

# Hiroshi Ohno

## List of Publications by Year in descending order

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241  
papers

30,492  
citations

9775

73  
h-index

5249

165  
g-index

247  
all docs

247  
docs citations

247  
times ranked

38791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. Nature, 2013, 504, 446-450.	13.7	3,901
2	Treg induction by a rationally selected mixture of Clostridia strains from the human microbiota. Nature, 2013, 500, 232-236.	13.7	2,339
3	An atlas of active enhancers across human cell types and tissues. Nature, 2014, 507, 455-461.	13.7	2,269
4	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	13.7	1,838
5	Bifidobacteria can protect from enteropathogenic infection through production of acetate. Nature, 2011, 469, 543-547.	13.7	1,836
6	Interaction of tyrosine-based sorting signals with clathrin-associated proteins. Science, 1995, 269, 1872-1875.	6.0	910
7	Th17 Cell Induction by Adhesion of Microbes to Intestinal Epithelial Cells. Cell, 2015, 163, 367-380.	13.5	846
8	Microfold (M) cells: important immunosurveillance posts in the intestinal epithelium. Mucosal Immunology, 2013, 6, 666-677.	2.7	549
9	Uptake through glycoprotein 2 of FimH+ bacteria by M cells initiates mucosal immune response. Nature, 2009, 462, 226-230.	13.7	544
10	A Novel Clathrin Adaptor Complex Mediates Basolateral Targeting in Polarized Epithelial Cells. Cell, 1999, 99, 189-198.	13.5	479
11	AP-3: an adaptor-like protein complex with ubiquitous expression. EMBO Journal, 1997, 16, 917-928.	3.5	356
12	Protein sorting by tyrosine-based signals: adapting to the Ys and wherefores. Trends in Cell Biology, 1997, 7, 124-128.	3.6	334
13	Tyrosine Phosphorylation Controls Internalization of CTLA-4 by Regulating Its Interaction with Clathrin-Associated Adaptor Complex AP-2. Immunity, 1997, 6, 583-589.	6.6	319
14	Protein targeting by tyrosine- and di-leucine-based signals: evidence for distinct saturable components.. Journal of Cell Biology, 1996, 135, 341-354.	2.3	300
15	Two distinct pathways of specific killing revealed by perforin mutant cytotoxic T lymphocytes. Immunity, 1994, 1, 357-364.	6.6	294
16	M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex. Nature Cell Biology, 2009, 11, 1427-1432.	4.6	286
17	Robustness of Gut Microbiota of Healthy Adults in Response to Probiotic Intervention Revealed by High-Throughput Pyrosequencing. DNA Research, 2013, 20, 241-253.	1.5	272
18	Structural Determinants of Interaction of Tyrosine-based Sorting Signals with the Adaptor Medium Chains. Journal of Biological Chemistry, 1996, 271, 29009-29015.	1.6	264

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19	Comparative Genome Analysis of <i>Lactobacillus reuteri</i> and <i>Lactobacillus fermentum</i> Reveal a Genomic Island for Reuterin and Cobalamin Production. <i>DNA Research</i> , 2008, 15, 151-161.	1.5	255
20	Oral Administration of <i>P. gingivalis</i> Induces Dysbiosis of Gut Microbiota and Impaired Barrier Function Leading to Dissemination of Enterobacteria to the Liver. <i>PLoS ONE</i> , 2015, 10, e0134234.	1.1	252
21	Resistance of Fc receptor- deficient mice to fatal glomerulonephritis.. <i>Journal of Clinical Investigation</i> , 1998, 102, 1229-1238.	3.9	241
22	ADAMTS-1 cleaves a cartilage proteoglycan, aggrecan. <i>FEBS Letters</i> , 2000, 478, 241-245.	1.3	239
23	Ï¼1B, a novel adaptor medium chain expressed in polarized epithelial cells1. <i>FEBS Letters</i> , 1999, 449, 215-220.	1.3	234
24	The Medium Subunits of Adaptor Complexes Recognize Distinct but Overlapping Sets of Tyrosine-based Sorting Signals. <i>Journal of Biological Chemistry</i> , 1998, 273, 25915-25921.	1.6	229
25	Cytoplasmic tailâ€dependent internalization of membrane-type 1 matrix metalloproteinase is important for its invasion-promoting activity. <i>Journal of Cell Biology</i> , 2001, 155, 1345-1356.	2.3	220
26	Identity of the elusive IgM Fc receptor (FcÏ¼4R) in humans. <i>Journal of Experimental Medicine</i> , 2009, 206, 2779-2793.	4.2	205
27	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. <i>Nature Immunology</i> , 2012, 13, 729-736.	7.0	196
28	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017, 4, 170112.	2.4	195
29	Interaction of Endocytic Signals from the HIV-1 Envelope Glycoprotein Complex with Members of the Adaptor Medium Chain Family. <i>Virology</i> , 1997, 238, 305-315.	1.1	181
30	Acetate-producing bifidobacteria protect the host from enteropathogenic infection via carbohydrate transporters. <i>Gut Microbes</i> , 2012, 3, 449-454.	4.3	174
31	Adaptor Protein Complexes as the Key Regulators of Protein Sorting in the Post-Golgi Network. <i>Cell Structure and Function</i> , 2003, 28, 419-429.	0.5	168
32	Comprehensive Gene Expression Profiling of Peyerâ€™s Patch M Cells, Villous M-Like Cells, and Intestinal Epithelial Cells. <i>Journal of Immunology</i> , 2008, 180, 7840-7846.	0.4	160
33	Intestinal M cells. <i>Journal of Biochemistry</i> , 2016, 159, 151-160.	0.9	159
34	Gut microorganisms act together to exacerbate inflammation in spinal cords. <i>Nature</i> , 2020, 585, 102-106.	13.7	153
35	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. <i>Nature Immunology</i> , 2014, 15, 571-579.	7.0	147
36	AP-1 and KIF13A coordinate endosomal sorting and positioning during melanosome biogenesis. <i>Journal of Cell Biology</i> , 2009, 187, 247-264.	2.3	146

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37	Association with FcR $\gamma$ 3 Is Essential for Activation Signal through NKR-P1 (CD161) in Natural Killer (NK) Cells and NK1.1+ T Cells. <i>Journal of Experimental Medicine</i> , 1997, 186, 1957-1963.	4.2	144
38	Mast Cells Are Crucial for Induction of Group 2 Innate Lymphoid Cells and Clearance of Helminth Infections. <i>Immunity</i> , 2017, 46, 863-874.e4.	6.6	143
39	Aggravation of collagen-induced arthritis by orally administered <i>Porphyromonas gingivalis</i> through modulation of the gut microbiota and gut immune system. <i>Scientific Reports</i> , 2017, 7, 6955.	1.6	141
40	Regulation of Cell Surface Expression of CTLA-4 by Secretion of CTLA-4-Containing Lysosomes Upon Activation of CD4+ T Cells. <i>Journal of Immunology</i> , 2000, 165, 5062-5068.	0.4	136
41	Oral Administration of <i>Porphyromonas gingivalis</i> Alters the Gut Microbiome and Serum Metabolome. <i>MSphere</i> , 2018, 3, .	1.3	134
42	High-affinity monoclonal IgA regulates gut microbiota and prevents colitis in mice. <i>Nature Microbiology</i> , 2016, 1, 16103.	5.9	128
43	Alternative Splicing Regulates the Subcellular Localization of Divalent Metal Transporter 1 Isoforms. <i>Molecular Biology of the Cell</i> , 2002, 13, 4371-4387.	0.9	126
44	Probiotic <i>Bifidobacterium longum</i> alters gut luminal metabolism through modification of the gut microbial community. <i>Scientific Reports</i> , 2015, 5, 13548.	1.6	126
45	Signal-binding Specificity of the $\gamma$ 4 Subunit of the Adaptor Protein Complex AP-4. <i>Journal of Biological Chemistry</i> , 2001, 276, 13145-13152.	1.6	125
46	Complete Genome Sequences of Rat and Mouse Segmented Filamentous Bacteria, a Potent Inducer of Th17 Cell Differentiation. <i>Cell Host and Microbe</i> , 2011, 10, 273-284.	5.1	125
47	Antinociception induced in rats by intrathecal administration of antiserum against calcitonin gene-related peptide. <i>Neuroscience Letters</i> , 1988, 92, 325-329.	1.0	122
48	Clathrin Adaptor AP-2 Is Essential for Early Embryonal Development. <i>Molecular and Cellular Biology</i> , 2005, 25, 9318-9323.	1.1	121
49	Gut microbiome and metabolic diseases. <i>Seminars in Immunopathology</i> , 2014, 36, 103-114.	2.8	121
50	Cell Surface Expression of Calnexin, a Molecular Chaperone in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2000, 275, 35751-35758.	1.6	120
51	Microbiota-derived lactate accelerates colon epithelial cell turnover in starvation-refed mice. <i>Nature Communications</i> , 2013, 4, 1654.	5.8	111
52	Differential roles of epigenetic changes and Foxp3 expression in regulatory T cell-specific transcriptional regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5289-5294.	3.3	111
53	Identification of TOSO/FAIM3 as an Fc receptor for IgM. <i>International Immunology</i> , 2010, 22, 149-156.	1.8	110
54	Calcitonin gene-related peptide increases in the dorsal root ganglia of adjuvant arthritic rat. <i>Peptides</i> , 1989, 10, 447-452.	1.2	109

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55	Dependence of T Cell Antigen Recognition on the Dimensions of an Accessory Receptor-Ligand Complex. <i>Journal of Experimental Medicine</i> , 1999, 190, 31-42.	4.2	109
56	Critical role of the IgM Fc receptor in IgM homeostasis, B-cell survival, and humoral immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2699-706.	3.3	105
57	Acetate differentially regulates IgA reactivity to commensal bacteria. <i>Nature</i> , 2021, 595, 560-564.	13.7	104
58	LST1 promotes the assembly of a molecular machinery responsible for tunneling nanotube formation. <i>Journal of Cell Science</i> , 2013, 126, 767-77.	1.2	103
59	Essential role of S-adenosylmethionine decarboxylase in mouse embryonic development. <i>Genes To Cells</i> , 2002, 7, 41-47.	0.5	102
60	Defective function of GABA-containing synaptic vesicles in mice lacking the AP-3B clathrin adaptor. <i>Journal of Cell Biology</i> , 2004, 167, 293-302.	2.3	102
61	Multiple Omics Uncovers Host-Gut Microbial Mutualism During Prebiotic Fructooligosaccharide Supplementation. <i>DNA Research</i> , 2014, 21, 469-480.	1.5	101
62	The impact of the gut microbiome on extra-intestinal autoimmune diseases. <i>Nature Reviews Immunology</i> , 2023, 23, 9-23.	10.6	99
63	Bacteria-Induced Group 2 Innate Lymphoid Cells in the Stomach Provide Immune Protection through Induction of IgA. <i>Immunity</i> , 2020, 52, 635-649.e4.	6.6	94
64	Maternal High Fiber Diet during Pregnancy and Lactation Influences Regulatory T Cell Differentiation in Offspring in Mice. <i>Journal of Immunology</i> , 2017, 199, 3516-3524.	0.4	93
65	Mechanism of NKT cell activation by intranasal coadministration of $\alpha$ -galactosylceramide, which can induce cross-protection against influenza viruses. <i>Mucosal Immunology</i> , 2008, 1, 208-218.	2.7	92
66	Potential Role of the Formation of Tunneling Nanotubes in HIV-1 Spread in Macrophages. <i>Journal of Immunology</i> , 2016, 196, 1832-1841.	0.4	90
67	Cytotoxic T Lymphocyte Antigen 4 (Ctla-4) Engagement Delivers an Inhibitory Signal through the Membrane-Proximal Region in the Absence of the Tyrosine Motif in the Cytoplasmic Tail. <i>Journal of Experimental Medicine</i> , 1999, 190, 765-774.	4.2	89
68	Functional Domain Mapping of the Clathrin-associated Adaptor Medium Chains $\mu$ -1 and $\mu$ -2. <i>Journal of Biological Chemistry</i> , 1997, 272, 27160-27166.	1.6	88
69	M cell-depletion blocks oral prion disease pathogenesis. <i>Mucosal Immunology</i> , 2012, 5, 216-225.	2.7	88
70	The Neuronal Form of Adaptor Protein-3 Is Required for Synaptic Vesicle Formation from Endosomes. <i>Journal of Neuroscience</i> , 2001, 21, 8034-8042.	1.7	84
71	The Membrane-Bound Chemokine CXCL16 Expressed on Follicle-Associated Epithelium and M Cells Mediates Lympho-Epithelial Interaction in GALT. <i>Journal of Immunology</i> , 2006, 176, 43-51.	0.4	83
72	Distinct Gene Expression Profiles Characterize Cellular Phenotypes of Follicle-Associated Epithelium and M Cells. <i>DNA Research</i> , 2005, 12, 127-137.	1.5	81

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73	Cutting Edge: <i>Brucella abortus</i> Exploits a Cellular Prion Protein on Intestinal M Cells as an Invasive Receptor. <i>Journal of Immunology</i> , 2012, 189, 1540-1544.	0.4	81
74	The functional maturation of M cells is dramatically reduced in the Peyer's patches of aged mice. <i>Mucosal Immunology</i> , 2013, 6, 1027-1037.	2.7	80
75	Rapid turnover of the CD3 $\zeta$ chain independent of the TCR-CD3 complex in normal T cells. <i>Immunity</i> , 1995, 2, 639-644.	6.6	79
76	Glycoprotein 2 (GP2). <i>Gut Microbes</i> , 2010, 1, 407-410.	4.3	79
77	Construction of an open-access database that integrates cross-reference information from the transcriptome and proteome of immune cells. <i>Bioinformatics</i> , 2007, 23, 2934-2941.	1.8	74
78	A Di-leucine Signal in the Ubiquitin Moiety. <i>Journal of Biological Chemistry</i> , 2000, 275, 26213-26219.	1.6	73
79	Differential Recognition of Tyrosine-based Basolateral Signals by AP-1B Subunit $\beta$ 41B in Polarized Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 2374-2382.	0.9	69
80	Development of intestinal M cells and follicle-associated epithelium is regulated by TRAF6-mediated NF- $\kappa$ B signaling. <i>Journal of Experimental Medicine</i> , 2018, 215, 501-519.	4.2	69
81	New Approach for M-Cell-Specific Molecules Screening by Comprehensive Transcriptome Analysis. <i>DNA Research</i> , 2009, 16, 227-235.	1.5	68
82	Botulinum toxin A complex exploits intestinal M cells to enter the host and exert neurotoxicity. <i>Nature Communications</i> , 2015, 6, 6255.	5.8	68
83	The molecular basis of induction and formation of tunneling nanotubes. <i>Cell and Tissue Research</i> , 2013, 352, 67-76.	1.5	67
84	Plasmodium berghei ANKA causes intestinal malaria associated with dysbiosis. <i>Scientific Reports</i> , 2015, 5, 15699.	1.6	67
85	Preferential usage of the Fc receptor gamma chain in the T cell antigen receptor complex by gamma/delta T cells localized in epithelia.. <i>Journal of Experimental Medicine</i> , 1994, 179, 365-369.	4.2	66
86	Altered Ig levels and antibody responses in mice deficient for the Fc receptor for IgM (Fc $\gamma$ 4R). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15882-15887.	3.3	66
87	Capsaicin-induced release of calcitonin gene-related peptide from dorsal horn slices is enhanced in adjuvant arthritic rats. <i>Neuroscience Research</i> , 1989, 6, 569-572.	1.0	65
88	Innate Lymphoid Cells in the Induction of Obesity. <i>Cell Reports</i> , 2019, 28, 202-217.e7.	2.9	64
89	CD8+ regulatory T cells are critical in prevention of autoimmune-mediated diabetes. <i>Nature Communications</i> , 2020, 11, 1922.	5.8	64
90	Rats Harboring S284L <i>Chrna4</i> Mutation Show Attenuation of Synaptic and Extrasynaptic GABAergic Transmission and Exhibit the Nocturnal Frontal Lobe Epilepsy Phenotype. <i>Journal of Neuroscience</i> , 2008, 28, 12465-12476.	1.7	62

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91	A novel mucosal vaccine targeting Peyer's patch M cells induces protective antigen-specific IgA responses. <i>International Immunology</i> , 2014, 26, 619-625.	1.8	62
92	Visualization of the entire differentiation process of murine M cells: suppression of their maturation in cecal patches. <i>Mucosal Immunology</i> , 2015, 8, 650-660.	2.7	62
93	Role of the IgM Fc Receptor in Immunity and Tolerance. <i>Frontiers in Immunology</i> , 2019, 10, 529.	2.2	62
94	Tunneling nanotubes: Emerging view of their molecular components and formation mechanisms. <i>Experimental Cell Research</i> , 2012, 318, 1699-1706.	1.2	61
95	Developmental arrest of NK1.1+ T cell antigen receptor (TCR)-alpha/beta+ T cells and expansion of NK1.1+ TCR-gamma/delta+ T cell development in CD3 zeta-deficient mice.. <i>Journal of Experimental Medicine</i> , 1995, 182, 891-895.	4.2	59
96	Epithelial Cell-Intrinsic Notch Signaling Plays an Essential Role in the Maintenance of Gut Immune Homeostasis. <i>Journal of Immunology</i> , 2012, 188, 2427-2436.	0.4	59
97	<i>Bifidobacterium longum</i> Alleviates Dextran Sulfate Sodium-Induced Colitis by Suppressing IL-17A Response: Involvement of Intestinal Epithelial Costimulatory Molecules. <i>PLoS ONE</i> , 2013, 8, e79735.	1.1	59
98	<i>Lactobacillus plantarum</i> USM8613 Aids in Wound Healing and Suppresses <i>Staphylococcus aureus</i> Infection at Wound Sites. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 125-137.	1.9	58
99	Evaluation and Characterization of Bacterial Metabolic Dynamics with a Novel Profiling Technique, Real-Time Metabolotyping. <i>PLoS ONE</i> , 2009, 4, e4893.	1.1	56
100	Activation-Induced Cytidine Deaminase Deficiency Causes Organ-Specific Autoimmune Disease. <i>PLoS ONE</i> , 2008, 3, e3033.	1.1	55
101	Clathrin-associated adaptor protein complexes. <i>Journal of Cell Science</i> , 2006, 119, 3719-3721.	1.2	54
102	Skin Care and Synbiotics for Prevention of Atopic Dermatitis or Food Allergy in Newborn Infants: A 2 × 2 Factorial, Randomized, Non-Treatment Controlled Trial. <i>International Archives of Allergy and Immunology</i> , 2019, 180, 202-211.	0.9	54
103	Blockade by ferrous iron of Ca <sup>2+</sup> influx through N-methyl-d-aspartate receptor channels in immature cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , 2002, 83, 1-11.	2.1	53
104	The Role of the Clathrin Adaptor AP-1: Polarized Sorting and Beyond. <i>Membranes</i> , 2014, 4, 747-763.	1.4	52
105	<i>Lactobacillus fermentum</i> FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota. <i>Journal of Biotechnology</i> , 2017, 262, 75-83.	1.9	52
106	The Epithelia-Specific Membrane Trafficking Factor AP-1B Controls Gut Immune Homeostasis in Mice. <i>Gastroenterology</i> , 2011, 141, 621-632.	0.6	51
107	AP-1B-Mediated Protein Sorting Regulates Polarity and Proliferation of Intestinal Epithelial Cells in Mice. <i>Gastroenterology</i> , 2013, 145, 625-635.	0.6	51
108	IL-22BP dictates characteristics of Peyer's patch follicle-associated epithelium for antigen uptake. <i>Journal of Experimental Medicine</i> , 2017, 214, 1607-1618.	4.2	51

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109	Ceruloplasmin Is a Novel Adipokine Which Is Overexpressed in Adipose Tissue of Obese Subjects and in Obesity-Associated Cancer Cells. PLoS ONE, 2014, 9, e80274.	1.1	50
110	Different Effects of Eicosapentaenoic and Docosahexaenoic Acids on Atherogenic High-Fat Diet-Induced Non-Alcoholic Fatty Liver Disease in Mice. PLoS ONE, 2016, 11, e0157580.	1.1	50
111	CCR6hiCD11cint B cells promote M-cell differentiation in Peyer's patch. International Immunology, 2011, 23, 261-269.	1.8	49
112	The statistical geometry of transcriptome divergence in cell-type evolution and cancer. Nature Communications, 2015, 6, 6066.	5.8	49
113	Intestinal IgA as a modulator of the gut microbiota. Gut Microbes, 2017, 8, 486-492.	4.3	49
114	Ligature-induced periodontitis in mice induces elevated levels of circulating interleukin-6 but shows only weak effects on adipose and liver tissues. Journal of Periodontal Research, 2016, 51, 639-646.	1.4	47
115	Sox8 is essential for M cell maturation to accelerate IgA response at the early stage after weaning in mice. Journal of Experimental Medicine, 2019, 216, 831-846.	4.2	47
116	Neuronal Leucine-rich Repeat Protein-3 Amplifies MAPK Activation by Epidermal Growth Factor through a Carboxyl-terminal Region Containing Endocytosis Motifs. Journal of Biological Chemistry, 2002, 277, 43549-43552.	1.6	45
117	Dynamics of Golgi Matrix Proteins after the Blockage of ER to Golgi Transport. Journal of Biochemistry, 2004, 135, 201-216.	0.9	45
118	Dynamic Omics Approach Identifies Nutrition-Mediated Microbial Interactions. Journal of Proteome Research, 2011, 10, 824-836.	1.8	45
119	NALT M cells are important for immune induction for the common mucosal immune system. International Immunology, 2017, 29, 471-478.	1.8	45
120	Asymmetric distribution of TLR3 leads to a polarized immune response in human intestinal epithelial cells. Nature Microbiology, 2020, 5, 181-191.	5.9	45
121	Hepatocyte ELOVL Fatty Acid Elongase 6 Determines Ceramide Acyl Chain Length and Hepatic Insulin Sensitivity in Mice. Hepatology, 2020, 71, 1609-1625.	3.6	44
122	The Peroxisome Proliferator-Activated Receptor $\alpha$ (PPAR $\alpha$ ) Agonist Pemafibrate Protects against Diet-Induced Obesity in Mice. International Journal of Molecular Sciences, 2018, 19, 2148.	1.8	43
123	Lactobacillus sp. improved microbiota and metabolite profiles of aging rats. Pharmacological Research, 2019, 146, 104312.	3.1	42
124	Distinct Roles for the N- and C-terminal Regions of M-Sec in Plasma Membrane Deformation during Tunneling Nanotube Formation. Scientific Reports, 2016, 6, 33548.	1.6	41
125	Physiological Roles of Clathrin Adaptor AP Complexes: Lessons from Mutant Animals. Journal of Biochemistry, 2006, 139, 943-948.	0.9	40
126	M-Sec. Communicative and Integrative Biology, 2010, 3, 231-233.	0.6	40



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127	The protective effect of <i>Bifidobacterium bifidum</i> G9-1 against mucus degradation by <i>Akkermansia muciniphila</i> following small intestine injury caused by a proton pump inhibitor and aspirin. <i>Gut Microbes</i> , 2020, 11, 1385-1404.	4.3	40
128	Direct targeting of cis-Golgi matrix proteins to the Golgi apparatus. <i>Journal of Cell Science</i> , 2001, 114, 4105-4115.	1.2	40
129	Obesity-Related Gut Microbiota Aggravates Alveolar Bone Destruction in Experimental Periodontitis through Elevation of Uric Acid. <i>MBio</i> , 2021, 12, e0077121.	1.8	39
130	New monitoring approach for metabolic dynamics in microbial ecosystems using stable-isotope-labeling technologies. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 87-93.	1.1	38
131	Basolateral Sorting of Human Poliovirus Receptor $\beta$ Involves an Interaction with the $\beta$ 41B Subunit of the Clathrin Adaptor Complex in Polarized Epithelial Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 941-948.	1.0	36
132	Identification of a five-pass transmembrane protein family localizing in the Golgi apparatus and the ER. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 850-857.	1.0	36
133	Periodontal Disease Bacteria Specific to Tonsil in IgA Nephropathy Patients Predicts the Remission by the Treatment. <i>PLoS ONE</i> , 2014, 9, e81636.	1.1	35
134	Pancreatic glycoprotein 2 is a first line of defense for mucosal protection in intestinal inflammation. <i>Nature Communications</i> , 2021, 12, 1067.	5.8	35
135	In vitro evaluation method for screening of candidate prebiotic foods. <i>Food Chemistry</i> , 2014, 152, 251-260.	4.2	34
136	Selective peroxisome proliferator-activated receptor $\alpha$ modulator K877 efficiently activates the peroxisome proliferator-activated receptor $\alpha$ pathway and improves lipid metabolism in mice. <i>Journal of Diabetes Investigation</i> , 2017, 8, 446-452.	1.1	34
137	Somatostatin is increased in the dorsal root ganglia of adjuvant-inflamed rat. <i>Neuroscience Research</i> , 1990, 8, 179-188.	1.0	33
138	Effect of Epinephrine Concentration on Lidocaine Disposition during Epidural Anesthesia. <i>Anesthesiology</i> , 1988, 68, 625-628.	1.3	32
139	Uromodulin-SlpA binding dictates <i>Lactobacillus acidophilus</i> uptake by intestinal epithelial M cells. <i>International Immunology</i> , 2017, 29, 357-363.	1.8	32
140	Oral Pathobiont-Induced Changes in Gut Microbiota Aggravate the Pathology of Nonalcoholic Fatty Liver Disease in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 766170.	2.2	32
141	The Mechanisms of M-cell Differentiation. <i>Bioscience of Microbiota, Food and Health</i> , 2014, 33, 91-97.	0.8	31
142	Hyperlipidemia and hepatitis in liver-specific CREB3L3 knockout mice generated using a one-step CRISPR/Cas9 system. <i>Scientific Reports</i> , 2016, 6, 27857.	1.6	31
143	Octacosanol and policosanol prevent high-fat diet-induced obesity and metabolic disorders by activating brown adipose tissue and improving liver metabolism. <i>Scientific Reports</i> , 2019, 9, 5169.	1.6	31
144	CD3 $\eta$ and $\zeta$ chains are produced by alternative splicing from a common gene. <i>International Immunology</i> , 1990, 2, 1117-1119.	1.8	30

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145	CD300 antigen like family member G: A novel Ig receptor like protein exclusively expressed on capillary endothelium. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 183-191.	1.0	30
146	Negative Regulation of Expression and Function of FcγRIII by CD317 in Murine NK Cells. <i>Journal of Immunology</i> , 2001, 166, 21-25.	0.4	28
147	Dual mechanisms of Ca <sup>2+</sup> increases elicited by N-methyl-D-aspartate in immature and mature cultured cortical neurons. <i>Journal of Neuroscience Research</i> , 2002, 67, 275-283.	1.3	28
148	Discovery of Molecular Markers to Discriminate Corneal Endothelial Cells in the Human Body. <i>PLoS ONE</i> , 2015, 10, e0117581.	1.1	28
149	Modality-specific antinociception produced by intrathecal injection of anti-somatostatin antiserum in rats. <i>Brain Research</i> , 1988, 474, 197-200.	1.1	27
150	TCR isoform containing the Fc receptor γ3 chain exhibits structural and functional differences from isoform containing CD3γ4. <i>International Immunology</i> , 1993, 5, 1403-1411.	1.8	27
151	CMRF-35-like molecule-5 constitutes novel paired receptors, with CMRF-35-like molecule-1, to transduce activation signal upon association with FcγR. <i>International Immunology</i> , 2006, 18, 1499-1508.	1.8	27
152	Cytokine-independent Jak3 Activation upon T Cell Receptor (TCR) Stimulation through Direct Association of Jak3 and the TCR Complex. <i>Journal of Biological Chemistry</i> , 2001, 276, 25378-25385.	1.6	26
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