

# Shin-ichi Tsunoda

## List of Publications by Year in descending order

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111  
papers

4,743  
citations

81900

39  
h-index

102487

66  
g-index

123  
all docs

123  
docs citations

123  
times ranked

6452  
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  | Silica nanoparticles as hepatotoxicants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 496-501.   | 4.3  | 209       |
| 4  | The use of PVP as a polymeric carrier to improve the plasma half-life of drugs. <i>Biomaterials</i> , 2004, 25, 3259-3266.  | 11.4 | 175       |
| 5  | Solution of the Structure of the TNF-TNFR2 Complex. <i>Science Signaling</i> , 2010, 3, ra83.   | 3.6  | 171       |
| 6  | Systemic distribution, nuclear entry and cytotoxicity of amorphous nanosilica following topical application. <i>Biomaterials</i> , 2011, 32, 2713-2724.   | 11.4 | 161       |
| 7  | Carbon Nanotubes Elicit DNA Damage and Inflammatory Response Relative to Their Size and Shape. <i>Inflammation</i> , 2010, 33, 276-280.   | 3.8  | 143       |
| 8  | The effect of surface modification of amorphous silica particles on NLRP3 inflammasome mediated IL-1 $\beta$ production, ROS production and endosomal rupture. <i>Biomaterials</i> , 2010, 31, 6833-6842.   | 11.4 | 136       |
| 9  | 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       |
| 10 | 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> , 2008, 283, 998-1007.   | 3.4  | 89        |
| 11 | Titanium dioxide induces different levels of IL-1 $\beta$ production dependent on its particle characteristics through caspase-1 activation mediated by reactive oxygen species and cathepsin B. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 160-165. | 2.1  | 83        |
| 12 | Histological analysis of 70-nm silica particles-induced chronic toxicity in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 626-629.  | 4.3  | 80        |
| 13 | 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        |
| 14 | Domain mapping of a claudin-4 modulator, the C-terminal region of C-terminal fragment of <i>Clostridium perfringens</i> enterotoxin, by site-directed mutagenesis. <i>Biochemical Pharmacology</i> , 2008, 75, 1639-1648.   | 4.4  | 73        |
| 15 | A Novel Tumor-Targeted Therapy Using a Claudin-4-Targeting Molecule. <i>Molecular Pharmacology</i> , 2009, 76, 918-926.   | 2.3  | 71        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | Carbon Nanomaterials: Efficacy and Safety for Nanomedicine. <i>Materials</i> , 2012, 5, 350-363.   | 2.9  | 65        |
| 20 | Design of a pH-Sensitive Polymeric Carrier for Drug Release and Its Application in Cancer Therapy. <i>Clinical Cancer Research</i> , 2004, 10, 2545-2550.  | 7.0  | 64        |
| 21 | Amorphous nanosilicas induce consumptive coagulopathy after systemic exposure. <i>Nanotechnology</i> , 2012, 23, 045101.   | 2.6  | 62        |
| 22 | 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        |
| 23 | The targeting of anionized polyvinylpyrrolidone to the renal system. <i>Biomaterials</i> , 2004, 25, 4309-4315.  | 11.4 | 58        |
| 24 | Acute phase proteins as biomarkers for predicting the exposure and toxicity of nanomaterials. <i>Biomaterials</i> , 2011, 32, 3-9.   | 11.4 | 54        |
| 25 | 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        |
| 26 | 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        |
| 27 | Promotion of allergic immune responses by intranasally-administrated nanosilica particles in mice. <i>Nanoscale Research Letters</i> , 2011, 6, 195.   | 5.7  | 50        |
| 28 | 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        |
| 29 | 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        |
| 30 | Suppression of nanosilica particle-induced inflammation by surface modification of the particles. <i>Archives of Toxicology</i> , 2012, 86, 1297-1307.   | 4.2  | 49        |
| 31 | Liver-specific microRNAs as biomarkers of nanomaterial-induced liver damage. <i>Nanotechnology</i> , 2013, 24, 405102.   | 2.6  | 49        |
| 32 | Intestinal absorption and biological effects of orally administered amorphous silica particles. <i>Nanoscale Research Letters</i> , 2014, 9, 532.  | 5.7  | 49        |
| 33 | The therapeutic effect of TNFR1-selective antagonistic mutant TNF- $\hat{1}\pm$ in murine hepatitis models. <i>Cytokine</i> , 2008, 44, 229-233.   | 3.2  | 47        |
| 34 | Protein corona changes mediated by surface modification of amorphous silica nanoparticles suppress acute toxicity and activation of intrinsic coagulation cascade in mice. <i>Nanotechnology</i> , 2015, 26, 245101.                                 | 2.6  | 47        |
| 35 | Bioconjugation of Laminin Peptide YIGSR with Poly(Styrene Co-maleic Acid) Increases Its Antimetastatic Effect on Lung Metastasis of B16-BL6 Melanoma Cells. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 75-79.           | 2.1  | 45        |
| 36 | Improved cytosolic translocation and tumor-killing activity of Tat-shepherdin conjugates mediated by co-treatment with Tat-fused endosome-disruptive HA2 peptide. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 1027-1032. | 2.1  | 45        |

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|----|---|------|-----------|
| 37 | Role of tyrosine residues in modulation of claudin-4 by the C-terminal fragment of Clostridium perfringens enterotoxin. Biochemical Pharmacology, 2007, 73, 206-214.  | 4.4  | 45        |
| 38 | Ephrin receptor A10 is a promising drug target potentially useful for breast cancers including triple negative breast cancers. Journal of Controlled Release, 2014, 189, 72-79.   | 9.9  | 44        |
| 39 | Amorphous silica nanoparticles enhance cross-presentation in murine dendritic cells. Biochemical and Biophysical Research Communications, 2012, 427, 553-556.   | 2.1  | 40        |
| 40 | A Novel Bispecific Antibody against Human CD3 and Ephrin Receptor A10 for Breast Cancer Therapy. PLoS ONE, 2015, 10, e0144712.  | 2.5  | 39        |
| 41 | Proteomic analysis of the hippocampus in Alzheimer's disease model mice by using two-dimensional fluorescence difference in gel electrophoresis. Neuroscience Letters, 2013, 534, 85-89.  | 2.1  | 38        |
| 42 | Molecular Design of Conjugated Tumor Necrosis Factor- $\alpha$ : Synthesis and Characteristics of Polyvinyl Pyrrolidone Modified Tumor Necrosis Factor- $\alpha$ . Biochemical and Biophysical Research Communications, 1999, 257, 448-453. | 2.1  | 34        |
| 43 | Expression of Eph receptor A10 is correlated with lymph node metastasis and stage progression in breast cancer patients. Cancer Medicine, 2013, 2, 972-977.   | 2.8  | 34        |
| 44 | Role of Tyr306 in the C-terminal fragment of Clostridium perfringens enterotoxin for modulation of tight junction. Biochemical Pharmacology, 2007, 73, 824-830.   | 4.4  | 33        |
| 45 | The use of a mutant TNF- $\alpha$ as a vaccine adjuvant for the induction of mucosal immune responses. Biomaterials, 2009, 30, 5869-5876.   | 11.4 | 33        |
| 46 | Creation of Novel Cell-Penetrating Peptides for Intracellular Drug Delivery Using Systematic Phage Display Technology Originated from Tat Transduction Domain. Biological and Pharmaceutical Bulletin, 2007, 30, 218-223.                   | 1.4  | 32        |
| 47 | Development of an antibody proteomics system using a phage antibody library for efficient screening of biomarker proteins. Biomaterials, 2011, 32, 162-169.   | 11.4 | 31        |
| 48 | Robo4 is an effective tumor endothelial marker for antibody-drug conjugates based on the rapid isolation of the anti-Robo4 cell-internalizing antibody. Blood, 2013, 121, 2804-2813.  | 1.4  | 30        |
| 49 | Eph receptor A10 has a potential as a target for a prostate cancer therapy. Biochemical and Biophysical Research Communications, 2014, 450, 545-549.  | 2.1  | 27        |
| 50 | Quality Enhancement of the Non-immune Phage scFv Library to Isolate Effective Antibodies. Biological and Pharmaceutical Bulletin, 2006, 29, 1325-1330.  | 1.4  | 25        |
| 51 | Creation of Novel Protein Transduction Domain (PTD) Mutants by a Phage Display-Based High-Throughput Screening System. Biological and Pharmaceutical Bulletin, 2006, 29, 1570-1574.   | 1.4  | 25        |
| 52 | Annexin A4 is a possible biomarker for cisplatin susceptibility of malignant mesothelioma cells. Biochemical and Biophysical Research Communications, 2012, 421, 140-144.   | 2.1  | 25        |
| 53 | Effective Cancer Targeting Using an Anti-tumor Tissue Vascular Endothelium-specific Monoclonal Antibody (TES-23). Japanese Journal of Cancer Research, 2000, 91, 1319-1325.   | 1.7  | 24        |
| 54 | Organelle-Targeted Delivery of Biological Macromolecules Using the Protein Transduction Domain: Potential Applications for Peptide Aptamer Delivery into the Nucleus. Journal of Molecular Biology, 2008, 380, 777-782.                     | 4.2  | 24        |

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|----|---|------|-----------|
| 55 | Evaluation of silica nanoparticle binding to major human blood proteins. <i>Nanoscale Research Letters</i> , 2014, 9, 2493.   | 5.7  | 24        |
| 56 | A gapmer antisense oligonucleotide targeting SRRM4 is a novel therapeutic medicine for lung cancer. <i>Scientific Reports</i> , 2019, 9, 7618.  | 3.3  | 24        |
| 57 | Cutaneous exposure to agglomerates of silica nanoparticles and allergen results in IgE-biased immune response and increased sensitivity to anaphylaxis in mice. <i>Particle and Fibre Toxicology</i> , 2015, 12, 16.                            | 6.2  | 22        |
| 58 | Polyethylene glycol modification of interleukin-6 enhances its thrombopoietic activity. <i>Journal of Controlled Release</i> , 1995, 33, 447-451.   | 9.9  | 19        |
| 59 | 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        |
| 60 | 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        |
| 61 | Neutrophil Depletion Exacerbates Pregnancy Complications, Including Placental Damage, Induced by Silica Nanoparticles in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1850.  | 4.8  | 17        |
| 62 | In Vitro Remodeling of Tumor Vascular Endothelial Cells Using Conditioned Medium from Various Tumor Cells and Their Sensitivity to TNF- $\alpha$ . <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 809-813.             | 2.1  | 16        |
| 63 | TNF superfamily member, TL1A, is a potential mucosal vaccine adjuvant. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 296-300.   | 2.1  | 16        |
| 64 | Generation and characterization of a bispecific diabody targeting both EPH receptor A10 and CD3. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 908-912.   | 2.1  | 16        |
| 65 | 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        |
| 66 | 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        |
| 67 | 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        |
| 68 | Asian Dust Particles Induce Macrophage Inflammatory Responses via Mitogen-Activated Protein Kinase Activation and Reactive Oxygen Species Production. <i>Journal of Immunology Research</i> , 2014, 2014, 1-9.                                  | 2.2  | 15        |
| 69 | Identifying a size-specific hazard of silica nanoparticles after intravenous administration and its relationship to the other hazards that have negative correlations with the particle size in mice. <i>Nanotechnology</i> , 2017, 28, 135101. | 2.6  | 15        |
| 70 | Antibody-Based Therapy Targeting Tumor Vascular Endothelial Cells Suppresses Solid Tumor Growth in Rats. <i>Biochemical and Biophysical Research Communications</i> , 1997, 236, 493-496.   | 2.1  | 14        |
| 71 | Size and surface modification of amorphous silica particles determine their effects on the activity of human CYP3A4 in vitro. <i>Nanoscale Research Letters</i> , 2014, 9, 651.   | 5.7  | 14        |
| 72 | A trimeric structural fusion of an antagonistic tumor necrosis factor- $\alpha$ mutant enhances molecular stability and enables facile modification. <i>Journal of Biological Chemistry</i> , 2017, 292, 6438-6451.                             | 3.4  | 14        |

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|----|---|------|-----------|
| 73 | Creation of a LIGHT mutant with the capacity to evade the decoy receptor for cancer therapy. <i>Biomaterials</i> , 2010, 31, 3357-3363.   | 11.4 | 13        |
| 74 | Intravenous Administration of Polyethylene Glycol-modified Tumor Necrosis Factor- $\beta$ Completely Regressed Solid Tumor in Meth-A Murine Sarcoma Model. <i>Japanese Journal of Cancer Research</i> , 1994, 85, 1185-1188.                      | 1.7  | 12        |
| 75 | Bioconjugation of Tumor Necrosis Factor- $\beta$ with the Copolymer of Divinyl Ether and Maleic Anhydride Increasing Its Antitumor Potency. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 160-165.                      | 2.1  | 12        |
| 76 | Identification of tumor vascular antigens by monoclonal antibodies prepared from rat-tumor-derived endothelial cells. , 1998, 77, 561-566.  |      | 12        |
| 77 | Effective accumulation of poly(vinylpyrrolidone-co-vinyl laurate) into the spleen. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70A, 219-223.   | 3.1  | 12        |
| 78 | Creation of lysine-deficient mutant lymphotoxin- $\beta$ with receptor selectivity by using a phage display system. <i>Biomaterials</i> , 2010, 31, 1935-1943.  | 11.4 | 12        |
| 79 | Characterization of a TNFR2-Selective Agonistic TNF- $\beta$ Mutant and Its Derivatives as an Optimal Regulatory T Cell Expander. <i>Journal of Immunology</i> , 2021, 206, 1740-1751.  | 0.8  | 12        |
| 80 | Tumor Vascular Targeting Using a Tumor-Tissue Endothelium-Specific Monoclonal Antibody as an Effective Strategy for Cancer Chemotherapy. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 346-350.                         | 2.1  | 11        |
| 81 | 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        |
| 82 | Crystallization and preliminary X-ray analysis of the tumour necrosis factor $\beta$ - $\alpha$ 1-tumour necrosis factor receptor type 2 complex. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 295-298. | 0.7  | 10        |
| 83 | Creation of a lysine-deficient LIGHT mutant with the capacity for site-specific PEGylation and low affinity for a decoy receptor. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 888-893.                                | 2.1  | 10        |
| 84 | The augmentation of intracellular delivery of peptide therapeutics by artificial protein transduction domains. <i>Biomaterials</i> , 2009, 30, 3318-3323.   | 11.4 | 9         |
| 85 | LIGHT protein suppresses tumor growth by augmentation of immune response. <i>Immunology Letters</i> , 2009, 127, 33-38.   | 2.5  | 9         |
| 86 | Development of a novel DDS for site-specific PEGylated proteins. <i>Chemistry Central Journal</i> , 2011, 5, 25.  | 2.6  | 9         |
| 87 | Suppression of solid tumor growth by a monoclonal antibody against tumor vasculature in rats: Involvement of intravascular thrombosis and fibrinogenesis. , 1999, 82, 853-859.  |      | 8         |
| 88 | 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         |
| 89 | 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         |
| 90 | 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         |

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|-----|--|-----|-----------|
| 91  | Novel protein engineering strategy for creating highly receptor-selective mutant TNFs. Biochemical and Biophysical Research Communications, 2009, 388, 667-671.  | 2.1 | 7         |
| 92  | Creation of mouse TNFR2-selective agonistic TNF mutants using a phage display technique. Biochemistry and Biophysics Reports, 2016, 7, 309-315.  | 1.3 | 7         |
| 93  | Modifying the Surface of Silica Nanoparticles with Amino or Carboxyl Groups Decreases Their Cytotoxicity to Parenchymal Hepatocytes. Biological and Pharmaceutical Bulletin, 2017, 40, 726-728.                                  | 1.4 | 7         |
| 94  | Structural optimization of a TNFR1-selective antagonistic TNF $\hat{\pm}$ mutant to create new-modality TNF-regulating biologics. Journal of Biological Chemistry, 2020, 295, 9379-9391.   | 3.4 | 7         |
| 95  | Selective Enhancer of Tumor Vascular Permeability for Optimization of Cancer Chemotherapy. Biological and Pharmaceutical Bulletin, 2004, 27, 437-439.  | 1.4 | 5         |
| 96  | Generation of mouse macrophages expressing membrane-bound TNF variants with selectivity for TNFR1 or TNFR2. Cytokine, 2010, 50, 75-83.   | 3.2 | 5         |
| 97  | Anti-inflammatory Effects of a Novel TNFR1-Selective Antagonistic TNF Mutant on Established Murine Collagen-Induced Arthritis. Advances in Experimental Medicine and Biology, 2011, 691, 493-500.                                | 1.6 | 5         |
| 98  | Ligand-independent assembly of purified soluble magic roundabout (Robo4), a tumor-specific endothelial marker. Protein Expression and Purification, 2008, 61, 78-82.   | 1.3 | 4         |
| 99  | Modifying the antigen-immunization schedule improves the variety of monoclonal antibodies obtained from immune-phage antibody libraries against HIV-1 Nef and Vif. Journal of Bioscience and Bioengineering, 2011, 111, 597-599. | 2.2 | 4         |
| 100 | Mutants of lymphotoxin- $\hat{\pm}$ with augmented cytotoxic activity via TNFR1 for use in cancer therapy. Cytokine, 2013, 61, 578-584.  | 3.2 | 4         |
| 101 | The Absorption, Distribution, Metabolism, and Excretion Profile of Nanoparticles. Nanomedicine and Nanotoxicology, 2014, , 259-271.  | 0.2 | 4         |
| 102 | Lysine-deficient lymphotoxin- $\hat{\pm}$ mutant for site-specific PEGylation. Cytokine, 2011, 56, 489-493.  | 3.2 | 3         |
| 103 | Arsenic Trioxide Inhibits Human T Cell-Lymphotropic Virus-1-Induced Syncytiums by Down-Regulating gp46. Biological and Pharmaceutical Bulletin, 2009, 32, 1286-1288.   | 1.4 | 2         |
| 104 | Comparison of the anti-tumor activity of native, secreted, and membrane-bound LIGHT in mouse tumor models. International Immunopharmacology, 2010, 10, 26-33.  | 3.8 | 2         |
| 105 | Structure-activity relationship of T-cell receptors based on alanine scanning. Biochemical and Biophysical Research Communications, 2011, 415, 558-562.  | 2.1 | 2         |
| 106 | Characterization of PEG-IL-6 and its thrombopoietic activity in vivo.. Drug Delivery System, 1995, 10, 175-180.  | 0.0 | 2         |
| 107 | Cell array coupled with laser scanning cytometry allows easy analysis of changes in cyclin expression during the cell cycle. An application of cell array system. Cytotechnology, 2002, 24, 41-47.                               | 0.7 | 1         |
| 108 | Identification of New Candidates as Mucosal Vaccine Adjuvant in TNF Family Cytokines. Advances in Experimental Medicine and Biology, 2011, 691, 299-304.   | 1.6 | 1         |

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|-----|---|-----|-----------|
| 109 | Development of functional cytokines as novel mucosal vaccine adjuvants. Drug Delivery System, 2010, 25, 22-28.                          | 0.0 | 1         |
| 110 | 3P-081 Creation of TNFR1-selective mutant lymphotoxin alpha using phage display system(The 46th Tj ETQq0 0 0 rgBT /Overclock 10 Tf      | 0.1 | 0         |
| 111 | Development of functional cytokine mutants bymolecular evolution and drug delivery technology. Drug Delivery System, 2011, 26, 604-610. | 0.0 | 0         |