69	Torsional Constraints of DNA Substrates Impact Cas9 Cleavage. Journal of the American Chemical Society, 2016, 138, 13842-13845.	6.6	34
70	Single-Molecule Visualization of Biomolecules in the Designed DNA Origami Nanostructures Using High-Speed Atomic Force Microscopy. RNA Technologies, 2016, , 403-427.	0.2	0
71	Triple Helix Formation in a Topologically Controlled DNA Nanosystem. Chemistry - A European Journal, 2016, 22, 5494-5498.	1.7	20
72	A light-driven three-dimensional plasmonic nanosystem that translates molecular motion into reversible chiroptical function. Nature Communications, 2016, 7, 10591.	5.8	259

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73	Self-assembling DNA hydrogel-based delivery of immunoinhibitory nucleic acids to immune cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 123-130.	1.7	42
74	Single-molecule observations of RNAâ€“RNA kissing interactions in a DNA nanostructure. Biomaterials Science, 2016, 4, 130-135.	2.6	22
75	Efficient amplification of self-gelling polypod-like structured DNA by rolling circle amplification and enzymatic digestion. Scientific Reports, 2015, 5, 14979.	1.6	25
76	Singleâ€Molecule Visualization of the Activity of a Zn²⁺â€Dependent DNAzyme. Angewandte Chemie - International Edition, 2015, 54, 10550-10554.	7.2	35
77	Atomic force microscopy analysis of orientation and bending of oligodeoxynucleotides in polypod-like structured DNA. Nano Research, 2015, 8, 3764-3771.	5.8	5
78	Studying RNAPâ€“promoter interactions using atomic force microscopy. Methods, 2015, 86, 4-9.	1.9	10
79	Measuring chloride in live cells. Nature Nanotechnology, 2015, 10, 569-570.	15.6	1
80	Self-Assembling DNA Dendrimer for Effective Delivery of Immunostimulatory CpG DNA to Immune Cells. Biomacromolecules, 2015, 16, 1095-1101.	2.6	62
81	Mimicking Membrane-Related Biological Events by DNA Origami Nanotechnology. ACS Nano, 2015, 9, 3418-3420.	7.3	32
82	Small molecule binding to a G-hairpin and a G-triplex: a new insight into anticancer drug design targeting G-rich regions. Chemical Communications, 2015, 51, 9181-9184.	2.2	35
83	Lipid-bilayer-assisted two-dimensional self-assembly of DNA origami nanostructures. Nature Communications, 2015, 6, 8052.	5.8	176
84	Linking two DNA duplexes with a rigid linker for DNA nanotechnology. Nucleic Acids Research, 2015, 43, 6692-6700.	6.5	10
85	Direct Visualization of Walking Motions of Photocontrolled Nanomachine on the DNA Nanostructure. Nano Letters, 2015, 15, 6672-6676.	4.5	111
86	Optimal Arrangement of Four Short DNA Strands for Delivery of Immunostimulatory Nucleic Acids to Immune Cells. Nucleic Acid Therapeutics, 2015, 25, 245-253.	2.0	17
87	Single-Molecule Manipulation of the Duplex Formation and Dissociation at the G-Quadruplex/i-Motif Site in the DNA Nanostructure. ACS Nano, 2015, 9, 9922-9929.	7.3	50
88	Masayuki Endo. Angewandte Chemie - International Edition, 2015, 54, 2002-2002.	7.2	0
89	Folding RNAâ€“Protein Complex into Designed Nanostructures. Methods in Molecular Biology, 2015, 1316, 169-179.	0.4	1
90	Sensitivity of a chemically amplified three-component resist containing a dissolution inhibitor for extreme ultraviolet lithography. Polymer Journal, 2014, 46, 234-238.	1.3	1

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91	Direct analysis of Holliday junction resolving enzyme in a DNA origami nanostructure. Nucleic Acids Research, 2014, 42, 7421-7428.	6.5	35
92	Preparation of Chemically Modified RNA Origami Nanostructures. Chemistry - A European Journal, 2014, 20, 15330-15333.	1.7	52
93	Helical DNA Origami Tubular Structures with Various Sizes and Arrangements. Angewandte Chemie - International Edition, 2014, 53, 7484-7490.	7.2	22
94	Photoresponsive DNA Nanocapsule Having an Open/Close System for Capture and Release of Nanomaterials. Chemistry - A European Journal, 2014, 20, 14951-14954.	1.7	70
95	Singleâ€Molecule Mechanochemical Sensing Using DNA Origami Nanostructures. Angewandte Chemie - International Edition, 2014, 53, 8137-8141.	7.2	74
96	Dynamic Assembly/Disassembly Processes of Photoresponsive DNA Origami Nanostructures Directly Visualized on a Lipid Membrane Surface. Journal of the American Chemical Society, 2014, 136, 1714-1717.	6.6	121
97	Direct and Singleâ€Molecule Visualization of the Solutionâ€State Structures of Gâ€Hairpin and Gâ€Triplex Intermediates. Angewandte Chemie - International Edition, 2014, 53, 4107-4112.	7.2	108
98	Single Molecule Visualization and Characterization of Sox2â€“Pax6 Complex Formation on a Regulatory DNA Element Using a DNA Origami Frame. Nano Letters, 2014, 14, 2286-2292.	4.5	38
99	AFM analysis of changes in nucleosome wrapping induced by DNA epigenetic modification. Biomaterials Science, 2014, 2, 1399.	2.6	8
100	Direct observation of the dual-switching behaviors corresponding to the state transition in a DNA nanoframe. Chemical Communications, 2014, 50, 4211-4213.	2.2	17
101	G-quadruplex-binding ligand-induced DNA synapsis inside a DNA origami frame. RSC Advances, 2014, 4, 6346.	1.7	26
102	Engineering RNAâ€“Protein Complexes with Different Shapes for Imaging and Therapeutic Applications. ACS Nano, 2014, 8, 8130-8140.	7.3	71
103	A lock-and-key mechanism for the controllable fabrication of DNA origami structures. Chemical Communications, 2014, 50, 8743.	2.2	10
104	Single-Molecule Imaging of Dynamic Motions of Biomolecules in DNA Origami Nanostructures Using High-Speed Atomic Force Microscopy. Accounts of Chemical Research, 2014, 47, 1645-1653.	7.6	123
105	DNA Origami Based Visualization System for Studying Site-Specific Recombination Events. Journal of the American Chemical Society, 2014, 136, 211-218.	6.6	70
106	State-of-the-Art High-Speed Atomic Force Microscopy for Investigation of Single-Molecular Dynamics of Proteins. Chemical Reviews, 2014, 114, 1493-1520.	23.0	78
107	3SAA-03 Designing DNA/RNA nanostructure-based information converters(Development of Molecular) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
108	1P316 Rational design of orthogonal gene transcription nano device on DNA origami(28.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (E Butsuri, 2014, 54, S193.	0.0	0

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109	DNA origami technology for biomaterials applications. Biomaterials Science, 2013, 1, 347-360.	2.6	86
110	Control of the two-dimensional crystallization of DNA origami with various loop arrangements. Chemical Communications, 2013, 49, 686-688.	2.2	13
111	Direct and Real-Time Observation of Rotary Movement of a DNA Nanomechanical Device. Journal of the American Chemical Society, 2013, 135, 1117-1123.	6.6	72
112	RNA-templated DNA origami structures. Chemical Communications, 2013, 49, 2879.	2.2	50
113	HIV-1 Nucleocapsid Proteins as Molecular Chaperones for Tetramolecular Antiparallel G-Quadruplex Formation. Journal of the American Chemical Society, 2013, 135, 18575-18585.	6.6	44
114	Controlling the stoichiometry and strand polarity of a tetramolecular G-quadruplex structure by using a DNA origami frame. Nucleic Acids Research, 2013, 41, 8738-8747.	6.5	49
115	3P306 Construction and functional analysis of DNA origami base DNA-RNAP hybrid nanomachine(28.Bioengineering,Poster,The 51st Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2013, 53, S262.	0.0	0
116	Regulation of Bâ€“Z Conformational Transition and Complex Formation with a Zâ€Form Binding Protein by Introduction of Constraint to Doubleâ€Stranded DNA by using a DNA Nanoscaffold. Chemistry - A European Journal, 2013, 19, 16887-16890.	1.7	11
117	Single-molecule Analysis Using DNA Origami Nanostructures. Seibutsu Butsuri, 2013, 53, 153-157.	0.0	1
118	Photo-Controllable DNA Origami Nanostructures Assembling into Predesigned Multiorientational Patterns. Journal of the American Chemical Society, 2012, 134, 20645-20653.	6.6	158
119	Sequence-Selective Single-Molecule Alkylation with a Pyrroleâ€“Imidazole Polyamide Visualized in a DNA Nanoscaffold. Journal of the American Chemical Society, 2012, 134, 4654-4660.	6.6	37
120	Transcription Regulation System Mediated by Mechanical Operation of a DNA Nanostructure. Journal of the American Chemical Society, 2012, 134, 2852-2855.	6.6	24
121	Singleâ€Molecule Visualization of the Hybridization and Dissociation of Photoresponsive Oligonucleotides and Their Reversible Switching Behavior in a DNA Nanostructure. Angewandte Chemie - International Edition, 2012, 51, 10518-10522.	7.2	77
122	A DNA-based molecular motor that can navigate a network of tracks. Nature Nanotechnology, 2012, 7, 169-173.	15.6	340
123	G-quadruplex Nanostructures Probed at the Single Molecular Level by Force-based Methods. , 2012, , 73-85.		3
124	Design and Development of Nanosized DNA Assemblies in Polypod-like Structures as Efficient Vehicles for Immunostimulatory CpG Motifs to Immune Cells. ACS Nano, 2012, 6, 5931-5940.	7.3	157
125	Structural and Functional Analysis of Proteins by High-Speed Atomic Force Microscopy. Advances in Protein Chemistry and Structural Biology, 2012, 87, 5-55.	1.0	19
126	DNA Origami: Synthesis and Selfâ€Assembly. Current Protocols in Nucleic Acid Chemistry, 2012, 48, Unit 12.9.1-18.	0.5	18

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127	Direct Visualization of the Movement of a Single T7â€…RNA Polymerase and Transcription on a DNA Nanostructure. Angewandte Chemie - International Edition, 2012, 51, 8778-8782.	7.2	39
128	Singleâ€Molecule Analysis Using DNA Origami. Angewandte Chemie - International Edition, 2012, 51, 874-890.	7.2	189
129	Zincâ€Finger Proteins for Siteâ€Specific Protein Positioning on DNAâ€Origami Structures. Angewandte Chemie - International Edition, 2012, 51, 2421-2424.	7.2	120
130	Programmed placement of gold nanoparticles onto a slit-type DNA origami scaffold. Chemical Communications, 2011, 47, 10743.	2.2	35
131	Configurable assembly of DNA origami on MEMS by microfluidic device. , 2011, , .		2
132	Recent Progress in DNA Origami Technology. Current Protocols in Nucleic Acid Chemistry, 2011, 45, Unit12.8.	0.5	6
133	Photo-Cross-Linking-Assisted Thermal Stability of DNA Origami Structures and Its Application for Higher-Temperature Self-Assembly. Journal of the American Chemical Society, 2011, 133, 14488-14491.	6.6	177
134	Direct AFM observation of an opening event of a DNA cuboid constructed via a prism structure. Organic and Biomolecular Chemistry, 2011, 9, 2075.	1.5	25
135	Direct observation of stepwise movement of a synthetic molecular transporter. Nature Nanotechnology, 2011, 6, 166-169.	15.6	351
136	Programmed Two-Dimensional Self-Assembly of Multiple DNA Origami Jigsaw Pieces. ACS Nano, 2011, 5, 665-671.	7.3	189
137	Two-dimensional DNA origami assemblies using a four-way connector. Chemical Communications, 2011, 47, 3213.	2.2	78
138	DNA Origami-based Construction of Meso-scale Multi-dimensional Architects and Expression of the Functionality in the Designed DNA Nanospace. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2011, 69, 1352-1362.	0.0	1
139	Programmedâ€Assembly System Using DNA Jigsaw Pieces. Chemistry - A European Journal, 2010, 16, 5362-5368.	1.7	76
140	Inside Cover: Programmed-Assembly System Using DNA Jigsaw Pieces (Chem. Eur. J. 18/2010). Chemistry - A European Journal, 2010, 16, 5228-5228.	1.7	14
141	A Versatile DNA Nanochip for Direct Analysis of DNA Baseâ€Excision Repair. Angewandte Chemie - International Edition, 2010, 49, 9412-9416.	7.2	112
142	Regulation of DNA Methylation Using Different Tensions of Double Strands Constructed in a Defined DNA Nanostructure. Journal of the American Chemical Society, 2010, 132, 1592-1597.	6.6	204
143	Visualization of Dynamic Conformational Switching of the G-Quadruplex in a DNA Nanostructure. Journal of the American Chemical Society, 2010, 132, 16311-16313.	6.6	203
144	Three-dimensional DNA nanostructures constructed by folding of multiple rectangles. Nucleic Acids Symposium Series, 2009, 53, 81-82.	0.3	3

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145	Chemical Approaches to DNA Nanotechnology. ChemBioChem, 2009, 10, 2420-2443.	1.3	166
146	DNA Prism Structures Constructed by Folding of Multiple Rectangular Arms. Journal of the American Chemical Society, 2009, 131, 15570-15571.	6.6	123
147	Programmable conformational regulation of porphyrin dimers on geometric scaffold of duplex DNA. Tetrahedron, 2008, 64, 1839-1846.	1.0	20
148	Diastereochemically Controlled Porphyrin Dimer Formation on a DNA Duplex Scaffold. Journal of Organic Chemistry, 2008, 73, 1106-1112.	1.7	47
149	Monitoring of three distinct structures of restriction enzyme complexes using characteristic fluorescence from site-selectively incorporated solvatochromic probe. Photochemical and Photobiological Sciences, 2007, 6, 836.	1.6	2
150	Porphyrin Lightâ€Harvesting Arrays Constructed in the Recombinant Tobacco Mosaic Virus Scaffold. Chemistry - A European Journal, 2007, 13, 8660-8666.	1.7	102
151	Thermodynamic properties of branched DNA complexes with full-matched and mismatched DNA strands. Chemical Communications, 2006, , 2329.	2.2	5
152	Detection of the Local Structural Changes in the Dimer Interface ofBamHI Initiated by DNA Binding and Dissociation Using a Solvatochromic Fluorophore. Journal of Physical Chemistry B, 2006, 110, 21311-21318.	1.2	7
153	Pyrene-Stacked Nanostructures Constructed in the Recombinant Tobacco Mosaic Virus Rod Scaffold. Chemistry - A European Journal, 2006, 12, 3735-3740.	1.7	40
154	Homolytic cleavage of Câ€“Si bond of p-trimethylsilylmethylacetophenone upon stepwise two-photon excitation using two-color two-laser flash photolysis. Chemical Physics Letters, 2005, 407, 402-406.	1.2	15
155	DNA Tube Structures Controlled by a Four-Way-Branched DNA Connector. Angewandte Chemie - International Edition, 2005, 44, 6074-6077.	7.2	93
156	Site-Specific Fluorescent Labeling of RNA Molecules by Specific Transcription Using Unnatural Base Pairs. Journal of the American Chemical Society, 2005, 127, 17286-17295.	6.6	102
157	Dihydrophenanthrene-Type Intermediates during Photoreaction of trans-4â€˜-Benzyl-5-styrylfuran. Journal of Organic Chemistry, 2005, 70, 2708-2712.	1.7	13
158	Inhibition of the Formation and Decay of Stilbene Core Radical Cations by the Dendron during the Photoinduced Electron Transfer. Journal of Physical Chemistry B, 2005, 109, 973-976.	1.2	8
159	Stepwise Photocleavage of Câ^'O Bonds of Bis(substituted-methyl)naphthalenes with Stepwise Excitation by Two-Color Two-Laser and Three-Color Three-Laser Irradiations. Journal of Physical Chemistry A, 2005, 109, 3797-3802.	1.1	18
160	Structural arrangement of DNA constrained by a cross-linker. Organic and Biomolecular Chemistry, 2005, 3, 3476.	1.5	9
161	A Hydrophilic Azobenzene-Bearing Amino Acid for Photochemical Control of a Restriction Enzyme BamHI. Bioconjugate Chemistry, 2005, 16, 1360-1366.	1.8	26
162	Four-Way-Branched DNAâ^'Porphyrin Conjugates for Construction of Four Double-Helix-DNA Assembled Structures. Journal of Organic Chemistry, 2005, 70, 7468-7472.	1.7	43

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163	Programmable DNA translation system using cross-linked DNA mediators. Chemical Communications, 2005, , 3153.	2.2	13
164	Photocatalytic Oxidation Reactivity of Holes in the Sulfur- and Carbon-Doped TiO2Powders Studied by Time-Resolved Diffuse Reflectance Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 19299-19306.	1.2	263
165	Unnatural base pairs mediate the site-specific incorporation of an unnatural hydrophobic component into RNA transcripts. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2593-2596.	1.0	23
166	Design and Synthesis of Photochemically Controllable Caspase-3. Angewandte Chemie - International Edition, 2004, 43, 5643-5645.	7.2	35
167	Site-Specific Incorporation of a Photo-Crosslinking Component into RNA by T7 Transcription Mediated by Unnatural Base Pairs. Chemistry and Biology, 2004, 11, 47-55.	6.2	57
168	Photochemical regulation of the activity of an endonuclease BamHI using an azobenzene moiety incorporated site-selectively into the dimer interface. Chemical Communications, 2004, , 2386.	2.2	46
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