

# Yasuhiro Abe

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

3,201  
citations

147786

31  
h-index

155644

55  
g-index

112  
all docs

112  
docs citations

112  
times ranked

4511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica and titanium dioxide nanoparticles cause pregnancy complications in mice. <i>Nature Nanotechnology</i> , 2011, 6, 321-328.	31.5	622
2	Amorphous nanosilica induce endocytosis-dependent ROS generation and DNA damage in human keratinocytes. <i>Particle and Fibre Toxicology</i> , 2011, 8, 1.	6.2	229
3	Systemic distribution, nuclear entry and cytotoxicity of amorphous nanosilica following topical application. <i>Biomaterials</i> , 2011, 32, 2713-2724.	11.4	161
4	Carbon Nanotubes Elicit DNA Damage and Inflammatory Response Relative to Their Size and Shape. <i>Inflammation</i> , 2010, 33, 276-280.	3.8	143
5	Interleukin-1 Family Cytokines as Mucosal Vaccine Adjuvants for Induction of Protective Immunity against Influenza Virus. <i>Journal of Virology</i> , 2010, 84, 12703-12712.	3.4	109
6	Atomic Force Microscopic Analysis of the Effect of Lipid Composition on Liposome Membrane Rigidity. <i>Langmuir</i> , 2016, 32, 6074-6082.	3.5	100
7	Creation and X-ray Structure Analysis of the Tumor Necrosis Factor Receptor-1-selective Mutant of a Tumor Necrosis Factor- $\beta$ Antagonist. <i>Journal of Biological Chemistry</i> , 2008, 283, 998-1007.	3.4	89
8	Functionalization of Tumor Necrosis Factor- $\beta$ Using Phage Display Technique and PEGylation Improves Its Antitumor Therapeutic Window. <i>Clinical Cancer Research</i> , 2004, 10, 8293-8300.	7.0	76
9	Amorphous silica nanoparticles size-dependently aggravate atopic dermatitis-like skin lesions following an intradermal injection. <i>Particle and Fibre Toxicology</i> , 2012, 9, 3.	6.2	75
10	Effect of surface properties of silica nanoparticles on their cytotoxicity and cellular distribution in murine macrophages. <i>Nanoscale Research Letters</i> , 2011, 6, 93.	5.7	71
11	Distribution and histologic effects of intravenously administered amorphous nanosilica particles in the testes of mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 297-301.	2.1	68
12	Structure-Function Relationship of Tumor Necrosis Factor (TNF) and Its Receptor Interaction Based on 3D Structural Analysis of a Fully Active TNFR1-Selective TNF Mutant. <i>Journal of Molecular Biology</i> , 2009, 385, 1221-1229.	4.2	65
13	Amorphous nanosilicas induce consumptive coagulopathy after systemic exposure. <i>Nanotechnology</i> , 2012, 23, 045101.	2.6	62
14	Size-dependent cytotoxic effects of amorphous silica nanoparticles on Langerhans cells. <i>Die Pharmazie</i> , 2010, 65, 199-201.	0.5	62
15	Intranasal exposure to amorphous nanosilica particles could activate intrinsic coagulation cascade and platelets in mice. <i>Particle and Fibre Toxicology</i> , 2013, 10, 41.	6.2	61
16	Acute phase proteins as biomarkers for predicting the exposure and toxicity of nanomaterials. <i>Biomaterials</i> , 2011, 32, 3-9.	11.4	54
17	Surface modification of amorphous nanosilica particles suppresses nanosilica-induced cytotoxicity, ROS generation, and DNA damage in various mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 748-752.	2.1	51
18	Optimal site-specific PEGylation of mutant TNF- $\beta$ improves its antitumor potency. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 808-814.	2.1	50

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19	The treatment of established murine collagen-induced arthritis with a TNFR1-selective antagonistic mutant TNF. <i>Biomaterials</i> , 2009, 30, 6638-6647.	11.4	50
20	Promotion of allergic immune responses by intranasally-administrated nanosilica particles in mice. <i>Nanoscale Research Letters</i> , 2011, 6, 195.	5.7	50
21	Identification and evaluation of metastasis-related proteins, oxysterol binding protein-like 5 and calumenin, in lung tumors. <i>International Journal of Oncology</i> , 2015, 47, 195-205.	3.3	50
22	Therapeutic effect of PEGylated TNFR1-selective antagonistic mutant TNF in experimental autoimmune encephalomyelitis mice. <i>Journal of Controlled Release</i> , 2011, 149, 8-14.	9.9	49
23	Liver-specific microRNAs as biomarkers of nanomaterial-induced liver damage. <i>Nanotechnology</i> , 2013, 24, 405102.	2.6	49
24	Intestinal absorption and biological effects of orally administered amorphous silica particles. <i>Nanoscale Research Letters</i> , 2014, 9, 532.	5.7	49
25	The therapeutic effect of TNFR1-selective antagonistic mutant TNF- $\hat{I}\pm$ in murine hepatitis models. <i>Cytokine</i> , 2008, 44, 229-233.	3.2	47
26	Ephrin receptor A10 is a promising drug target potentially useful for breast cancers including triple negative breast cancers. <i>Journal of Controlled Release</i> , 2014, 189, 72-79.	9.9	44
27	Amorphous silica nanoparticles enhance cross-presentation in murine dendritic cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 553-556.	2.1	40
28	Rapid and efficient high-performance liquid chromatography analysis of N-nitrosodimethylamine impurity in valsartan drug substance and its products. <i>Scientific Reports</i> , 2019, 9, 11852.	3.3	36
29	Expression of Eph receptor A10 is correlated with lymph node metastasis and stage progression in breast cancer patients. <i>Cancer Medicine</i> , 2013, 2, 972-977.	2.8	34
30	The use of a mutant TNF- $\hat{I}\pm$ as a vaccine adjuvant for the induction of mucosal immune responses. <i>Biomaterials</i> , 2009, 30, 5869-5876.	11.4	33
31	Creation of Novel Cell-Penetrating Peptides for Intracellular Drug Delivery Using Systematic Phage Display Technology Originated from Tat Transduction Domain. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 218-223.	1.4	32
32	Development of an antibody proteomics system using a phage antibody library for efficient screening of biomarker proteins. <i>Biomaterials</i> , 2011, 32, 162-169.	11.4	31
33	Eph receptor A10 has a potential as a target for a prostate cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 545-549.	2.1	27
34	Quality Enhancement of the Non-immune Phage scFv Library to Isolate Effective Antibodies. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1325-1330.	1.4	25
35	Creation of Novel Protein Transduction Domain (PTD) Mutants by a Phage Display-Based High-Throughput Screening System. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1570-1574.	1.4	25
36	Annexin A4 is a possible biomarker for cisplatin susceptibility of malignant mesothelioma cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 140-144.	2.1	25

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37	Organelle-Targeted Delivery of Biological Macromolecules Using the Protein Transduction Domain: Potential Applications for Peptide Aptamer Delivery into the Nucleus. <i>Journal of Molecular Biology</i> , 2008, 380, 777-782.	4.2	24
38	Temperature-Dependent Formation of $\alpha$ -Nitrosodimethylamine during the Storage of Ranitidine Reagent Powders and Tablets. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 1008-1012.	1.3	22
39	Effect of amorphous silica nanoparticles on in vitro RANKL-induced osteoclast differentiation in murine macrophages. <i>Nanoscale Research Letters</i> , 2011, 6, 464.	5.7	19
40	Aminopeptidase P3 (APP3), a novel member of the TNF/TNFR2 signaling complex, induces phosphorylation of JNK. <i>Journal of Cell Science</i> , 2015, 128, 656-69.	2.0	18
41	Analysis of an Impurity, $\alpha$ -Nitrosodimethylamine, in Valsartan Drug Substances and Associated Products Using GC-MS. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 547-551.	1.4	17
42	TNF superfamily member, TL1A, is a potential mucosal vaccine adjuvant. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 296-300.	2.1	16
43	Observation of liposomes of differing lipid composition in aqueous medium by means of atomic force microscopy. <i>Microscopy (Oxford, England)</i> , 2016, 65, 383-389.	1.5	16
44	Fast Binding Kinetics and Conserved 3D Structure Underlie the Antagonistic Activity of Mutant TNF: Useful Information for Designing Artificial Proteo-Antagonists. <i>Journal of Biochemistry</i> , 2009, 146, 167-172.	1.7	15
45	Fine tuning of receptor-selectivity for tumor necrosis factor- $\alpha$ using a phage display system with one-step competitive panning. <i>Biomaterials</i> , 2011, 32, 5498-5504.	11.4	15
46	Hemopexin as biomarkers for analyzing the biological responses associated with exposure to silica nanoparticles. <i>Nanoscale Research Letters</i> , 2012, 7, 555.	5.7	15
47	Urban Aerosols Induce Pro-inflammatory Cytokine Production in Macrophages and Cause Airway Inflammation in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 780-783.	1.4	14
48	Simple and highly sensitive assay system for TNFR2-mediated soluble- and transmembrane-TNF activity. <i>Journal of Immunological Methods</i> , 2008, 335, 71-78.	1.4	11
49	Potential adjuvant effect of intranasal urban aerosols in mice through induction of dendritic cell maturation. <i>Toxicology Letters</i> , 2010, 199, 383-388.	0.8	10
50	A targeted adenovirus vector displaying a human fibronectin type III domain-based monoclonal antibody in a fiber protein. <i>Biomaterials</i> , 2013, 34, 4191-4201.	11.4	10
51	Size-dependent immune-modulating effect of amorphous nanosilica particles. <i>Die Pharmazie</i> , 2011, 66, 727-8.	0.5	10
52	The augmentation of intracellular delivery of peptide therapeutics by artificial protein transduction domains. <i>Biomaterials</i> , 2009, 30, 3318-3323.	11.4	9
53	Recombinant immunotoxins targeting B-cell maturation antigen are cytotoxic to myeloma cell lines and myeloma cells from patients. <i>Leukemia</i> , 2018, 32, 569-572.	7.2	9
54	Promotion of Optimized Protein Therapy by Bioconjugation as a Polymeric DDS. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2006, 6, 251-258.	1.7	8

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55	Limited expression of reticulocalbin-1 in lymphatic endothelial cells in lung tumor but not in normal lung. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 610-614.	2.1	8
56	Role of amino acid residue 90 in bioactivity and receptor binding capacity of tumor necrosis factor mutants. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1029-1035.	2.3	7
57	Novel protein engineering strategy for creating highly receptor-selective mutant TNFs. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 667-671.	2.1	7
58	Creation of mouse TNFR2-selective agonistic TNF mutants using a phage display technique. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 309-315.	1.3	7
59	A novel method for construction of gene fragment library to searching epitopes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 198-204.	2.1	6
60	Selective Enhancer of Tumor Vascular Permeability for Optimization of Cancer Chemotherapy. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 437-439.	1.4	5
61	Generation of mouse macrophages expressing membrane-bound TNF variants with selectivity for TNFR1 or TNFR2. <i>Cytokine</i> , 2010, 50, 75-83.	3.2	5
62	Anti-inflammatory Effects of a Novel TNFR1-Selective Antagonistic TNF Mutant on Established Murine Collagen-Induced Arthritis. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 493-500.	1.6	5
63	Utilization of Diluted Compendial Media as Dissolution Test Solutions with Low Buffer Capacity for the Investigation of Dissolution Rate of Highly Soluble Immediate Release Drug Products. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 664-670.	1.3	5
64	Relationship Between Geometric and Aerodynamic Particle Size Distributions in the Formulation of Solution and Suspension Metered-Dose Inhalers. <i>AAPS PharmSciTech</i> , 2020, 21, 158.	3.3	3
65	Potential of acute-phase proteins as biomarkers for sub-nano platinum exposure. <i>Die Pharmazie</i> , 2012, 67, 958-9.	0.5	3
66	Arsenic Trioxide Inhibits Human T Cell-Lymphotropic Virus-1-Induced Syncytiums by Down-Regulating gp46. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1286-1288.	1.4	2
67	Evaluation of size-dependent acute toxicity and toxicokinetics of amorphous nanosilicas. <i>Toxicology Letters</i> , 2009, 189, S181-S182.	0.8	1
68	Cell Type-Specific Responses of Peripheral Blood CD14-Positive Monocytes to Liposome-Encapsulated Immunostimulatory siRNA. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1859-1867.	1.4	1
69	Approaches to supply bioequivalent oral solid pharmaceutical formulations through the lifecycles of products: Four-media dissolution monitoring program in Japan. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101378.	3.0	1
70	Identification of New Candidates as Mucosal Vaccine Adjuvant in TNF Family Cytokines. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 299-304.	1.6	1
71	Abstract C119: Anti-EphA10 monoclonal antibody is a potential therapy against EphA10 positive breast cancer.. , 2013, , .		1
72	Effect of Complex Coacervation with Hyaluronic Acid on Protein Transition in a Subcutaneous Injection Site Model System. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 1109-1112.	1.3	1

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73	102 Creation of TNF Receptor1-Selective Mutant TNF Using Phage Display System. <i>Cytokine</i> , 2007, 39, 28.	3.2	0
74	170 Site-specific PEGylation of a Lysine-deficient TNF Superfamily with Full Bioactivity. <i>Cytokine</i> , 2007, 39, 47.	3.2	0
75	164 Relationship between regulatory T-cell infiltration and progression of different tumors assessed by high-density tissue microarray. <i>Cytokine</i> , 2008, 43, 274.	3.2	0
76	277 Mutant TNF elicits Th2-type responses for enhanced mucosal immunity. <i>Cytokine</i> , 2008, 43, 309.	3.2	0
77	Frequent expression of TRAIL-R2 in human breast tumors revealed by antibody proteomics technology. <i>Cytokine</i> , 2009, 48, 54-55.	3.2	0
78	Creation of a mutant IFN- $\lambda$ 8 with enhanced anti-HCV activity using the phage display technique. <i>Cytokine</i> , 2009, 48, 58.	3.2	0
79	Characterization of mucosal and systemic immune responses elicited by interleukin cytokines as mucosal adjuvant against influenza virus. <i>Cytokine</i> , 2009, 48, 109.	3.2	0
80	Evaluation of size-dependent intracellular distribution and genotoxicity of amorphous nanosilicas in human keratinocytes. <i>Toxicology Letters</i> , 2009, 189, S183.	0.8	0
81	Urban aerosol directly stimulates antigen presentation cells in vitro and cause airway inflammation in vivo. <i>Toxicology Letters</i> , 2009, 189, S176-S177.	0.8	0
82	202 Identification and evaluation of novel breast cancer related biomarker proteins by antibody proteomics technology. <i>European Journal of Cancer</i> , Supplement, 2010, 8, 53.	2.2	0
83	SS5-5 Anti-inflammatory effects of a novel TNFR1-selective antagonistic TNF mutant in murine experimental autoimmune encephalomyelitis. <i>Cytokine</i> , 2010, 52, 45.	3.2	0
84	9068 POSTER The Relationship Between Oxysterol Binding Protein Like 5 and Calumenin During Lymph Node Metastasis. <i>European Journal of Cancer</i> , 2011, 47, S612.	2.8	0
85	PS2-054 Biological and structural characterization of human TNFR2-selective TNF mutants. <i>Cytokine</i> , 2011, 56, 78.	3.2	0
86	986 Detection of Drug-target Proteins on Tumor-derived Exosomes by ELISA Using Anti-CD81 Antibodies. <i>European Journal of Cancer</i> , 2012, 48, S238.	2.8	0
87	788: Expression of Annexin A4 regulates cisplatin-susceptibility in malignant mesothelioma. <i>European Journal of Cancer</i> , 2014, 50, S190.	2.8	0
88	Morphological Analysis of Spherical Adsorptive Carbon Granules Using Three-Dimensional X-Ray Micro-computed Tomography. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 179-180.	1.3	0