

Hiroki Akiba

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

400
citations

840776

11
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of IgG1-based bispecific antibody without extra cysteine residue via intein-mediated protein trans-splicing. <i>Scientific Reports</i> , 2021, 11, 19411.	3.3	3
2	Epitope-dependent thermodynamic signature of single-domain antibodies against hen egg lysozyme. <i>Journal of Biochemistry</i> , 2021, 170, 623-629.	1.7	2
3	¹¹¹ In-labeled anti-cadherin17 antibody D2101 has potential as a noninvasive imaging probe for diagnosing gastric cancer and lymph-node metastasis. <i>Annals of Nuclear Medicine</i> , 2020, 34, 13-23.	2.2	9
4	⁶⁴ Cu-labeled minibody D2101 visualizes CDH17-positive gastric cancer xenografts with short waiting time. <i>Nuclear Medicine Communications</i> , 2020, Publish Ahead of Print, 688-695.	1.1	3
5	Dual-Sensitive Nanomicelles Enhancing Systemic Delivery of Therapeutically Active Antibodies Specifically into the Brain. <i>ACS Nano</i> , 2020, 14, 6729-6742.	14.6	65
6	Generation of biparatopic antibody through two-step targeting of fragment antibodies on antigen using SpyTag and SpyCatcher. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 25, e00418.	4.4	13
7	GPC1 specific CAR-T cells eradicate established solid tumor without adverse effects and synergize with anti-PD-1 Ab. <i>ELife</i> , 2020, 9, .	6.0	41
8	Development and activities, including immunocomplex formation, of biparatopic antibodies and alternative scaffold proteins. <i>Translational and Regulatory Sciences</i> , 2020, 2, 1-6.	0.2	1
9	Effect of allotypic variation of human IgG1 on the thermal stability of disulfide-linked knobs-into-holes mutants of the Fc for stable bispecific antibody design. <i>Antibody Therapeutics</i> , 2019, 2, 65-69.	1.9	2
10	Computer-guided library generation applied to the optimization of single-domain antibodies. <i>Protein Engineering, Design and Selection</i> , 2019, 32, 423-431.	2.1	8
11	Structural and thermodynamic basis for the recognition of the substrate-binding cleft on hen egg lysozyme by a single-domain antibody. <i>Scientific Reports</i> , 2019, 9, 15481.	3.3	36
12	Intramolecular H-bonds govern the recognition of a flexible peptide by an antibody. <i>Journal of Biochemistry</i> , 2018, 164, 65-76.	1.7	12
13	Synergistic Cytotoxic Effect on Gastric Cancer Cells of an Immunotoxin Cocktail in Which Antibodies Recognize Different Epitopes on CDH17. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2018, 37, 1-11.	1.6	6
14	Tyrosine Sulfation Restricts the Conformational Ensemble of a Flexible Peptide, Strengthening the Binding Affinity for an Antibody. <i>Biochemistry</i> , 2018, 57, 4177-4185.	2.5	13
15	Structural behavior of keratin-associated protein 8.1 in human hair as revealed by a monoclonal antibody. <i>Journal of Structural Biology</i> , 2018, 204, 207-214.	2.8	2
16	Roles of the disulfide bond between the variable and the constant domains of rabbit immunoglobulin kappa chains in thermal stability and affinity. <i>Protein Engineering, Design and Selection</i> , 2018, 31, 243-247.	2.1	6
17	Use of SpyTag/SpyCatcher to construct bispecific antibodies that target two epitopes of a single antigen. <i>Journal of Biochemistry</i> , 2017, 162, 203-210.	1.7	21
18	Thermodynamic analyses of amino acid residues at the interface of an antibody B2212A and its antigen roundabout homolog 1. <i>Journal of Biochemistry</i> , 2017, 162, 255-258.	1.7	4

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19	[P1459]: IMMUNOHISTOLOGICAL ANALYSIS OF AMYLOID β OLIGOMER DEPOSITS IN APP KNOCK-IN MICE. Alzheimer's and Dementia, 2017, 13, P462.	0.8	0
20	Selective Sensing of Tyrosine Phosphorylation in Peptides Using Terbium(III) Complexes. International Journal of Analytical Chemistry, 2016, 2016, 1-14.	1.0	13
21	Improved brain expression of anti-amyloid β scFv by complexation of mRNA including a secretion sequence with PEG-based block cationer. Current Alzheimer Research, 2016, 13, 1-1.	1.4	24
22	Thermodynamics of antibody-antigen interaction revealed by mutation analysis of antibody variable regions. Journal of Biochemistry, 2015, 158, 1-13.	1.7	40
23	Click Conjugation of a Binuclear Terbium(III) Complex for Real-Time Detection of Tyrosine Phosphorylation. Analytical Chemistry, 2015, 87, 3834-3840.	6.5	16
24	Conjugation-free, visual, and quantitative evaluation of inhibitors on protein tyrosine kinases and phosphatases with a luminescent Tb(III) complex. Analytical and Bioanalytical Chemistry, 2014, 406, 2957-2964.	3.7	9
25	Binuclear Terbium(III) Complex as a Probe for Tyrosine Phosphorylation. Chemistry - A European Journal, 2010, 16, 5018-5025.	3.3	26
26	Selective Detection of Phosphotyrosine in the Presence of Various Phosphate-Containing Biomolecules with the Aid of a Terbium(III) Complex. ChemBioChem, 2009, 10, 1773-1776.	2.6	24
27	Intramolecular H-Bonds Govern the Recognition of a Flexible Peptide by an Antibody. SSRN Electronic Journal, 0, , .	0.4	1