

Tamaki Endoh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Suppression of Gene Expression by G-Quadruplexes in Open Reading Frames Depends on G-Quadruplex Stability. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5522-5526.	13.8	125
2	Stability of RNA quadruplex in open reading frame determines proteolysis of human estrogen receptor β . <i>Nucleic Acids Research</i> , 2013, 41, 6222-6231.	14.5	63
3	Nucleobase-Modified PNA Suppresses Translation by Forming a Triple Helix with a Hairpin Structure in mRNA <i>In</i> -Vitro and in Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 899-903.	13.8	56
4	Pursuing origins of (poly)ethylene glycol-induced G-quadruplex structural modulations. <i>Nucleic Acids Research</i> , 2018, 46, 4301-4315.	14.5	44
5	Cotranslational protein assembly imposes evolutionary constraints on homomeric proteins. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 279-288.	8.2	43
6	Unusual \sim 1 Ribosomal Frameshift Caused by Stable RNA G-Quadruplex in Open Reading Frame. <i>Analytical Chemistry</i> , 2013, 85, 11435-11439.	6.5	41
7	Mechanical insights into ribosomal progression overcoming RNA G-quadruplex from periodical translation suppression in cells. <i>Scientific Reports</i> , 2016, 6, 22719.	3.3	39
8	Nearest-neighbor parameters for predicting DNA duplex stability in diverse molecular crowding conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14194-14201.	7.1	37
9	Real-Time Monitoring of G-Quadruplex Formation during Transcription. <i>Analytical Chemistry</i> , 2016, 88, 1984-1989.	6.5	34
10	Tuning Riboswitch-Mediated Gene Regulation by Rational Control of Aptamer Ligand Binding Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 905-909.	13.8	33
11	tRNA Shifts the G-Quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14315-14319.	13.8	31
12	Validation of the nearest-neighbor model for Watson-Crick self-complementary DNA duplexes in molecular crowding condition. <i>Nucleic Acids Research</i> , 2019, 47, 3284-3294.	14.5	30
13	Improved nearest-neighbor parameters for the stability of RNA/DNA hybrids under a physiological condition. <i>Nucleic Acids Research</i> , 2020, 48, 12042-12054.	14.5	30
14	Conformational Dynamics of the RNA G-Quadruplex and its Effect on Translation Efficiency. <i>Molecules</i> , 2019, 24, 1613.	3.8	29
15	Translational halt during elongation caused by G-quadruplex formed by mRNA. <i>Methods</i> , 2013, 64, 73-78.	3.8	25
16	Detection of Bioactive Small Molecules by Fluorescent Resonance Energy Transfer (FRET) in RNA-Protein Conjugates. <i>Bioconjugate Chemistry</i> , 2009, 20, 2242-2246.	3.6	22
17	Crowding Shifts the FMN Recognition Mechanism of Riboswitch Aptamer from Conformational Selection to Induced Fit. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6868-6872.	13.8	22
18	Chemical Biology of Double Helical and Non-Double Helical Nucleic Acids: To Be or Not To Be, That Is the Question. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1970-1998.	3.2	19

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19	Dehydration from conserved stem regions is fundamental for ligand-dependent conformational transition of the adenine-specific riboswitch. <i>Chemical Communications</i> , 2012, 48, 9693.	4.1	15
20	Triplex-forming PNA modified with unnatural nucleobases: the role of protonation entropy in RNA binding. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32002-32006.	2.8	15
21	Rational Design and Tuning of Functional RNA Switch to Control an Allosteric Intermolecular Interaction. <i>Analytical Chemistry</i> , 2015, 87, 7628-7635.	6.5	14
22	Conformational Dynamics of mRNA in Gene Expression as New Pharmaceutical Target. <i>Chemical Record</i> , 2017, 17, 817-832.	5.8	13
23	Triple-Helical Binding of Peptide Nucleic Acid Inhibits Maturation of Endogenous MicroRNA-197. <i>ACS Chemical Biology</i> , 2021, 16, 1147-1151.	3.4	13
24	Site-specific control of silica mineralization on DNA using a designed peptide. <i>Chemical Communications</i> , 2016, 52, 4010-4013.	4.1	12
25	Transcriptome screening followed by integrated physicochemical and structural analyses for investigating RNA-mediated berberine activity. <i>Nucleic Acids Research</i> , 2021, 49, 8449-8461.	14.5	11
26	Gene Regulation System with an Artificial RNA Switch Operating in Human Cells. <i>ChemBioChem</i> , 2011, 12, 1174-1178.	2.6	10
27	Key Tertiary Interactions in FMN Riboswitch Aptamers Required for Ligand Binding. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 946-948.	3.2	10
28	RNA-Capturing Microsphere Particles (RCAMPs) for Optimization of Functional Aptamers. <i>Small</i> , 2019, 15, e1805062.	10.0	9
29	Selection of RNAs for Constructing "Lighting-UP" Biomolecular Switches in Response to Specific Small Molecules. <i>PLoS ONE</i> , 2013, 8, e60222.	2.5	7
30	Co-Transcriptional Molecular Assembly Results in a Kinetically Controlled Irreversible RNA Conformational Switch. <i>Analytical Chemistry</i> , 2018, 90, 11193-11197.	6.5	7
31	Signaling Aptamer Optimization through Selection Using RNA-Capturing Microsphere Particles. <i>Analytical Chemistry</i> , 2020, 92, 7955-7963.	6.5	6
32	Nucleobase-Modified PNA Suppresses Translation by Forming a Triple Helix with a Hairpin Structure in mRNA In-Vitro and in Cells. <i>Angewandte Chemie</i> , 2016, 128, 911-915.	2.0	4
33	tRNA Shifts the G-quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer. <i>Angewandte Chemie</i> , 2016, 128, 14527-14531.	2.0	4
34	Effects of Modifying Thioflavin T at the N3-Position on Its G4 Binding and Fluorescence Emission. <i>Molecules</i> , 2020, 25, 4936.	3.8	4
35	Aptamer-Based Universal Fluorometric Sensors Based on Allosteric Modulation of RNA-Peptide Interactions. <i>ChemMedChem</i> , 2014, 9, 2045-2048.	3.2	3
36	Nucleic Acids Chemistry and Engineering: Special Issue on Nucleic Acid Conjugates for Biotechnological Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3594.	2.5	1

#	ARTICLE	IF	CITATIONS
37	Applicability of the nearest-neighbour model for pseudoknot RNAs. <i>Chemical Communications</i> , 2022, 58, 5952-5955.	4.1	1
38	Titelbild: Nucleobase-Modified PNA Suppresses Translation by Forming a Triple Helix with a Hairpin Structure in mRNA <i>In Vitro</i> and in Cells (<i>Angew. Chem.</i> 3/2016). <i>Angewandte Chemie</i> , 2016, 128, 833-833.	2.0	0
39	Innen-¼-cktitelbild: tRNA Shifts the G-quadruplex-Hairpin Conformational Equilibrium in RNA towards the Hairpin Conformer (<i>Angew. Chem.</i> 46/2016). <i>Angewandte Chemie</i> , 2016, 128, 14685-14685.	2.0	0
40	Aptamer Optimization: RNA-Capturing Microsphere Particles (RCAMPs) for Optimization of Functional Aptamers (<i>Small</i> 26/2019). <i>Small</i> , 2019, 15, 1970140.	10.0	0