# Yoshihiro Baba

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 2,868 citations | 331670 21 h-index | 315739 38 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 5137 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Interleukin-10-Producing Plasmablasts Exert Regulatory Function in Autoimmune Inflammation. Immunity, 2014, 41, 1040-1051. | 14.3 | 450 |
| 2 | Essential function for the calcium sensor STIM1 in mast cell activation and anaphylactic responses. Nature Immunology, 2008, 9, 81-88. | 14.5 | 312 |
| 3 | Coupling of STIM1 to store-operated Ca2+ entry through its constitutive and inducible movement in the endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16704-16709. | 7.1 | 291 |
| 4 | B Cell Signaling and Fate Decision. Annual Review of Immunology, 2010, 28, 21-55. | 21.8 | 290 |
| 5 | The Calcium Sensors STIM1 and STIM2 Control B Cell Regulatory Function through Interleukin-10 Production. Immunity, 2011, 34, 703-714. | 14.3 | 235 |
| 6 | STIM1 Controls Neuronal Ca2+ Signaling, mGluR1-Dependent Synaptic Transmission, and Cerebellar Motor Behavior. Neuron, 2014, 82, 635-644. | 8.1 | 162 |
| 7 | Sialylation converts arthritogenic IgG into inhibitors of collagen-induced arthritis. Nature Communications, 2016, 7, 11205. | 12.8 | 148 |
| 8 | Generation of colonic IgA-secreting cells in the caecal patch. Nature Communications, 2014, 5, 3704. | 12.8 | 121 |
| 9 | The activated conformation of integrin Î²7 is a novel multiple myelomaâ€“specific target for CAR T cell therapy. Nature Medicine, 2017, 23, 1436-1443. | 30.7 | 105 |
| 10 | Ca <sup>2+</sup> signals regulate mitochondrial metabolism by stimulating CREB-mediated expression of the mitochondrial Ca <sup>2+</sup> uniporter gene MCU. Science Signaling, 2015, 8, ra23. | 3.6 | 102 |
| 11 | Impact of Ca2+ signaling on B cell function. Trends in Immunology, 2011, 32, 589-594. | 6.8 | 67 |
| 12 | B Cell Receptor Signaling. Advances in Experimental Medicine and Biology, 2020, 1254, 23-36. | 1.6 | 59 |
| 13 | Tet2 and Tet3 in B cells are required to repress CD86 and prevent autoimmunity. Nature Immunology, 2020, 21, 950-961. | 14.5 | 55 |
| 14 | Physiological function and molecular basis of STIM1â€mediated calcium entry in immune cells. Immunological Reviews, 2009, 231, 174-188. | 6.0 | 47 |
| 15 | Role of Calcium Signaling in B Cell Activation and Biology. Current Topics in Microbiology and Immunology, 2015, 393, 143-174. | 1.1 | 44 |
| 16 | Signals controlling the development and activity of regulatory B-lineage cells. International Immunology, 2015, 27, 487-493. | 4.0 | 39 |
| 17 | Surf4 modulates STIM1-dependent calcium entry. Biochemical and Biophysical Research Communications, 2012, 422, 615-620. | 2.1 | 37 |
| 18 | Calcium signaling in B cells: Regulation of cytosolic Ca2+ increase and its sensor molecules, STIM1 and STIM2. Molecular Immunology, 2014, 62, 339-343. | 2.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The COMMD3/8 complex determines GRK6 specificity for chemoattractant receptors. Journal of Experimental Medicine, 2019, 216, 1630-1647. | 8.5 | 32 |
| 20 | Potent functional uncoupling between STIM1 and Orai1 by dimeric 2-aminodiphenyl borinate analogs. Cell Calcium, 2014, 56, 482-492. | 2.4 | 31 |
| 21 | Heterogeneous subsets of B-lineage regulatory cells (Breg cells). International Immunology, 2020, 32, 155-162. | 4.0 | 31 |
| 22 | GPR40 activation initiates store-operated Ca2+ entry and potentiates insulin secretion via the IP3R1/STIM1/Orai1 pathway in pancreatic Î²-cells. Scientific Reports, 2019, 9, 15562. | 3.3 | 27 |
| 23 | LRRK1 is critical in the regulation of B-cell responses and CARMA1-dependent NF-ÎºB activation. Scientific Reports, 2016, 6, 25738. | 3.3 | 26 |
| 24 | Intrinsic Disorder Mediates Cooperative Signal Transduction in STIM1. Journal of Molecular Biology, 2014, 426, 2082-2097. | 4.2 | 24 |
| 25 | UDP-Induced Phagocytosis and ATP-Stimulated Chemotactic Migration Are Impaired inSTIM1<sup>â˜’</sup>/â˜’Microglia In Vitro and In Vivo. Mediators of Inflammation, 2017, 2017, 1-13. | 3.0 | 20 |
| 26 | Stromal interaction molecule 1 haploinsufficiency causes maladaptive response to pressure overload. PLoS ONE, 2017, 12, e0187950. | 2.5 | 14 |
| 27 | Sensitive detection of fluorescence in western blotting by merging images. PLoS ONE, 2018, 13, e0191532. | 2.5 | 13 |
| 28 | TRPM5 Negatively Regulates Calcium-Dependent Responses in Lipopolysaccharide-Stimulated B Lymphocytes. Cell Reports, 2020, 31, 107755. | 6.4 | 10 |
| 29 | Efficient human-like antibody repertoire and hybridoma production in trans-chromosomic mice carrying megabase-sized human immunoglobulin loci. Nature Communications, 2022, 13, 1841. | 12.8 | 10 |
| 30 | Silencing and activating anergic B cells*. Immunological Reviews, 2022, 307, 43-52. | 6.0 | 8 |
| 31 | Generation and characterization of CD19-iCre mice as a tool for efficient and specific conditional gene targeting in B cells. Scientific Reports, 2021, 11, 5524. | 3.3 | 6 |
| 32 | ER membrane protein complex 1 interacts with STIM1 and regulates store-operated Ca2+ entry. Journal of Biochemistry, 2021, 170, 483-488. | 1.7 | 4 |
| 33 | Pyruvate enhances oral tolerance via GPR31. International Immunology, 2022, 34, 343-352. | 4.0 | 4 |
| 34 | Special AT-Rich Sequence-Binding Protein 1 Supports Survival and Maturation of Naive B Cells Stimulated by B Cell Receptors. Journal of Immunology, 2022, , ji2101097. | 0.8 | 4 |
| 35 | MHC class II inhibits the generation of ILâ€17A<sup>+</sup> VÎ³6 Î³Î´ T cells in the thymus at perinatal stage. European Journal of Immunology, 2022, 52, 1366-1368. | 2.9 | 1 |
| 36 | Quiescent B Cells Acquire Sensitivity to Cell Cycle Arresting Agents by B Cell Receptor Stimulation. Biological and Pharmaceutical Bulletin, 2022, 45, 847-850. | 1.4 | 0 |