Miki Imanishi

List of Publications by Year
in descending order

65 papers	1,213 citations	394421 19 h-index	434195 31 g-index
73 all docs	73 docs citations	73 times ranked	1353 citing authors

#	Article	IF	Citations
1	Detection of<i>N</i>⁶-methyladenosine based on the methyl-sensitivity of MazF RNA endonuclease. Chemical Communications, 2017, 53, 12930-12933.	4.1	113
2	Autoinhibition regulates the motility of the C. elegans intraflagellar transport motor OSM-3. Journal of Cell Biology, 2006, 174, 931-937.	5.2	105
3	Cytosolic Targeting of Macromolecules Using a pH-Dependent Fusogenic Peptide in Combination with Cationic Liposomes. Bioconjugate Chemistry, 2009, 20, 953-959.	3.6	81
4	Artificial Nine Zinc-Finger Peptide with 30 Base Pair Binding Sites. Biochemistry, 1998, 37, 13827-13834.	2.5	69
5	New Redesigned Zincâ€Finger Proteins: Design Strategy and Its Application. Chemistry - A European Journal, 2008, 14, 3236-3249.	3.3	64
6	Signal Transduction Using an Artificial Receptor System that Undergoes Dimerization Upon Addition of a Bivalent Leucineâ€Zipper Ligand. Angewandte Chemie - International Edition, 2012, 51, 7464-7467.	13.8	39
7	DNA-Bending Finger:Â Artificial Design of 6-Zinc Finger Peptides with Polyglycine Linker and Induction of DNA Bendingâ€. Biochemistry, 2000, 39, 4383-4390.	2.5	37
8	Optimizing Charge Switching in Membrane Lytic Peptides for Endosomal Release of Biomacromolecules. Angewandte Chemie - International Edition, 2020, 59, 19990-19998.	13.8	36
9	Artificial DNA-Bending Six-Zinc Finger Peptides with Different Charged Linkers:â€‰ Distinct Kinetic Properties of DNA Bindings. Biochemistry, 2002, 41, 1328-1334.	2.5	31
10	Stimulating Macropinocytosis for Intracellular Nucleic Acid and Protein Delivery: A Combined Strategy with Membrane-Lytic Peptides To Facilitate Endosomal Escape. Bioconjugate Chemistry, 2020, 31, 547-553.	3.6	31
11	Octa-Arginine Mediated Delivery of Wild-Type Lnk Protein Inhibits TPO-Induced M-MOK Megakaryoblastic Leukemic Cell Growth by Promoting Apoptosis. PLoS ONE, 2011, 6, e23640.	2.5	31
12	Site-specific DNA cleavage by artificial zinc finger-type nuclease with cerium-binding peptide. Biochemical and Biophysical Research Communications, 2005, 330, 247-252.	2.1	30
13	Design of novel zinc finger proteins: towards artificial control of specific gene expression. European Journal of Pharmaceutical Sciences, 2001, 13, 91-97.	4.0	25
14	Î±-Helical Linker of an Artificial 6-Zinc Finger Peptide Contributes to Selective DNA Binding to a Discontinuous Recognition Sequence. Biochemistry, 2007, 46, 8517-8524.	2.5	24
15	Programmable RNA methylation and demethylation using PUF RNA binding proteins. Chemical Communications, 2020, 56, 1365-1368.	4.1	23
16	Zn(II) Binding and DNA Binding Properties of Ligand-Substituted CXHH-Type Zinc Finger Proteins. Biochemistry, 2012, 51, 3342-3348.	2.5	21
17	Creating a TALE protein with unbiased 5â€²-T binding. Biochemical and Biophysical Research Communications, 2013, 441, 262-265.	2.1	21
18	Liquid Droplet Formation and Facile Cytosolic Translocation of IgG in the Presence of Attenuated Cationic Amphiphilic Lytic Peptides. Angewandte Chemie - International Edition, 2021, 60, 19804-19812.	13.8	21

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19	Recognition of G-quadruplex RNA by a crucial RNA methyltransferase component, METTL14. Nucleic Acids Research, 2022, 50, 449-457.	14.5	21
20	Cobalt(II)â€Responsive DNA Binding of a GCN4â€bZIP Protein Containing Cysteine Residues Functionalized with Iminodiacetic Acid. Angewandte Chemie - International Edition, 2009, 48, 6853-6856.	13.8	20
21	Identification of cellular proteins interacting with octaarginine (R8) cell-penetrating peptide by photo-crosslinking. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3738-3740.	2.2	20
22	Multiconnection of Identical Zinc Finger: Implication for DNA Binding Affinity and Unit Modulation of the Three Zinc Finger Domainâ€. Biochemistry, 2001, 40, 2932-2941.	2.5	17
23	DNA cleavage characteristics of non-protein enediyne antibiotic N1999A2. Biochemical and Biophysical Research Communications, 2003, 306, 87-92.	2.1	17
24	Preparation of peptide thioesters from naturally occurring sequences using reaction sequence consisting of regioselective Sâ€cyanylation and hydrazinolysis. Biopolymers, 2016, 106, 531-546.	2.4	16
25	Expressed protein ligation for the preparation of fusion proteins with cell penetrating peptides for endotoxin removal and intracellular delivery. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2249-2257.	2.6	15
26	Creation and characteristics of unnatural CysHis3-type zinc finger protein. Biochemical and Biophysical Research Communications, 2004, 325, 421-425.	2.1	13
27	Positive and negative cooperativity of modularly assembled zinc fingers. Biochemical and Biophysical Research Communications, 2009, 387, 440-443.	2.1	13
28	Sequence-specific recognition of methylated DNA by an engineered transcription activator-like effector protein. Chemical Communications, 2016, 52, 14238-14241.	4.1	13
29	Swapping of the Î²-Hairpin Region between Sp1 and GLI Zinc Fingers:Â Significant Role of the Î²-Hairpin Region in DNA Binding Properties of C2H2-type Zinc Finger Peptidesâ€. Biochemistry, 2005, 44, 2523-2528.	2.5	12
30	Rapid Transcriptional Activity <i>in Vivo</i> and Slow DNA Binding <i>in Vitro</i> by an Artificial Multi-Zinc Finger Protein. Biochemistry, 2008, 47, 10171-10177.	2.5	12
31	Enhancing the activity of membrane remodeling epsin-peptide by trimerization. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127190.	2.2	12
32	Conversion of cationic amphiphilic lytic peptides to cellâ€penetration peptides. Peptide Science, 2020, 112, e24144.	1.8	11
33	Discovery of a Macropinocytosisâ€Inducing Peptide Potentiated by Mediumâ€Mediated Intramolecular Disulfide Formation. Angewandte Chemie - International Edition, 2021, 60, 11928-11936.	13.8	11
34	Effects of linking 15-zinc finger domains on DNA binding specificity and multiple DNA binding modes. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2197-2201.	2.2	10
35	DNA-Binding Ability of GAGA Zinc Finger Depends on the Nature of Amino Acids Present in the Î²-Hairpin. Biochemistry, 2007, 46, 7506-7513.	2.5	10
36	Metalâ€Stimulated Regulation of Transcription by an Artificial Zincâ€Finger Protein. ChemBioChem, 2010, 11, 1653-1655.	2.6	10

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37	Dipicolylamine as a unique structural switching element for helical peptides. Organic and Biomolecular Chemistry, 2012, 10, 6062.	2.8	10
38	An artificial six-zinc finger peptide with polyarginine linker: Selective binding to the discontinuous DNA sequences. Biochemical and Biophysical Research Communications, 2005, 333, 167-173.	2.1	9
39	Artificial Nanocage Formed via Self-Assembly of Î²-Annulus Peptide for Delivering Biofunctional Proteins into Cell Interiors. Bioconjugate Chemistry, 2022, 33, 311-320.	3.6	9
40	An Arginine Residue Instead of a Conserved Leucine Residue in the Recognition Helix of the Finger 3 of Zif268 Stabilizes the Domain Structure and Mediates DNA Binding. Biochemistry, 2011, 50, 6266-6272.	2.5	8
41	Controlling leucine-zipper partner recognition in cells through modification of aâ€“g interactions. Chemical Communications, 2014, 50, 6364-6367.	4.1	8
42	Exchange of Histidine Spacing between Sp1 and GLI Zinc Fingers:Â Distinct Effect of Histidine Spacing-Linker Region on DNA Bindingâ€. Biochemistry, 2004, 43, 6352-6359.	2.5	7
43	Zinc fingerâ€“zinc finger interaction between the transcription factors, GATA-1 and Sp1. Biochemical and Biophysical Research Communications, 2010, 400, 625-630.	2.1	7
44	Use of homoarginine to obtain attenuated cationic membrane lytic peptides. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127925.	2.2	7
45	Non-FokI-Based Zinc Finger Nucleases. Methods in Molecular Biology, 2010, 649, 337-349.	0.9	7
46	Effects of Bulkiness and Hydrophobicity of an Aliphatic Amino Acid in the Recognition Helix of the GAGA Zinc Finger on the Stability of the Hydrophobic Core and DNA Binding Affinity. Biochemistry, 2008, 47, 11717-11724.	2.5	6
47	Nested PUF Proteins: Extending Target RNA Elements for Gene Regulation. ChemBioChem, 2018, 19, 171-176.	2.6	6
48	Modified nucleobase-specific gene regulation using engineered transcription activator-like effectors. Advanced Drug Delivery Reviews, 2019, 147, 59-65.	13.7	6
49	Optimizing Charge Switching in Membrane Lytic Peptides for Endosomal Release of Biomacromolecules. Angewandte Chemie, 2020, 132, 20165-20173.	2.0	6
50	Construction of a Rhythm Transfer System That Mimics the Cellular Clock. ACS Chemical Biology, 2012, 7, 1817-1821.	3.4	5
51	Rational design of DNA sequenceâ€specific zinc fingers. FEBS Letters, 2012, 586, 918-923.	2.8	5
52	Construction of a Ca²⁺-Gated Artificial Channel by Fusing Alamethicin with a Calmodulin-Derived Extramembrane Segment. Bioconjugate Chemistry, 2013, 24, 188-195.	3.6	5
53	Loosening of Lipid Packing by Cellâ€Surface Recruitment of Amphiphilic Peptides by Coiledâ€Coil Tethering. ChemBioChem, 2019, 20, 2151-2159.	2.6	5
54	Identification of synthetic inhibitors for the DNA binding of intrinsically disordered circadian clock transcription factors. Chemical Communications, 2020, 56, 11203-11206.	4.1	5

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55	Control of Circadian Phase by an Artificial Zinc Finger Transcription Regulator. Angewandte Chemie - International Edition, 2011, 50, 9396-9399.	13.8	3
56	Effective RNA Regulation by Combination of Multiple Programmable RNA-Binding Proteins. Applied Sciences (Switzerland), 2020, 10, 6803.	2.5	3
57	L17ER4: A cell-permeable attenuated cationic amphiphilic lytic peptide. Bioorganic and Medicinal Chemistry, 2022, 61, 116728.	3.0	3
58	Grafting Hydrophobic Amino Acids Critical for Inhibition of Proteinâ€“Protein Interactions on a Cell-Penetrating Peptide Scaffold. Molecular Pharmaceutics, 2022, 19, 558-567.	4.6	3
59	Mechanisms and Strategies for Determining m⁶A RNA Modification Sites by Natural and Engineered m⁶A Effector Proteins. Chemistry - an Asian Journal, 2022, 17, .	3.3	3
60	Sequence-specific 5mC detection in live cells based on the TALE-split luciferase complementation system. Analyst, The, 2018, 143, 3793-3797.	3.5	2
61	Discovery of a Macropinocytosisâ€Inducing Peptide Potentiated by Mediumâ€Mediated Intramolecular Disulfide Formation. Angewandte Chemie, 2021, 133, 12035-12043.	2.0	2
62	Liquid Droplet Formation and Facile Cytosolic Translocation of IgG in the Presence of Attenuated Cationic Amphiphilic Lytic Peptides. Angewandte Chemie, 2021, 133, 19957-19965.	2.0	2
63	<scp>C</scp>almodulin EFâ€hand peptides as Ca²⁺â€switchable recognition tags. Biopolymers, 2017, 108, e22937.	2.4	1
64	Titelbild: Liquid Droplet Formation and Facile Cytosolic Translocation of IgG in the Presence of Attenuated Cationic Amphiphilic Lytic Peptides (Angew. Chem. 36/2021). Angewandte Chemie, 2021, 133, 19645-19645.	2.0	0
65	Split luciferase-based estimation of cytosolic cargo concentration delivered intracellularly via attenuated cationic amphiphilic lytic peptides. Bioorganic and Medicinal Chemistry Letters, 2022, 72, 128875.	2.2	0