

# Yasuhiro Abe

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72  
papers

2,583  
citations

28  
h-index

49  
g-index

107  
ext. papers

2,906  
ext. citations

5.3  
avg, IF

3.83  
L-index

#	Paper	IF	Citations
72	Silica and titanium dioxide nanoparticles cause pregnancy complications in mice. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 321-8	28.7	526
71	Amorphous nanosilica induce endocytosis-dependent ROS generation and DNA damage in human keratinocytes. <i>Particle and Fibre Toxicology</i> , <b>2011</b> , 8, 1	8.4	178
70	Systemic distribution, nuclear entry and cytotoxicity of amorphous nanosilica following topical application. <i>Biomaterials</i> , <b>2011</b> , 32, 2713-24	15.6	136
69	Carbon nanotubes elicit DNA damage and inflammatory response relative to their size and shape. <i>Inflammation</i> , <b>2010</b> , 33, 276-80	5.1	126
68	Interleukin-1 family cytokines as mucosal vaccine adjuvants for induction of protective immunity against influenza virus. <i>Journal of Virology</i> , <b>2010</b> , 84, 12703-12	6.6	81
67	Creation and X-ray structure analysis of the tumor necrosis factor receptor-1-selective mutant of a tumor necrosis factor-alpha antagonist. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 998-1007	5.4	74
66	Atomic Force Microscopic Analysis of the Effect of Lipid Composition on Liposome Membrane Rigidity. <i>Langmuir</i> , <b>2016</b> , 32, 6074-82	4	74
65	Functionalization of tumor necrosis factor-alpha using phage display technique and PEGylation improves its antitumor therapeutic window. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 8293-300	12.9	71
64	Amorphous silica nanoparticles size-dependently aggravate atopic dermatitis-like skin lesions following an intradermal injection. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 3	8.4	61
63	Effect of surface properties of silica nanoparticles on their cytotoxicity and cellular distribution in murine macrophages. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 93	5	57
62	Size-dependent cytotoxic effects of amorphous silica nanoparticles on Langerhans cells. <i>Die Pharmazie</i> , <b>2010</b> , 65, 199-201	1.5	55
61	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> , <b>2009</b> , 385, 1221-9	6.5	53
60	Amorphous nanosilicas induce consumptive coagulopathy after systemic exposure. <i>Nanotechnology</i> , <b>2012</b> , 23, 045101	3.4	52
59	Intranasal exposure to amorphous nanosilica particles could activate intrinsic coagulation cascade and platelets in mice. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 41	8.4	48
58	Distribution and histologic effects of intravenously administered amorphous nanosilica particles in the testes of mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 420, 297-301	3.4	47
57	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> , <b>2012</b> , 427, 748-52	3.4	47
56	Optimal site-specific PEGylation of mutant TNF-alpha improves its antitumor potency. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 315, 808-14	3.4	47

55	The treatment of established murine collagen-induced arthritis with a TNFR1-selective antagonistic mutant TNF. <i>Biomaterials</i> , <b>2009</b> , 30, 6638-47	15.6	46
54	Intestinal absorption and biological effects of orally administered amorphous silica particles. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 532	5	42
53	Liver-specific microRNAs as biomarkers of nanomaterial-induced liver damage. <i>Nanotechnology</i> , <b>2013</b> , 24, 405102	3.4	42
52	The therapeutic effect of TNFR1-selective antagonistic mutant TNF-alpha in murine hepatitis models. <i>Cytokine</i> , <b>2008</b> , 44, 229-33	4	42
51	Therapeutic effect of PEGylated TNFR1-selective antagonistic mutant TNF in experimental autoimmune encephalomyelitis mice. <i>Journal of Controlled Release</i> , <b>2011</b> , 149, 8-14	11.7	40
50	Acute phase proteins as biomarkers for predicting the exposure and toxicity of nanomaterials. <i>Biomaterials</i> , <b>2011</b> , 32, 3-9	15.6	40
49	Promotion of allergic immune responses by intranasally-administrated nanosilica particles in mice. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 195	5	40
48	Identification and evaluation of metastasis-related proteins, oxysterol binding protein-like 5 and calumenin, in lung tumors. <i>International Journal of Oncology</i> , <b>2015</b> , 47, 195-203	4.4	36
47	Ephrin receptor A10 is a promising drug target potentially useful for breast cancers including triple negative breast cancers. <i>Journal of Controlled Release</i> , <b>2014</b> , 189, 72-9	11.7	35
46	Amorphous silica nanoparticles enhance cross-presentation in murine dendritic cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 427, 553-6	3.4	31
45	Expression of Eph receptor A10 is correlated with lymph node metastasis and stage progression in breast cancer patients. <i>Cancer Medicine</i> , <b>2013</b> , 2, 972-7	4.8	28
44	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> , <b>2007</b> , 30, 218-23	2.3	28
43	The use of a mutant TNF-alpha as a vaccine adjuvant for the induction of mucosal immune responses. <i>Biomaterials</i> , <b>2009</b> , 30, 5869-76	15.6	26
42	Development of an antibody proteomics system using a phage antibody library for efficient screening of biomarker proteins. <i>Biomaterials</i> , <b>2011</b> , 32, 162-9	15.6	25
41	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> , <b>2008</b> , 380, 777-82	6.5	22
40	Creation of novel Protein Transduction Domain (PTD) mutants by a phage display-based high-throughput screening system. <i>Biological and Pharmaceutical Bulletin</i> , <b>2006</b> , 29, 1570-4	2.3	22
39	Quality enhancement of the non-immune phage scFv library to isolate effective antibodies. <i>Biological and Pharmaceutical Bulletin</i> , <b>2006</b> , 29, 1325-30	2.3	21
38	Annexin A4 is a possible biomarker for cisplatin susceptibility of malignant mesothelioma cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 421, 140-4	3.4	20

37	Eph receptor A10 has a potential as a target for a prostate cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 545-9	3.4	18
36	Rapid and efficient high-performance liquid chromatography analysis of N-nitrosodimethylamine impurity in valsartan drug substance and its products. <i>Scientific Reports</i> , <b>2019</b> , 9, 11852	4.9	15
35	Aminopeptidase P3, a new member of the TNF-TNFR2 signaling complex, induces phosphorylation of JNK1 and JNK2. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 656-69	5.3	15
34	Effect of amorphous silica nanoparticles on in vitro RANKL-induced osteoclast differentiation in murine macrophages. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 464	5	14
33	TNF superfamily member, TL1A, is a potential mucosal vaccine adjuvant. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 384, 296-300	3.4	14
32	Urban aerosols induce pro-inflammatory cytokine production in macrophages and cause airway inflammation in vivo. <i>Biological and Pharmaceutical Bulletin</i> , <b>2010</b> , 33, 780-3	2.3	13
31	Observation of liposomes of differing lipid composition in aqueous medium by means of atomic force microscopy. <i>Microscopy (Oxford, England)</i> , <b>2016</b> , 65, 383-9	1.3	12
30	Hemopexin as biomarkers for analyzing the biological responses associated with exposure to silica nanoparticles. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 555	5	11
29	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> , <b>2009</b> , 146, 167-72 <sup>3.1</sup>		11
28	A targeted adenovirus vector displaying a human fibronectin type III domain-based monobody in a fiber protein. <i>Biomaterials</i> , <b>2013</b> , 34, 4191-4201	15.6	10
27	Potential adjuvant effect of intranasal urban aerosols in mice through induction of dendritic cell maturation. <i>Toxicology Letters</i> , <b>2010</b> , 199, 383-8	4.4	10
26	Fine tuning of receptor-selectivity for tumor necrosis factor- $\alpha$ using a phage display system with one-step competitive panning. <i>Biomaterials</i> , <b>2011</b> , 32, 5498-504	15.6	10
25	Analysis of an Impurity, N-Nitrosodimethylamine, in Valsartan Drug Substances and Associated Products Using GC-MS. <i>Biological and Pharmaceutical Bulletin</i> , <b>2019</b> , 42, 547-551	2.3	9
24	Simple and highly sensitive assay system for TNFR2-mediated soluble- and transmembrane-TNF activity. <i>Journal of Immunological Methods</i> , <b>2008</b> , 335, 71-8	2.5	9
23	Temperature-Dependent Formation of N-Nitrosodimethylamine during the Storage of Ranitidine Reagent Powders and Tablets. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2020</b> , 68, 1008-1012	1.9	9
22	Promotion of optimized protein therapy by bioconjugation as a polymeric DDS. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2006</b> , 6, 251-8	2.2	8
21	The augmentation of intracellular delivery of peptide therapeutics by artificial protein transduction domains. <i>Biomaterials</i> , <b>2009</b> , 30, 3318-23	15.6	7
20	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> , <b>2007</b> , 1774, 1029-35	4	7

19	Size-dependent immune-modulating effect of amorphous nanosilica particles. <i>Die Pharmazie</i> , <b>2011</b> , 66, 727-8	1.5	7
18	Limited expression of reticulocalbin-1 in lymphatic endothelial cells in lung tumor but not in normal lung. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 405, 610-4	3.4	6
17	A novel method for construction of gene fragment library to searching epitopes. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 346, 198-204	3.4	6
16	Recombinant immunotoxins targeting B-cell maturation antigen are cytotoxic to myeloma cell lines and myeloma cells from patients. <i>Leukemia</i> , <b>2018</b> , 32, 569-572	10.7	6
15	Generation of mouse macrophages expressing membrane-bound TNF variants with selectivity for TNFR1 or TNFR2. <i>Cytokine</i> , <b>2010</b> , 50, 75-83	4	5
14	Novel protein engineering strategy for creating highly receptor-selective mutant TNFs. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 388, 667-71	3.4	5
13	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> , <b>2011</b> , 691, 493-500	3.6	5
12	Creation of mouse TNFR2-selective agonistic TNF mutants using a phage display technique. <i>Biochemistry and Biophysics Reports</i> , <b>2016</b> , 7, 309-315	2.2	4
11	Selective enhancer of tumor vascular permeability for optimization of cancer chemotherapy. <i>Biological and Pharmaceutical Bulletin</i> , <b>2004</b> , 27, 437-9	2.3	3
10	Potential of acute-phase proteins as biomarkers for sub-nano platinum exposure. <i>Die Pharmazie</i> , <b>2012</b> , 67, 958-9	1.5	2
9	Cell Type-Specific Responses of Peripheral Blood CD14-Positive Monocytes to Liposome-Encapsulated Immunostimulatory siRNA. <i>Biological and Pharmaceutical Bulletin</i> , <b>2016</b> , 39, 1859-1867 <sup>1</sup>	3.3	1
8	Arsenic trioxide inhibits human t cell-lymphotropic virus-1-induced syncytiums by down-regulating gp46. <i>Biological and Pharmaceutical Bulletin</i> , <b>2009</b> , 32, 1286-8	2.3	1
7	Effect of Complex Coacervation with Hyaluronic Acid on Protein Transition in a Subcutaneous Injection Site Model System. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2020</b> , 68, 1109-1112	1.9	1
6	Identification of new candidates as mucosal vaccine adjuvant in TNF family cytokines. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 691, 299-304	3.6	1
5	Relationship Between Geometric and Aerodynamic Particle Size Distributions in the Formulation of Solution and Suspension Metered-Dose Inhalers. <i>AAPS PharmSciTech</i> , <b>2020</b> , 21, 158	3.9	0
4	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> , <b>2020</b> , 68, 664-670	1.9	0
3	Morphological Analysis of Spherical Adsorptive Carbon Granules Using Three-Dimensional X-Ray Micro-computed Tomography. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2020</b> , 68, 179-180	1.9	
2	Frequent expression of TRAIL-R2 in human breast tumors revealed by antibody proteomics technology. <i>Cytokine</i> , <b>2009</b> , 48, 54-55	4	

- 1 Approaches to supply bioequivalent oral solid pharmaceutical formulations through the lifecycles of products: Four-media dissolution monitoring program in Japan. *Journal of Drug Delivery Science and Technology*, **2020**, 56, 101378

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