

Akimitsu Okamoto

List of Publications by Year in descending order

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177
papers

6,119
citations

94381

37
h-index

82499

72
g-index

200
all docs

200
docs citations

200
times ranked

5820
citing authors

#	ARTICLE	IF	CITATIONS
1	FTO-dependent demethylation of N6-methyladenosine regulates mRNA splicing and is required for adipogenesis. <i>Cell Research</i> , 2014, 24, 1403-1419.	5.7	869
2	Rate enhancement of bacterial extracellular electron transport involves bound flavin semiquinones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7856-7861.	3.3	402
3	Pyrene-Labeled Base-Discriminating Fluorescent DNA Probes for Homogeneous SNP Typing. <i>Journal of the American Chemical Society</i> , 2004, 126, 4820-4827.	6.6	267
4	DNA Logic Gates. <i>Journal of the American Chemical Society</i> , 2004, 126, 9458-9463.	6.6	229
5	Degradation of DNA by bisulfite treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1912-1915.	1.0	209
6	Design of base-discriminating fluorescent nucleosides. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2005, 6, 108-122.	5.6	181
7	Pyrene-Labeled Oligodeoxynucleotide Probe for Detecting Base Insertion by Excimer Fluorescence Emission. <i>Journal of the American Chemical Society</i> , 2004, 126, 8364-8365.	6.6	151
8	ECHO probes: a concept of fluorescence control for practical nucleic acid sensing. <i>Chemical Society Reviews</i> , 2011, 40, 5815.	18.7	139
9	Design of Base-Discriminating Fluorescent Nucleoside and Its Application to T/C SNP Typing. <i>Journal of the American Chemical Society</i> , 2003, 125, 9296-9297.	6.6	126
10	Clear Distinction of Purine Bases on the Complementary Strand by a Fluorescence Change of a Novel Fluorescent Nucleoside. <i>Journal of the American Chemical Society</i> , 2003, 125, 4972-4973.	6.6	123
11	PRODAN-Conjugated DNA: Synthesis and Photochemical Properties. <i>Journal of the American Chemical Society</i> , 2007, 129, 4776-4784.	6.6	99
12	Exciton-Controlled Hybridization-Sensitive Fluorescent Probes: Multicolor Detection of Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6480-6484.	7.2	98
13	Public-key system using DNA as a one-way function for key distribution. <i>BioSystems</i> , 2005, 81, 25-29.	0.9	91
14	Direct Labeling of 5-Methylcytosine and Its Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 5612-5620.	6.6	88
15	Hybridization-Sensitive On-Off DNA Probe: Application of the Exciton Coupling Effect to Effective Fluorescence Quenching. <i>Chemistry - an Asian Journal</i> , 2008, 3, 958-968.	1.7	88
16	DNA Hole Transport on an Electrode: Application to Effective Photoelectrochemical SNP Typing. <i>Journal of the American Chemical Society</i> , 2006, 128, 658-662.	6.6	87
17	Monitoring DNA Structures by Dual Fluorescence of Pyrene Derivatives. <i>Journal of the American Chemical Society</i> , 2005, 127, 13128-13129.	6.6	83
18	Rational Design of a DNA Wire Possessing an Extremely High Hole Transport Ability. <i>Journal of the American Chemical Society</i> , 2003, 125, 5066-5071.	6.6	80

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19	An Osmium-DNA Interstrand Complex: Application to Facile DNA Methylation Analysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 14511-14517.	6.6	79
20	Photostimulated Hole Transport through a DNA Duplex Immobilized on a Gold Electrode. <i>Journal of the American Chemical Society</i> , 2004, 126, 14732-14733.	6.6	75
21	Nile Red Nucleoside: Design of a Solvatofluorochromic Nucleoside as an Indicator of Micropolarity around DNA. <i>Journal of Organic Chemistry</i> , 2006, 71, 3592-3598.	1.7	69
22	Sequence Dependence of Fluorescence Emission and Quenching of Doubly Thiazole Orange Labeled DNA: Effective Design of a Hybridization-Sensitive Probe. <i>Bioconjugate Chemistry</i> , 2008, 19, 1719-1725.	1.8	62
23	Base-discriminating fluorescent (BDF) nucleoside: distinction of thymine by fluorescence quenching. Electronic supplementary information (ESI) available: Experimental procedures for new compounds, UV and excitation spectra. See http://www.rsc.org/suppdata/cc/b4/b405832a/ . <i>Chemical Communications</i> , 2004, , 1704.	2.2	59
24	Fluorometric sensing of the salt-induced B-Z DNA transition by combination of two pyrene-labeled nucleobases. <i>Chemical Communications</i> , 2005, , 1128-1130.	2.2	56
25	Synthesis and properties of a novel fluorescent nucleobase, naphthopyridopyrimidine. <i>Tetrahedron Letters</i> , 2003, 44, 6871-6874.	0.7	55
26	Cytosine Detection by a Fluorescein-Labeled Probe Containing Base-Discriminating Fluorescent Nucleobase. <i>ChemBioChem</i> , 2004, 5, 958-963.	1.3	55
27	Phototriggered Drug Release from Functionalized Oligonucleotides by a Molecular Beacon Strategy. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2502-2504.	7.2	53
28	Stable, Specific, and Reversible Base Pairing via Schiff Base. <i>Journal of the American Chemical Society</i> , 2005, 127, 16681-16684.	6.6	52
29	Sequence-selective osmium oxidation of DNA: efficient distinction between 5-methylcytosine and cytosine. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1638.	1.5	50
30	Simple SNP typing assay using a base-discriminating fluorescent probe. <i>Molecular BioSystems</i> , 2006, 2, 122.	2.9	50
31	Site-Specific Discrimination of Cytosine and 5-Methylcytosine in Duplex DNA by Peptide Nucleic Acids. <i>Journal of the American Chemical Society</i> , 2002, 124, 10262-10263.	6.6	45
32	Chemical approach toward efficient DNA methylation analysis. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 21-26.	1.5	45
33	Hybridization-Sensitive Fluorescent Probe for Long-Term Monitoring of Intracellular RNA. <i>Bioconjugate Chemistry</i> , 2009, 20, 1256-1261.	1.8	43
34	Doubly Thiazole Orange-Labeled DNA for Live Cell RNA Imaging. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 110-117.	2.0	40
35	6-Endo- and 5-exo-digonal cyclizations of o-hydroxyphenyl ethynyl ketones: A key step for highly selective benzopyranone formation. <i>Tetrahedron</i> , 1996, 52, 9427-9446.	1.0	39
36	Nitroxide-labeled guanine as an ESR spin probe for structural study of DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3415-3418.	1.0	39

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37	A quick and simple FISH protocol with hybridization-sensitive fluorescent linear oligodeoxynucleotide probes. <i>Rna</i> , 2012, 18, 166-175.	1.6	38
38	ECHO-liveFISH: <i>in vivo</i> RNA labeling reveals dynamic regulation of nuclear RNA foci in living tissues. <i>Nucleic Acids Research</i> , 2015, 43, e126-e126.	6.5	38
39	Electrochemical Evaluation of Alternating Duplex~Triplex Conversion Effect on the Anthraquinone-Photoinjected Hole Transport through DNA Duplex Immobilized on a Gold Electrode. <i>Journal of the American Chemical Society</i> , 2006, 128, 692-693.	6.6	37
40	A Dielectric-Sensitive Fluorescent DNA Probe for Monitoring Polarities on the Interior of a DNA-Binding Protein. <i>Bioconjugate Chemistry</i> , 2005, 16, 1105-1111.	1.8	36
41	Synthesis and fluorescence properties of dimethylaminonaphthalene~deoxyuridine conjugates as polarity-sensitive probes. <i>Tetrahedron</i> , 2007, 63, 3465-3470.	1.0	36
42	Highly Selective DNA Alkylation at the 5~ Side G of a 5~GG3~ Sequence by an Aglycon Model of Pluramycin Antibiotics through Preferential Intercalation into the GG Step. <i>Journal of the American Chemical Society</i> , 1998, 120, 11219-11225.	6.6	35
43	Sets of RNA Repeated Tags and Hybridization-Sensitive Fluorescent Probes for Distinct Images of RNA in a Living Cell. <i>PLoS ONE</i> , 2010, 5, e13003.	1.1	35
44	Hydroxyapatite: catalyst for a one-pot pentose formation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8888-8893.	1.5	34
45	Highly Efficient Synthesis of 2-Substituted 4H-Chromen-4-ones by means of F-Induced 6-Endo-Digonal Cyclization of o-(Silyloxy)phenyl Ethynyl Ketone Derivatives. <i>Journal of Organic Chemistry</i> , 1994, 59, 4360-4361.	1.7	33
46	Synthesis and Properties of Peptide Nucleic Acids Containing a Psoralen Unit. <i>Organic Letters</i> , 2001, 3, 925-927.	2.4	32
47	Synthesis and properties of novel base-discriminating fluorescent (BDF) nucleosides: a highly polarity-sensitive fluorophore for SNP typing. <i>Tetrahedron Letters</i> , 2004, 45, 7827-7831.	0.7	32
48	Sequence-specific microscopic visualization of DNA methylation status at satellite repeats in individual cell nuclei and chromosomes. <i>Nucleic Acids Research</i> , 2013, 41, e186-e186.	6.5	32
49	Synthesis and properties of purine-type base-discriminating fluorescent (BDF) nucleosides: distinction of thymine by fluorescence-labeled deoxyadenosine derivatives. <i>Tetrahedron Letters</i> , 2005, 46, 7605-7608.	0.7	30
50	Triple Function of 4~Mercaptophenylacetic Acid Promotes One~Pot Multiple Peptide Ligation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16533-16537.	7.2	30
51	A facile incorporation of the aldehyde function into DNA: 3-formylindole nucleoside as an aldehyde-containing universal nucleoside. <i>Tetrahedron Letters</i> , 2002, 43, 4581-4583.	0.7	29
52	Synthesis and ESR studies of nitronyl nitroxide-tethered oligodeoxynucleotides. <i>Tetrahedron Letters</i> , 2005, 46, 791-795.	0.7	29
53	Specific Alkylation of Guanine Opposite to a Single Nucleotide Bulge: A Chemical Probe for the Bulged Structure of DNA. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3378-3381.	7.2	27
54	Practical formula for Mach number probe diagnostics in weakly magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 044504.	0.7	27

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55	Exciton Primer-mediated SNP detection in SmartAmp2 reactions. <i>Human Mutation</i> , 2010, 31, 208-217.	1.1	27
56	Chemically-activatable alkyne-tagged probe for imaging microdomains in lipid bilayer membranes. <i>Scientific Reports</i> , 2017, 7, 41007.	1.6	26
57	Synthesis and characterization of the 5-methyl-2'-deoxycytidine glycolate-dioxoosmium-bipyridine ternary complex in DNA. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 269-271.	1.5	25
58	ECHO probes: Fluorescence emission control for nucleic acid imaging. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2012, 13, 112-123.	5.6	25
59	N5-CAIR Mutase: A Role of a CO ₂ Binding Site and Substrate Movement in Catalysis. <i>Biochemistry</i> , 2007, 46, 2842-2855.	1.2	23
60	Efficient peptide ligation between allyl-protected Asp and Cys followed by palladium-mediated deprotection. <i>Chemical Communications</i> , 2018, 54, 4337-4340.	2.2	22
61	5-Hydroxymethylcytosine-selective oxidation with peroxotungstate. <i>Chemical Communications</i> , 2011, 47, 11231.	2.2	21
62	Hybridization-sensitive fluorescence control in the near-infrared wavelength range. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4199.	1.5	21
63	Base-Resolution Analysis of 5-Hydroxymethylcytosine by One-Pot Bisulfite-Free Chemical Conversion with Peroxotungstate. <i>Journal of the American Chemical Society</i> , 2016, 138, 14178-14181.	6.6	21
64	In vitro and in cell analysis of chemically synthesized histone H2A with multiple modifications. <i>Chemical Communications</i> , 2016, 52, 4999-5002.	2.2	21
65	Regulation of the Stability of the Histone H2A-H2B Dimer by H2A Tyr57 Phosphorylation. <i>Biochemistry</i> , 2017, 56, 4767-4772.	1.2	21
66	Photoresponsive tandem zinc finger peptide. <i>Chemical Communications</i> , 2009, , 1906.	2.2	20
67	ECHO-LNA Conjugates: Hybridization-Sensitive Fluorescence and Its Application to Fluorescent Detection of Various RNA Strands. <i>Bioconjugate Chemistry</i> , 2010, 21, 2276-2281.	1.8	20
68	Hybridization-sensitive fluorescent DNA probe with self-avoidance ability. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 546-551.	1.5	20
69	Detection of A/G Single Nucleotide Alteration in RNA Using Base-discriminating Fluorescent Oligodeoxynucleotides. <i>Chemistry Letters</i> , 2003, 32, 684-685.	0.7	19
70	Methylcytosine-selective fluorescence quenching by osmium complexation. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1615-1621.	1.4	19
71	Diazirine Photocrosslinking Recruits Activated FTO Demethylase Complexes for Specific N ⁶ -methyladenosine Recognition. <i>ACS Chemical Biology</i> , 2015, 10, 1450-1455.	1.6	19
72	Synthesis of an ABC Ring Analogue of Kapurimycin A3 as an Effective DNA Alkylating Agent. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2794-2797.	4.4	18

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73	Phototriggered Drug Release from Functionalized Oligonucleotides by a Molecular Beacon Strategy. <i>Angewandte Chemie</i> , 2003, 115, 2606-2608.	1.6	18
74	Excitonic interaction: another photophysical process for fluorescence-controlled nucleic acid sensing. <i>Chemical Record</i> , 2010, 10, 188-196.	2.9	18
75	Characterization of the Triplet State of Hybridization-Sensitive DNA Probe by Using Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013, 117, 27-33.	1.1	18
76	Design and Synthesis of Caged Fluorescent Nucleotides and Application to Live-cell RNA Imaging. <i>ChemBioChem</i> , 2011, 12, 2871-2880.	1.3	17
77	Chemical Synthesis of Cys-Containing Protein via Chemoselective Deprotection with Different Palladium Complexes. <i>Organic Letters</i> , 2019, 21, 8378-8382.	2.4	17
78	Synthesis of an artificial hole-transporting nucleoside triphosphate, dMDATP, and its enzymatic incorporation into DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5875-5880.	1.4	16
79	Facile synthesis of hydroxymethylcytosine-containing oligonucleotides and their reactivity upon osmium oxidation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4176.	1.5	16
80	2-Amino-7-deazaadenine forms stable base pairs with cytosine and thymine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 97-99.	1.0	15
81	Oligonucleotides containing 7-vinyl-7-deazaguanine as a facile strategy for expanding the functional diversity of DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1895-1896.	1.0	15
82	¹⁵ N NMR Study on Site-Selective Binding of Metal Ions to Guanine Runs in DNA: A Good Correlation with HOMO Distribution. <i>Journal of the American Chemical Society</i> , 2003, 125, 1172-1173.	6.6	15
83	A novel fluorescent guanine derivative distinguishable of three structures, single strand, duplex, and quadruplex. <i>Tetrahedron Letters</i> , 2004, 45, 6059-6062.	0.7	15
84	Osmium Complexation of Mismatched DNA: Effect of the Bases Adjacent to Mismatched 5-Methylcytosine. <i>Bioconjugate Chemistry</i> , 2009, 20, 603-607.	1.8	15
85	Whole-Mount MeFISH: A Novel Technique for Simultaneous Visualization of Specific DNA Methylation and Protein/RNA Expression. <i>PLoS ONE</i> , 2014, 9, e95750.	1.1	15
86	Unnatural Base Pair Enables Alphabet-Expanded DNA Self-Assembly. <i>Journal of the American Chemical Society</i> , 2021, 143, 14207-14217.	6.6	15
87	Synthesis and duplex stability of oligonucleotides containing 7-vinyl-7-deazaguanine as a strong electron-donating nucleobase. <i>Tetrahedron Letters</i> , 2000, 41, 10035-10039.	0.7	14
88	pH-dependent fluorescence of uncharged benzothiazole-based dyes binding to DNA. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1197-1201.	1.6	14
89	Doubly thiazole orange-labeled cytidine for functional expansion of a hybridization-sensitive probe. <i>Tetrahedron Letters</i> , 2009, 50, 7191-7195.	0.7	14
90	Middle-Down and Chemical Proteomic Approaches to Reveal Histone H4 Modification Dynamics in Cell Cycle. <i>Mass Spectrometry</i> , 2015, 4, A0039-A0039.	0.2	14

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91	Floxuridine Oligomers Activated under Hypoxic Environment. <i>Journal of the American Chemical Society</i> , 2021, 143, 3340-3347.	6.6	14
92	A Nucleobase that Releases Reporter Tags upon DNA Oxidation. <i>Journal of the American Chemical Society</i> , 2004, 126, 416-417.	6.6	13
93	Hybridization-Sensitive Fluorescent Oligonucleotide Probe Conjugated with a Bulky Module for Compartment-Specific mRNA Monitoring in a Living Cell. <i>Bioconjugate Chemistry</i> , 2015, 26, 412-417.	1.8	13
94	Chemistry-Driven Epigenetic Investigation of Histone and DNA Modifications. <i>Chemical Record</i> , 2018, 18, 1727-1744.	2.9	13
95	Cysteinylprolyl imide (CPI) peptide: a highly reactive and easily accessible crypto-thioester for chemical protein synthesis. <i>Chemical Science</i> , 2019, 10, 5967-5975.	3.7	13
96	Monitoring intracellular metal ion complexation with an acetylene-tagged ligand by Raman spectroscopy. <i>RSC Advances</i> , 2020, 10, 36119-36123.	1.7	13
97	Cy5-Conjugated Hybridization-Sensitive Fluorescent Oligonucleotides for Ratiometric Analysis of Nuclear Poly(A) ⁺ RNA. <i>Bioconjugate Chemistry</i> , 2011, 22, 1625-1630.	1.8	12
98	A nucleic acid probe labeled with desmethyl thiazole orange: a new type of hybridization-sensitive fluorescent oligonucleotide for live-cell RNA imaging. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 362-371.	1.5	12
99	Design of a pyrene-containing fluorescence probe for labeling of RNA poly(A) tracts. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 400-404.	1.4	11
100	Modulation of remote DNA oxidation by hybridization with peptide nucleic acids (PNA). <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 713-718.	1.4	10
101	Modulation of base selectivity for a base-discriminating fluorescent nucleobase by addition of mercury ion. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4279-4281.	1.0	10
102	A Concept of Negative Ion Flow Velocity Measurement Using a Laser Photodetachment Velocimetry (LPDV). <i>Contributions To Plasma Physics</i> , 2006, 46, 367-372.	0.5	10
103	Heterogeneity of osmium oxidation efficiency at consecutive thymines. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3905.	1.5	10
104	Probe Design for the Effective Fluorescence Imaging of Intracellular RNA. <i>Chemical Record</i> , 2013, 13, 209-217.	2.9	10
105	Chemical synthesis of dual labeled proteins via differently protected alkynes enables intramolecular FRET analysis. <i>Chemical Communications</i> , 2017, 53, 5918-5921.	2.2	10
106	DNA-friendly Cu(II)/TEMPO-catalyzed 5-hydroxymethylcytosine-specific oxidation. <i>Chemical Communications</i> , 2017, 53, 5756-5759.	2.2	10
107	Organoruthenium-catalyzed chemical protein synthesis to elucidate the functions of epigenetic modifications on heterochromatin factors. <i>Chemical Science</i> , 2021, 12, 5926-5937.	3.7	10
108	Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. <i>Nature Communications</i> , 2022, 13, .	5.8	10

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109	Site-Selective DNA Alkylation of GG Steps by Naphthaldiimide Derivatives Possessing Enantiomeric Epoxide. <i>Organic Letters</i> , 2000, 2, 3249-3251.	2.4	9
110	Synthesis of Highly Functional Nucleic Acids and Their Application to DNA Technology. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 2083-2097.	2.0	9
111	Highly selective fluorescent nucleobases for designing base-discriminating fluorescent probes. <i>Pure and Applied Chemistry</i> , 2006, 78, 2305-2312.	0.9	9
112	Discrimination between 5-hydroxymethylcytosine and 5-methylcytosine by a chemically designed peptide. <i>Chemical Communications</i> , 2011, 47, 8277.	2.2	9
113	Fluorescent triplex-forming DNA oligonucleotides labeled with a thiazole orange dimer unit. <i>Artificial DNA, PNA & XNA</i> , 2013, 4, 19-27.	1.4	9
114	Triple Function of 4-Mercaptophenylacetic Acid Promotes One-Pot Multiple Peptide Ligation. <i>Angewandte Chemie</i> , 2018, 130, 16771-16775.	1.6	9
115	Reversible and Photoresponsive Immobilization of Nonadherent Cells by Spiropyran-Conjugated PEG-Lipids. <i>ACS Applied Bio Materials</i> , 2019, 2, 33-38.	2.3	9
116	Toolbox for chemically synthesized histone proteins. <i>Current Opinion in Chemical Biology</i> , 2020, 58, 10-19.	2.8	9
117	DNA-Osmium Complexes: Recent Developments in the Operative Chemical Analysis of DNA Epigenetic Modifications. <i>ChemMedChem</i> , 2014, 9, 1958-1965.	1.6	8
118	Osmium Tag for Post-Transcriptionally Modified RNA. <i>ChemBioChem</i> , 2018, 19, 1653-1656.	1.3	8
119	Simultaneous and Traceless Ligation of Peptide Fragments on DNA Scaffold. <i>Biomacromolecules</i> , 2019, 20, 1246-1253.	2.6	8
120	Efficient Ketose Production by a Hydroxyapatite Catalyst in a Continuous Flow Module. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3372-3377.	3.2	8
121	Single Cell Array Enclosed with a Photodegradable Hydrogel in Microwells for Image-Based Cell Classification and Selective Photorelease of Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 5887-5895.	2.3	8
122	Ligand Incorporation Site in 5-Methylcytosine Detection Probe Modulating the Site of Osmium Complexation with the Target DNA. <i>Chemistry and Biodiversity</i> , 2012, 9, 2000-2007.	1.0	7
123	Effects of roughness and temperature on low-energy hydrogen positive and negative ion reflection from silicon and carbon surfaces. <i>Review of Scientific Instruments</i> , 2014, 85, 02C311.	0.6	7
124	Next-generation fluorescent nucleic acids probes for microscopic analysis of intracellular nucleic acids. <i>Applied Microscopy</i> , 2019, 49, 14.	0.8	7
125	Photoactivatable Materials for Versatile Single-Cell Patterning Based on the Photocaging of Cell-Anchoring Moieties through Lipid Self-Assembly. <i>Journal of the American Chemical Society</i> , 2022, 144, 13154-13162.	6.6	7
126	Production of radical species and modification of DNA through one-electron reduction with indium metal. <i>Tetrahedron Letters</i> , 2007, 48, 3167-3169.	0.7	6

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127	A Probe Containing Two Base-discriminating Fluorescent (BDF) Nucleosides for SNP Typing. <i>Chemistry Letters</i> , 2010, 39, 116-117.	0.7	6
128	Emission control by binary energy transfer processes on oligouridine. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6598.	1.5	6
129	Radiationless deactivation of hybridization-sensitive DNA probe. <i>Journal of Luminescence</i> , 2012, 132, 2566-2571.	1.5	6
130	Unique hole-Trapping property of the degenerate base, 2-amino-7-deazaadenine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3641-3643.	1.0	5
131	P-loop catalytically assisting the enzymatic cleavage of single-stranded DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3747-3751.	1.4	5
132	Fmoc-Compatible and C-terminal-Sequence-Independent Peptide Alkyl Thioester Formation Using Cysteinylpropyl Imide. <i>Organic Letters</i> , 2020, 22, 4670-4674.	2.4	5
133	A Light-Inducible Hedgehog Signaling Activator Modulates Proliferation and Differentiation of Neural Cells. <i>ACS Chemical Biology</i> , 2020, 15, 1595-1603.	1.6	5
134	5-Methylcytosine-Selective Osmium Oxidation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1601-1604.	0.4	4
135	On-Chip DNA Methylation Analysis Using Osmium Complexation. <i>Journal of Nucleic Acids</i> , 2011, 2011, 1-5.	0.8	4
136	Microfluidic preparation of anchored cell membrane sheets for in vitro analyses and manipulation of the cytoplasmic face. <i>Scientific Reports</i> , 2017, 7, 14962.	1.6	4
137	Photophysical properties of fluorescent imaging biological probes of nucleic acids: SAC-Cl and TD-DFIT Study. <i>Journal of Computational Chemistry</i> , 2019, 40, 127-134.	1.5	4
138	Photo-responsive materials with strong cell trapping ability for light-guided manipulation of nonadherent cells. <i>Biomaterials Science</i> , 2019, 7, 4514-4518.	2.6	4
139	Sterically Bulky Caging of Transferrin for Photoactivatable Intracellular Delivery. <i>Bioconjugate Chemistry</i> , 2021, 32, 1535-1540.	1.8	4
140	Synthesis and Use of Osmium-DNA Complexes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 680-687.	0.0	4
141	Changes of ¹³ C Triple Bond Vibration that Disclosed Non-Canonical Cytosine Protonation in i-Motif-Forming Oligodeoxynucleotides. <i>ACS Omega</i> , 2021, 6, 31595-31604.	1.6	4
142	Sequence-selective 5-methylcytosine oxidation for epigenotyping. <i>Nucleic Acids Symposium Series</i> , 2005, 49, 45-46.	0.3	3
143	Synthesis of exciton-controlled fluorescent probes for RNA imaging. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 155-156.	0.3	3
144	ICON Probes: Synthesis and DNA Methylation Typing. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2011, 47, Unit 8.7.1-17.	0.5	3

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145	Thiazole Orange-Tethered Nucleic Acids and ECHO Probes for Fluorometric Detection of Nucleic Acids. <i>Nucleic Acids and Molecular Biology</i> , 2016, , 63-81.	0.2	3
146	<sc>DNA-tagged fluorescence </sc> <i>in situ</i> hybridization for highly sensitive imaging of RNAs in single cells. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8084-8088.	1.5	3
147	Phosphopeptides Designed for 5-Methylcytosine Recognition. <i>Biochemistry</i> , 2011, 50, 3376-3385.	1.2	2
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