

# Yoji Shimizu

## 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.

81  
papers

6,468  
citations

39  
h-index

80  
g-index

104  
ext. papers

6,941  
ext. citations

9.8  
avg, IF

5.29  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 81 | Lymphocyte interactions with endothelial cells. <i>Trends in Immunology</i> , <b>1992</b> , 13, 106-12   |      | 607       |
| 80 | Regulated expression and binding of three VLA (beta 1) integrin receptors on T cells. <i>Nature</i> , <b>1990</b> , 345, 250-3   | 50.4 | 590       |
| 79 | Activation-independent binding of human memory T cells to adhesion molecule ELAM-1. <i>Nature</i> , <b>1991</b> , 349, 799-802   | 50.4 | 347       |
| 78 | Roles of adhesion molecules in T-cell recognition: fundamental similarities between four integrins on resting human T cells (LFA-1, VLA-4, VLA-5, VLA-6) in expression, binding, and costimulation. <i>Immunological Reviews</i> , <b>1990</b> , 114, 109-43 | 11.3 | 292       |
| 77 | Lymphocyte interactions with extracellular matrix. <i>FASEB Journal</i> , <b>1991</b> , 5, 2292-9  | 0.9  | 282       |
| 76 | Coupling of the TCR to integrin activation by Slap-130/Fyb. <i>Science</i> , <b>2001</b> , 293, 2263-5   | 33.3 | 278       |
| 75 | Formins regulate the actin-related protein 2/3 complex-independent polarization of the centrosome to the immunological synapse. <i>Immunity</i> , <b>2007</b> , 26, 177-90   | 32.3 | 216       |
| 74 | Quantitative measurement of nuclear translocation events using similarity analysis of multispectral cellular images obtained in flow. <i>Journal of Immunological Methods</i> , <b>2006</b> , 311, 117-29  | 2.5  | 196       |
| 73 | The WAVE2 complex regulates actin cytoskeletal reorganization and CRAC-mediated calcium entry during T cell activation. <i>Current Biology</i> , <b>2006</b> , 16, 24-34   | 6.3  | 194       |
| 72 | Integrins and T cell-mediated immunity. <i>Annual Review of Immunology</i> , <b>2004</b> , 22, 157-80  | 34.7 | 189       |
| 71 | Actin specifically controls cell growth, migration, and the G-actin pool. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 4047-58   | 3.5  | 174       |
| 70 | Roles of multiple accessory molecules in T-cell activation. <i>Current Opinion in Immunology</i> , <b>1991</b> , 3, 294-303  | 38   | 146       |
| 69 | Regulation of the PH-domain-containing tyrosine kinase Etk by focal adhesion kinase through the FERM domain. <i>Nature Cell Biology</i> , <b>2001</b> , 3, 439-44  | 23.4 | 130       |
| 68 | Demonstration by class I gene transfer that reduced susceptibility of human cells to natural killer cell-mediated lysis is inversely correlated with HLA class I antigen expression. <i>European Journal of Immunology</i> , <b>1989</b> , 19, 447-51        | 6.1  | 116       |
| 67 | T-cell receptor signaling to integrins. <i>Immunological Reviews</i> , <b>2007</b> , 218, 65-81  | 11.3 | 112       |
| 66 | Hyporesponsiveness of "naive" (CD45RA+) human T cells to multiple receptor-mediated stimuli but augmentation of responses by co-stimuli. <i>European Journal of Immunology</i> , <b>1990</b> , 20, 1111-8  | 6.1  | 104       |
| 65 | Regulating integrin-mediated adhesion: one more function for PI 3-kinase?. <i>Trends in Immunology</i> , <b>1996</b> , 17, 565-73  |      | 100       |

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|----|---|------|-----|
| 64 | Integrin function in T-cell homing to lymphoid and nonlymphoid sites: getting there and staying there. <i>Critical Reviews in Immunology</i> , <b>2009</b> , 29, 87-109   | 1.8  | 100 |
| 63 | A novel function for the Tec family tyrosine kinase Itk in activation of beta 1 integrins by the T-cell receptor. <i>EMBO Journal</i> , <b>2001</b> , 20, 1232-44   | 13   | 91  |
| 62 | Cutting edge: T cell migration regulated by CXCR4 chemokine receptor signaling to ZAP-70 tyrosine kinase. <i>Journal of Immunology</i> , <b>2001</b> , 167, 1857-61   | 5.3  | 90  |
| 61 | Integrins in the immune system. <i>Advances in Immunology</i> , <b>1999</b> , 72, 325-80  | 5.6  | 89  |
| 60 | WAVE2 regulates high-affinity integrin binding by recruiting vinculin and talin to the immunological synapse. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 5986-6000   | 4.8  | 87  |
| 59 | Remote T cell co-stimulation via LFA-1/ICAM-1 and CD2/LFA-3: demonstration with immobilized ligand/mAb and implication in monocyte-mediated co-stimulation. <i>European Journal of Immunology</i> , <b>1991</b> , 21, 1711-8                        | 6.1  | 86  |
| 58 | The WAVE2 complex regulates T cell receptor signaling to integrins via Abl- and CrkL-C3G-mediated activation of Rap1. <i>Journal of Cell Biology</i> , <b>2008</b> , 182, 1231-44   | 7.3  | 85  |
| 57 | Regulation of NF-kappaB activation in T cells via association of the adapter proteins ADAP and CARMA1. <i>Science</i> , <b>2007</b> , 316, 754-8  | 33.3 | 81  |
| 56 | Stimulation of beta1-integrin function by epidermal growth factor and heregulin-beta has distinct requirements for erbB2 but a similar dependence on phosphoinositide 3-OH kinase. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 2861-78 | 3.5  | 81  |
| 55 | Protein kinase D1 and the beta 1 integrin cytoplasmic domain control beta 1 integrin function via regulation of Rap1 activation. <i>Immunity</i> , <b>2005</b> , 23, 213-26   | 32.3 | 75  |
| 54 | Cutting edge: a novel function for the SLAP-130/FYB adapter protein in beta 1 integrin signaling and T lymphocyte migration. <i>Journal of Immunology</i> , <b>2000</b> , 164, 1143-7   | 5.3  | 69  |
| 53 | Resting Afferent Renal Nerve Discharge and Renal Inflammation: Elucidating the Role of Afferent and Efferent Renal Nerves in Deoxycorticosterone Acetate Salt Hypertension. <i>Hypertension</i> , <b>2016</b> , 68, 1415-1423                       | 8.5  | 66  |
| 52 | Selective regulation of CD8 effector T cell migration by the p110 gamma isoform of phosphatidylinositol 3-kinase. <i>Journal of Immunology</i> , <b>2008</b> , 180, 2081-8  | 5.3  | 60  |
| 51 | Control of alpha4beta7 integrin expression and CD4 T cell homing by the beta1 integrin subunit. <i>Journal of Immunology</i> , <b>2010</b> , 184, 2458-67   | 5.3  | 59  |
| 50 | Organization of the human class I major histocompatibility complex genes. <i>Immunologic Research</i> , <b>1987</b> , 6, 1-10   | 4.3  | 58  |
| 49 | MHC class II deprivation impairs CD4 T cell motility and responsiveness to antigen-bearing dendritic cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7181-6              | 11.5 | 57  |
| 48 | Regulation of beta 1-integrin-mediated cell adhesion by the Cbl adaptor protein. <i>Current Biology</i> , <b>1998</b> , 8, 814-22   | 6.3  | 55  |
| 47 | Identification of a proline-rich sequence in the CD2 cytoplasmic domain critical for regulation of integrin-mediated adhesion and activation of phosphoinositide 3-kinase. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 5291-307       | 4.8  | 42  |

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|----|---|------|----|
| 46 | Tec kinases regulate TCR-mediated recruitment of signaling molecules and integrin-dependent cell adhesion. <i>Journal of Immunology</i> , <b>2005</b> , 175, 5923-30  | 5.3  | 41 |
| 45 | The p110gamma isoform of phosphatidylinositol 3-kinase regulates migration of effector CD4 T lymphocytes into peripheral inflammatory sites. <i>Journal of Leukocyte Biology</i> , <b>2008</b> , 84, 814-23   | 6.5  | 40 |
| 44 | ICAM-1-dependent homotypic aggregates regulate CD8 T cell effector function and differentiation during T cell activation. <i>Journal of Immunology</i> , <b>2013</b> , 191, 3681-93   | 5.3  | 39 |
| 43 | Control of TCR-mediated activation of beta 1 integrins by the ZAP-70 tyrosine kinase interdomain B region and the linker for activation of T cells adapter protein. <i>Journal of Immunology</i> , <b>2004</b> , 172, 5379-87                           | 5.3  | 39 |
| 42 | Use of a $\beta$ 1 Integrin-deficient Human T Cell to Identify $\beta$ 1 Integrin Cytoplasmic Domain Sequences Critical for Integrin Function. <i>Molecular Biology of the Cell</i> , <b>1998</b> , 9, 2715-2727  | 3.5  | 38 |
| 41 | Regulation of beta 1 integrin-mediated adhesion by T cell receptor signaling involves ZAP-70 but differs from signaling events that regulate transcriptional activity. <i>Journal of Immunology</i> , <b>2000</b> , 165, 4941-9                         | 5.3  | 36 |
| 40 | Engineering T cell response to cancer antigens by choice of focal therapeutic conditions. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 130-138  | 3.7  | 35 |
| 39 | Matrix metalloproteinase-1 produced by human CXCL12-stimulated natural killer cells. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 445-58   | 5.8  | 35 |
| 38 | Histamine and cis-urocanic acid augment tumor necrosis factor-alpha mediated induction of keratinocyte intercellular adhesion molecule-1 expression. <i>Journal of Cellular Physiology</i> , <b>1993</b> , 156, 348-57                                  | 7.57 | 32 |
| 37 | Adhesion and degranulation-promoting adapter protein (ADAP) positively regulates T cell sensitivity to antigen and T cell survival. <i>Journal of Immunology</i> , <b>2007</b> , 179, 3559-69   | 5.3  | 31 |
| 36 | Activation-dependent changes in soluble fibronectin binding and expression of beta1 integrin activation epitopes in T cells: relationship to T cell adhesion and migration. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 38-49             | 6.1  | 31 |
| 35 | NF-kappaB activation in T cells requires discrete control of IkappaB kinase alpha/beta (IKKalpha/beta) phosphorylation and IKKgammabeta ubiquitination by the ADAP adapter protein. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 11100-5 | 5.4  | 29 |
| 34 | CD28/B7 Deficiency Attenuates Systolic Overload-Induced Congestive Heart Failure, Myocardial and Pulmonary Inflammation, and Activated T Cell Accumulation in the Heart and Lungs. <i>Hypertension</i> , <b>2016</b> , 68, 688-96                       | 8.5  | 28 |
| 33 | Cutting edge: LFA-1 integrin-dependent T cell adhesion is regulated by both ag specificity and sensitivity. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2222-6  | 5.3  | 27 |
| 32 | Costimulation of superantigen-activated T lymphocytes by autologous dendritic cells is dependent on B7. <i>Cellular Immunology</i> , <b>1994</b> , 156, 220-9   | 4.4  | 27 |
| 31 | Activated keratinocytes present bacterial-derived superantigens to T lymphocytes: relevance to psoriasis. <i>Journal of Dermatological Science</i> , <b>1993</b> , 6, 127-33  | 4.3  | 26 |
| 30 | Distinct regulation of integrin-dependent T cell conjugate formation and NF-kappa B activation by the adapter protein ADAP. <i>Journal of Immunology</i> , <b>2008</b> , 181, 4840-51   | 5.3  | 23 |
| 29 | Role of phosphoinositide 3-kinase and the Cbl adaptor protein in coupling the $\beta$ 1 integrin to mitogen-activated protein kinase signalling. <i>Biochemical Journal</i> , <b>2000</b> , 345, 385-392  | 3.8  | 23 |

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|----|--|------|----|
| 28 | Regulation of integrin function by T cell activation: points of convergence and divergence. <i>Immunologic Research</i> , <b>1999</b> , 20, 127-45   | 4.3  | 23 |
| 27 | T cell receptor stimulation, but not CD28 costimulation, is dependent on LFA-1-mediated events. <i>European Journal of Immunology</i> , <b>1994</b> , 24, 265-72   | 6.1  | 23 |
| 26 | ADAP is dispensable for NK cell development and function. <i>International Immunology</i> , <b>2006</b> , 18, 1305-14  | 4.9  | 20 |
| 25 | The pleckstrin homology domain in the SKAP55 adapter protein defines the ability of the adapter protein ADAP to regulate integrin function and NF-kappaB activation. <i>Journal of Immunology</i> , <b>2011</b> , 186, 6227-37 | 5.3  | 18 |
| 24 | Tyrosine kinase activity associated with the CD7 antigen: correlation with regulation of T cell integrin function. <i>European Journal of Immunology</i> , <b>1994</b> , 24, 2602-8  | 6.1  | 18 |
| 23 | T-lymphocyte interactions with endothelium and extracellular matrix. <i>Critical Reviews in Oral Biology and Medicine</i> , <b>1996</b> , 7, 59-86   |      | 16 |
| 22 | Regulatory mechanisms underlying T cell integrin receptor function. <i>Seminars in Immunology</i> , <b>1993</b> , 5, 227-36  | 10.7 | 16 |
| 21 | Renal Denervation Normalizes Arterial Pressure With No Effect on Glucose Metabolism or Renal Inflammation in Obese Hypertensive Mice. <i>Hypertension</i> , <b>2016</b> , 68, 929-36   | 8.5  | 15 |
| 20 | $\alpha$ integrin is critical for the maintenance of antigen-specific CD4 T cells in the bone marrow but not long-term immunological memory. <i>Journal of Immunology</i> , <b>2011</b> , 186, 4019-26                         | 5.3  | 15 |
| 19 | Role of afferent and efferent renal nerves in the development of AngII-salt hypertension in rats. <i>Physiological Reports</i> , <b>2018</b> , 6, e13602   | 2.6  | 14 |
| 18 | Genetic analysis of integrin activation in T lymphocytes. <i>Immunological Reviews</i> , <b>2002</b> , 186, 172-88   | 11.3 | 12 |
| 17 | Multistage T cell-dendritic cell interactions control optimal CD4 T cell activation through the ADAP-SKAP55-signaling module. <i>Journal of Immunology</i> , <b>2013</b> , 191, 2372-83  | 5.3  | 11 |
| 16 | Signal transduction events regulating integrin function and T cell migration: new functions and complexity. <i>Immunologic Research</i> , <b>2003</b> , 27, 107-28   | 4.3  | 11 |
| 15 | From the ECM to the cytoskeleton and back: how integrins orchestrate T cell action. <i>Autoimmunity</i> , <b>2000</b> , 7, 155-70  |      | 11 |
| 14 | Irreversible electroporation augments checkpoint immunotherapy in prostate cancer and promotes tumor antigen-specific tissue-resident memory CD8+ T cells. <i>Nature Communications</i> , <b>2021</b> , 12, 3862               | 17.4 | 11 |
| 13 | ADAP regulates cell cycle progression of T cells via control of cyclin E and Cdk2 expression through two distinct CARMA1-dependent signaling pathways. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 1908-17       | 4.8  | 10 |
| 12 | Negative Regulation of Memory Phenotype CD8 T Cell Conversion by Adhesion and Degranulation-Promoting Adapter Protein. <i>Journal of Immunology</i> , <b>2015</b> , 195, 3119-28   | 5.3  | 8  |
| 11 | Cytokine-mediated activation of human ex vivo-expanded V $\beta$ V $\alpha$ T cells. <i>Oncotarget</i> , <b>2017</b> , 8, 45928-45943  | 3.3  | 7  |

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|----|---|------|---|
| 10 | Adhesion- and Degranulation-Promoting Adapter Protein Promotes CD8 T Cell Differentiation and Resident Memory Formation and Function during an Acute Infection. <i>Journal of Immunology</i> , <b>2016</b> , 197, 2079-89 | 5.3  | 6 |
| 9  | Role of phosphoinositide 3-kinase and the Cbl adaptor protein in coupling the $\alpha 4 \beta 1$ integrin to mitogen-activated protein kinase signalling. <i>Biochemical Journal</i> , <b>2000</b> , 345, 385             | 3.8  | 5 |
| 8  | Measurement of cellular adhesion under static conditions. <i>Current Protocols in Immunology</i> , <b>2001</b> , Chapter 7, Unit 7.28   | 4    | 5 |
| 7  | Activation-dependent changes in soluble fibronectin binding and expression of $\alpha 4 \beta 1$ integrin activation epitopes in T cells: relationship to T cell adhesion and migration <b>2000</b> , 30, 38              |      | 2 |
| 6  | Activation-dependent changes in soluble fibronectin binding and expression of $\alpha 4 \beta 1$ integrin activation epitopes in T cells: relationship to T cell adhesion and migration <b>2000</b> , 30, 38              |      | 2 |
| 5  | Adhesion in the immune system. <i>Immunological Reviews</i> , <b>2002</b> , 186, 5-7  | 11.3 | 1 |
| 4  | Adhesion Molecules <b>1998</b> , 26-33  |      | 1 |
| 3  | Disabling multiple integrins from the inside out. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 23-4  | 15.9 | 1 |
| 2  | Signal Transduction Events Regulating Integrin Function and T Cell Migration in the Mouse <b>2007</b> , 195-206   |      |   |
| 1  | The WAVE2 complex regulates T cell receptor signaling to integrins via Abl- and CrkL $\beta$ 3G-mediated activation of Rap1. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, i21-i21                         | 16.6 |   |