Wataru Nomura

List of Publications by Year
in descending order

74 papers	1,294 citations	394421 19 h-index	434195 31 g-index
79 all docs	79 docs citations	79 times ranked	1101 citing authors

#	Article	IF	Citations
1	Fluorescence resonance energy transfer-based screening for protein kinase C ligands using 6-methoxynaphthalene-labeled 1,2-diacylglycerol-lactones. Organic and Biomolecular Chemistry, 2021, 19, 8264-8271.	2.8	2
2	Molecular Switch Engineering for Precise Genome Editing. Bioconjugate Chemistry, 2021, 32, 639-648.	3.6	2
3	Discovery of a Macropinocytosisâ€Inducing Peptide Potentiated by Mediumâ€Mediated Intramolecular Disulfide Formation. Angewandte Chemie - International Edition, 2021, 60, 11928-11936.	13.8	11
4	Discovery of a Macropinocytosisâ€Inducing Peptide Potentiated by Mediumâ€Mediated Intramolecular Disulfide Formation. Angewandte Chemie, 2021, 133, 12035-12043.	2.0	2
5	TALEN-Based Chemically Inducible, Dimerization-Dependent, Sequence-Specific Nucleases. Biochemistry, 2020, 59, 197-204.	2.5	8
6	A cell cycle-dependent CRISPR-Cas9 activation system based on an anti-CRISPR protein shows improved genome editing accuracy. Communications Biology, 2020, 3, 601.	4.4	23
7	Synthesis of hydrophilic caged DAG-lactones for chemical biology applications. Organic and Biomolecular Chemistry, 2020, 18, 4217-4223.	2.8	0
8	Dimeric C34 Derivatives Linked through Disulfide Bridges as New HIVâ€1 Fusion Inhibitors. ChemBioChem, 2019, 20, 2101-2108.	2.6	10
9	Development of a NanoBRET-Based Sensitive Screening Method for CXCR4 Ligands. Bioconjugate Chemistry, 2019, 30, 1442-1450.	3.6	12
10	Design, synthesis and biological evaluation of low molecular weight CXCR4 ligands. Bioorganic and Medicinal Chemistry, 2019, 27, 1130-1138.	3.0	15
11	Benzolactam-related compounds promote apoptosis of HIV-infected human cells via protein kinase Câ€“induced HIV latency reversal. Journal of Biological Chemistry, 2019, 294, 116-129.	3.4	31
12	Synthesis of a Chloroalkene Dipeptide Isostere-Containing Peptidomimetic and Its Biological Application. ACS Medicinal Chemistry Letters, 2018, 9, 6-10.	2.8	10
13	Inhibition of EGFR Activation by Bivalent Ligands Based on a Cyclic Peptide Mimicking the Dimerization Arm Structure of EGFR. Chemical and Pharmaceutical Bulletin, 2018, 66, 1083-1089.	1.3	10
14	Efficient and Orthogonal Transcription Regulation by Chemically Inducible Artificial Transcription Factors. Biochemistry, 2018, 57, 6452-6459.	2.5	10
15	Delivery of a Proapoptotic Peptide to EGFR-Positive Cancer Cells by a Cyclic Peptide Mimicking the Dimerization Arm Structure of EGFR. Bioconjugate Chemistry, 2018, 29, 2050-2057.	3.6	8
16	Development of Toolboxes for Precision Genome/Epigenome Editing and Imaging of Epigenetics. Chemical Record, 2018, 18, 1717-1726.	5.8	5
17	Chemicallyâ€controlled orthogonal regulation of multiple endogenous genes. FASEB Journal, 2018, 32, .	0.5	0
18	Microwave-Assisted Synthesis of Azacoumarin Fluorophores and the Fluorescence Characterization. Journal of Organic Chemistry, 2017, 82, 2739-2744.	3.2	25

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19	Bivalent 14â€mer peptide ligands of CXCR4 with polyproline linkers with antiâ€chemotactic activity against Jurkat cells. Journal of Peptide Science, 2017, 23, 574-580.	1.4	4
20	<scp>D</scp>evelopment of antiâ€HIV peptides based on a viral capsid protein. Biopolymers, 2017, 108, e22920.	2.4	14
21	Synthesis and Evaluation of Dimeric Derivatives of Diacylglycerolâ€“Lactones as Protein Kinase C Ligands. Bioconjugate Chemistry, 2017, 28, 2135-2144.	3.6	6
22	Multimerized HIVâ€gp41â€derived peptides as fusion inhibitors and vaccines. Biopolymers, 2016, 106, 622-628.	2.4	3
23	Functional evaluation of fluorescein-labeled derivatives of a peptide inhibitor of the EGF receptor dimerization. Bioorganic and Medicinal Chemistry, 2016, 24, 3406-3412.	3.0	7
24	Smallâ€Molecule CD4 Mimics Containing Monoâ€cyclohexyl Moieties as HIV Entry Inhibitors. ChemMedChem, 2016, 11, 940-946.	3.2	32
25	A minimally cytotoxic CD4 mimic as an HIV entry inhibitor. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 397-400.	2.2	26
26	Trivalent ligands for CXCR4 bearing polyproline linkers show specific recognition for cells with increased CXCR4 expression. Organic and Biomolecular Chemistry, 2015, 13, 8734-8739.	2.8	8
27	Anti-HIV screening for cell-penetrating peptides using chloroquine and identification of anti-HIV peptides derived from matrix proteins. Bioorganic and Medicinal Chemistry, 2015, 23, 4423-4427.	3.0	12
28	An In-Cell Fluorogenic Tagâ€“Probe System for Protein Dynamics Imaging Enabled by Cell-Penetrating Peptides. Bioconjugate Chemistry, 2015, 26, 1080-1085.	3.6	15
29	Exploration of labeling by near infrared dyes of the polyproline linker for bivalent-type CXCR4 ligands. Bioorganic and Medicinal Chemistry, 2015, 23, 6967-6973.	3.0	5
30	Utilization of the Heavy Atom Effect for the Development of a Photosensitive 8-Azacoumarin-Type Photolabile Protecting Group. Organic Letters, 2015, 17, 5372-5375.	4.6	16
31	Development of the 8-aza-3-bromo-7-hydroxycoumarin-4-ylmethyl group as a new entry of photolabile protecting groups. Tetrahedron, 2014, 70, 4400-4404.	1.9	16
32	Development of a traceable linker containing a thiol-responsive amino acid for the enrichment and selective labelling of target proteins. Organic and Biomolecular Chemistry, 2014, 12, 3821.	2.8	11
33	Development of a fluoride-responsive amide bond cleavage device that is potentially applicable to a traceable linker. Tetrahedron, 2014, 70, 5122-5127.	1.9	9
34	Screening for Protein Kinase C Ligands Using Fluorescence Resonance Energy Transfer. Chemical and Pharmaceutical Bulletin, 2014, 62, 1019-1025.	1.3	3
35	Cell-Permeable Stapled Peptides Based on HIV-1 Integrase Inhibitors Derived from HIV-1 Gene Products. ACS Chemical Biology, 2013, 8, 2235-2244.	3.4	53
36	Multimerized CHR-derived peptides as HIV-1 fusion inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 4452-4458.	3.0	22

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37	A CD4 mimic as an HIV entry inhibitor: Pharmacokinetics. Bioorganic and Medicinal Chemistry, 2013, 21, 7884-7889.	3.0	19
38	Lowâ€Molecularâ€Weight CXCR4 Ligands with Variable Spacers. ChemMedChem, 2013, 8, 118-124.	3.2	7
39	CXCR4-derived synthetic peptides inducing anti-HIV-1 antibodies. Bioorganic and Medicinal Chemistry, 2013, 21, 6878-6885.	3.0	8
40	CD4 mimics as HIV entry inhibitors: Lead optimization studies of the aromatic substituents. Bioorganic and Medicinal Chemistry, 2013, 21, 2518-2526.	3.0	35
41	Antiâ€HIVâ€1 Peptide Derivatives Based on the HIVâ€1 Coâ€receptorâ€‰CXCR4. ChemMedChem, 2013, 8, 1668-1672.	3.2	3
42	Peptideâ€based ligand screening and functional analysis of protein kinase C. Biopolymers, 2013, 100, 613-620.	2.4	0
43	Effects of DNA Binding of the Zinc Finger and Linkers for Domain Fusion on the Catalytic Activity of Sequence-Specific Chimeric Recombinases Determined by a Facile Fluorescent System. Biochemistry, 2012, 51, 1510-1517.	2.5	11
44	A Synthetic C34 Trimer of HIVâ€1 gp41 Shows Significant Increase in Inhibition Potency. ChemMedChem, 2012, 7, 205-208.	3.2	31
45	Conjugation of cell-penetrating peptides leads to identification of anti-HIV peptides from matrix proteins. Bioorganic and Medicinal Chemistry, 2012, 20, 1468-1474.	3.0	20
46	Evaluation of a synthetic C34 trimer of HIV-1 gp41 as AIDS vaccines. Bioorganic and Medicinal Chemistry, 2012, 20, 3287-3291.	3.0	14
47	Pharmacophore-based small molecule CXCR4 ligands. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4169-4172.	2.2	9
48	Fluorescence-Quenching Screening of Protein Kinase C Ligands with an Environmentally Sensitive Fluorophore. Bioconjugate Chemistry, 2011, 22, 923-930.	3.6	14
49	Fluorescent-Responsive Synthetic C1b Domains of Protein Kinase Cΐ´ as Reporters of Specific High-Affinity Ligand Binding. Bioconjugate Chemistry, 2011, 22, 82-87.	3.6	4
50	The successes and failures of HIV drug discovery. Expert Opinion on Drug Discovery, 2011, 6, 1067-1090.	5.0	18
51	Small molecular CD4 mimics as HIV entry inhibitors. Bioorganic and Medicinal Chemistry, 2011, 19, 6735-6742.	3.0	44
52	Azamacrocyclic Metal Complexes as CXCR4 Antagonists. ChemMedChem, 2011, 6, 834-839.	3.2	24
53	Synthetic Caged DAGâ€lactones for Photochemically Controlled Activation of Protein Kinase C. ChemBioChem, 2011, 12, 535-539.	2.6	18
54	Intense Blue Fluorescence in a Leucine Zipper Assembly. ChemBioChem, 2011, 12, 691-694.	2.6	11

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55	Bivalent Ligands of CXCR4 with Rigid Linkers for Elucidation of the Dimerization State in Cells. Journal of the American Chemical Society, 2010, 132, 15899-15901.	13.7	81
56	Development of crosslinkâ€type tagâ€probe pairs for fluorescent imaging of proteins. Biopolymers, 2010, 94, 843-852.	2.4	16
57	Peptidic HIV integrase inhibitors derived from HIV gene products: Structureâ€“activity relationship studies. Bioorganic and Medicinal Chemistry, 2010, 18, 6771-6775.	3.0	19
58	CD4 mimics targeting the mechanism of HIV entry. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 354-358.	2.2	61
59	CD4 mimics targeting the HIV entry mechanism and their hybrid molecules with a CXCR4 antagonist. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5853-5858.	2.2	39
60	Peptide HIV-1 Integrase Inhibitors from HIV-1 Gene Products. Journal of Medicinal Chemistry, 2010, 53, 5356-5360.	6.4	37
61	Remodeling of Dynamic Structures of HIV-1 Envelope Proteins Leads to Synthetic Antigen Molecules Inducing Neutralizing Antibodies. Bioconjugate Chemistry, 2010, 21, 709-714.	3.6	19
62	Fluorogenically Active Leucine Zipper Peptides as Tagâ€“Probe Pairs for Protein Imaging in Living Cells. Angewandte Chemie - International Edition, 2009, 48, 9164-9166.	13.8	32
63	Synthesis of protein kinase CÎ´ C1b domain by native chemical ligation methodology and characterization of its folding and ligand binding. Journal of Peptide Science, 2009, 15, 642-646.	1.4	16
64	Structure-activity relationship study on artificial CXCR4 ligands possessing the cyclic pentapeptide scaffold: the exploration of amino acid residues of pentapeptides by substitutions of several aromatic amino acids. Organic and Biomolecular Chemistry, 2009, 7, 3805.	2.8	16
65	Structure-activity relationship study of CXCR4 antagonists bearing the cyclic pentapeptide scaffold: identification of the new pharmacophore. Organic and Biomolecular Chemistry, 2008, 6, 4374.	2.8	19
66	Fluorophore Labeling Enables Imaging and Evaluation of Specific CXCR4â^'Ligand Interaction at the Cell Membrane for Fluorescence-Based Screening. Bioconjugate Chemistry, 2008, 19, 1917-1920.	3.6	42
67	A future perspective on the development of chemokine receptor CXCR4 antagonists. Expert Opinion on Drug Discovery, 2008, 3, 1155-1166.	5.0	6
68	In Vivo Site-Specific DNA Methylation with a Designed Sequence-Enabled DNA Methylase. Journal of the American Chemical Society, 2007, 129, 8676-8677.	13.7	63
69	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
70	Effects of Length and Position of an Extended Linker on Sequence-Selective DNA Recognition of Zinc Finger Peptides. Biochemistry, 2003, 42, 14805-14813.	2.5	10
71	Influence of TFIIIA-type linker at the N- or C-terminal of nine-zinc finger protein on DNA-binding site. Biochemical and Biophysical Research Communications, 2003, 300, 87-92.	2.1	8
72	Interconversion between Serine and Aspartic Acid in the Î± Helix of the N-Terminal Zinc Finger of Sp1:â€‰ Implication for General Recognition Code and for Design of Novel Zinc Finger Peptide Recognizing Complementary Strand. Biochemistry, 2002, 41, 8819-8825.	2.5	11

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73	Significant Effect of Linker Sequence on DNA Recognition by Multi-Zinc Finger Protein. Biochemical and Biophysical Research Communications, 2001, 282, 1001-1007.	2.1	26
74	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