# Hiroki Akiba

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Dual-Sensitive Nanomicelles Enhancing Systemic Delivery of Therapeutically Active Antibodies Specifically into the Brain. ACS Nano, 2020, 14, 6729-6742. | 14.6 | 65 |
| 2 | GPC1 specific CAR-T cells eradicate established solid tumor without adverse effects and synergize with anti-PD-1 Ab. ELife, 2020, 9, . | 6.0 | 41 |
| 3 | Thermodynamics of antibodyâ€“antigen interaction revealed by mutation analysis of antibody variable regions. Journal of Biochemistry, 2015, 158, 1-13. | 1.7 | 40 |
| 4 | Structural and thermodynamic basis for the recognition of the substrate-binding cleft on hen egg lysozyme by a single-domain antibody. Scientific Reports, 2019, 9, 15481. | 3.3 | 36 |
| 5 | Binuclear Terbium(III) Complex as a Probe for Tyrosine Phosphorylation. Chemistry - A European Journal, 2010, 16, 5018-5025. | 3.3 | 26 |
| 6 | Selective Detection of Phosphotyrosine in the Presence of Various Phosphateâ€Containing Biomolecules with the Aid of a Terbium(III) Complex. ChemBioChem, 2009, 10, 1773-1776. | 2.6 | 24 |
| 7 | Improved brain expression of anti-amyloid Î² scFv by complexation of mRNA including a secretion sequence with PEG-based block catiomer. Current Alzheimer Research, 2016, 13, 1-1. | 1.4 | 24 |
| 8 | Use of SpyTag/SpyCatcher to construct bispecific antibodies that target two epitopes of a single antigen. Journal of Biochemistry, 2017, 162, 203-210. | 1.7 | 21 |
| 9 | Click Conjugation of a Binuclear Terbium(III) Complex for Real-Time Detection of Tyrosine Phosphorylation. Analytical Chemistry, 2015, 87, 3834-3840. | 6.5 | 16 |
| 10 | Selective Sensing of Tyrosine Phosphorylation in Peptides Using Terbium(III) Complexes. International Journal of Analytical Chemistry, 2016, 2016, 1-14. | 1.0 | 13 |
| 11 | Tyrosine Sulfation Restricts the Conformational Ensemble of a Flexible Peptide, Strengthening the Binding Affinity for an Antibody. Biochemistry, 2018, 57, 4177-4185. | 2.5 | 13 |
| 12 | Generation of biparatopic antibody through two-step targeting of fragment antibodies on antigen using SpyTag and SpyCatcher. Biotechnology Reports (Amsterdam, Netherlands), 2020, 25, e00418. | 4.4 | 13 |
| 13 | Intramolecular H-bonds govern the recognition of a flexible peptide by an antibody. Journal of Biochemistry, 2018, 164, 65-76. | 1.7 | 12 |
| 14 | 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 |
| 15 | 111In-labeled anti-cadherin17 antibody D2101 has potential as a noninvasive imaging probe for diagnosing gastric cancer and lymph-node metastasis. Annals of Nuclear Medicine, 2020, 34, 13-23. | 2.2 | 9 |
| 16 | Computer-guided library generation applied to the optimization of single-domain antibodies. Protein Engineering, Design and Selection, 2019, 32, 423-431. | 2.1 | 8 |
| 17 | Synergistic Cytotoxic Effect on Gastric Cancer Cells of an Immunotoxin Cocktail in Which Antibodies Recognize Different Epitopes on CDH17. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2018, 37, 1-11. | 1.6 | 6 |
| 18 | Roles of the disulfide bond between the variable and the constant domains of rabbit immunoglobulin kappa chains in thermal stability and affinity. Protein Engineering, Design and Selection, 2018, 31, 243-247. | 2.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Thermodynamic analyses of amino acid residues at the interface of an antibody B2212A and its antigen roundabout homolog 1. Journal of Biochemistry, 2017, 162, 255-258. | 1.7 | 4 |
| 20 | 64Cu-labeled minibody D2101 visualizes CDH17-positive gastric cancer xenografts with short waiting time. Nuclear Medicine Communications, 2020, Publish Ahead of Print, 688-695. | 1.1 | 3 |
| 21 | Production of IgG1-based bispecific antibody without extra cysteine residue via intein-mediated protein trans-splicing. Scientific Reports, 2021, 11, 19411. | 3.3 | 3 |
| 22 | Structural behavior of keratin-associated protein 8.1 in human hair as revealed by a monoclonal antibody. Journal of Structural Biology, 2018, 204, 207-214. | 2.8 | 2 |
| 23 | 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. Antibody Therapeutics, 2019, 2, 65-69. | 1.9 | 2 |
| 24 | Epitope-dependent thermodynamic signature of single-domain antibodies against hen egg lysozyme. Journal of Biochemistry, 2021, 170, 623-629. | 1.7 | 2 |
| 25 | Intramolecular H-Bonds Govern the Recognition of a Flexible Peptide by an Antibody. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 26 | Development and activities, including immunocomplex formation, of biparatopic antibodies and alternative scaffold proteins. Translational and Regulatory Sciences, 2020, 2, 1-6. | 0.2 | 1 |
| 27 | [P1â€“459]: IMMUNOHISTOLOGICAL ANALYSIS OF AMYLOIDâ€Î² OLIGOMER DEPOSITS IN APP KNOCKâ€IN MICE. Alzheimer's and Dementia, 2017, 13, P462. | 0.8 | 0 |