Shoji Maeda

List of Publications by Year
in descending order

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43 papers	4,614 citations	172457 29 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	5526 citing authors

#	Article	IF	Citations
1	Nod2 Mutation in Crohn's Disease Potentiates NF-Î²B Activity and IL-1ÃŸ Processing. Science, 2005, 307, 734-738.	12.6	717
2	Structure of the connexin 26 gap junction channel at 3.5â€‰Ã… resolution. Nature, 2009, 458, 597-602.	27.8	642
3	Structure of the Âμ-opioid receptorâ€“Gi protein complex. Nature, 2018, 558, 547-552.	27.8	527
4	Structure of a Signaling Cannabinoid Receptor 1-G Protein Complex. Cell, 2019, 176, 448-458.e12.	28.9	323
5	Structures of the M1 and M2 muscarinic acetylcholine receptor/G-protein complexes. Science, 2019, 364, 552-557.	12.6	244
6	Major virulence factors, VacA and CagA, are commonly positive inHelicobacter pylori isolates in Japan. Gut, 1998, 42, 338-343.	12.1	227
7	Distinct Mechanism of Helicobacter pylori-mediated NF-Î²B Activation between Gastric Cancer Cells and Monocytic Cells. Journal of Biological Chemistry, 2001, 276, 44856-44864.	3.4	173
8	Structure of cag pathogenicity island in Japanese Helicobacter pyloriisolates. Gut, 1999, 44, 336-341.	12.1	162
9	Development of an antibody fragment that stabilizes GPCR/G-protein complexes. Nature Communications, 2018, 9, 3712.	12.8	157
10	Structure of the gap junction channel and its implications for its biological functions. Cellular and Molecular Life Sciences, 2011, 68, 1115-1129.	5.4	115
11	Roles of Met-34, Cys-64, and Arg-75 in the Assembly of Human Connexin 26. Journal of Biological Chemistry, 2003, 278, 1807-1816.	3.4	96
12	cDNA Microarray Analysis of Helicobacter pylori-Mediated Alteration of Gene Expression in Gastric Cancer Cells. Biochemical and Biophysical Research Communications, 2001, 284, 443-449.	2.1	74
13	Changes with Age in Proteoglycan Synthesis in Cells Cultured In Vitro From the Inner and Outer Rabbit Annulus Fibrosus. Spine, 2000, 25, 166.	2.0	69
14	Functional Impact of Human Collagen Î±2(XI) Gene Polymorphism in Pathogenesis of Ossification of the Posterior Longitudinal Ligament of the Spine. Journal of Bone and Mineral Research, 2001, 16, 948-957.	2.8	69
15	High seropositivity of anti-CagA antibody in Helicobacter pylori-infected patients irrelevant to peptic ulcers and normal mucosa in Japan. Digestive Diseases and Sciences, 1997, 42, 1841-1847.	2.3	67
16	Gender-specific haplotype association of collagen Î±2 (XI) gene in ossification of the posterior longitudinal ligament of the spine. Journal of Human Genetics, 2001, 46, 1-4.	2.3	65
17	Helicobacter pylori specific nested PCR assay for the detection of 23S rRNA mutation associated with clarithromycin resistance. Gut, 1998, 43, 317-321.	12.1	63
18	Structural and functional studies of gap junction channels. Current Opinion in Structural Biology, 2010, 20, 423-430.	5.7	63

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19	Determination of interstitial collagenase (MMP-1) in patients with rheumatoid arthritis.. Annals of the Rheumatic Diseases, 1995, 54, 970-975.	0.9	60
20	Structural insights into the subtype-selective antagonist binding to the M2 muscarinic receptor. Nature Chemical Biology, 2018, 14, 1150-1158.	8.0	59
21	Conformational Complexity and Dynamics in a Muscarinic Receptor Revealed by NMR Spectroscopy. Molecular Cell, 2019, 75, 53-65.e7.	9.7	59
22	Probing GÎ±i1 protein activation at singleâ€“amino acid resolution. Nature Structural and Molecular Biology, 2015, 22, 686-694.	8.2	58
23	Local membrane charge regulates Î²2 adrenergic receptor coupling to Gi3. Nature Communications, 2019, 10, 2234.	12.8	57
24	Cryo-EM structure of the rhodopsin-GÎ±i-Î²Î³ complex reveals binding of the rhodopsin C-terminal tail to the gÎ² subunit. ELife, 2019, 8, .	6.0	52
25	Activation of the Î±2B adrenoceptor by the sedative sympatholytic dexmedetomidine. Nature Chemical Biology, 2020, 16, 507-512.	8.0	51
26	Ligand Binding of the Second PDZ Domain Regulates Clustering of PSD-95 with the Kv1.4 Potassium Channel. Journal of Biological Chemistry, 2002, 277, 3640-3646.	3.4	49
27	Asparagine 175 of Connexin32 Is a Critical Residue for Docking and Forming Functional Heterotypic Gap Junction Channels with Connexin26. Journal of Biological Chemistry, 2011, 286, 19672-19681.	3.4	43
28	Production of GPCR and GPCR complexes for structure determination. Current Opinion in Structural Biology, 2013, 23, 381-392.	5.7	37
29	Structural mechanism underlying primary and secondary coupling between GPCRs and the Gi/o family. Nature Communications, 2020, 11, 3160.	12.8	36
30	Structure and selectivity engineering of the M ₁ muscarinic receptor toxin complex. Science, 2020, 369, 161-167.	12.6	35
31	Analysis of apoptotic and antiapoptotic signalling pathways induced by Helicobacter pylori. Journal of Clinical Pathology, 2002, 55, 286-293.	1.9	32
32	Crystallization Scale Preparation of a Stable GPCR Signaling Complex between Constitutively Active Rhodopsin and G-Protein. PLoS ONE, 2014, 9, e98714.	2.5	24
33	A description of the structural determination procedures of a gap junction channel at 3.5â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 758-766.	2.5	23
34	Transport of organic cation in renal brush-border membrane from rats with renal ischemic injury. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1150, 103-110.	2.6	19
35	Assessment of gastric carcinoma risk associated with Helicobacter pylori may vary depending on the antigen used: CagA specific enzyme-linked immunoadsorbent assay (ELISA) versus commercially available H. pylori ELISAs. Cancer, 2000, 88, 1530-5.	4.1	19
36	Structural basis for the constitutive activity and immunomodulatory properties of the Epstein-Barr virus-encoded G protein-coupled receptor BILF1. Immunity, 2021, 54, 1405-1416.e7.	14.3	18

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37	Atypical structural snapshots of human cytomegalovirus GPCR interactions with host G proteins. Science Advances, 2022, 8, eabl5442.	10.3	11
38	Histochemical Demonstration of Pyrophosphatase. Biotechnic & Histochemistry, 1956, 31, 13-16.	0.4	10
39	Identification of a surface structure in the fourth component of human complement, C4, which becomes hidden upon activation by C1Ë‰s. Biochemical Journal, 1993, 289, 503-508.	3.7	5
40	A Description of a Structure Determination Procedure of a Gap Junction Channel at 3.5A Resolution.. Nihon Kessho Gakkaishi, 2009, 51, 327-333.	0.0	0
41	Structure of Human Gap Junction Channel. Seibutsu Butsuri, 2010, 50, 190-191.	0.1	0
42	Structure of the Gap Junction Channel. Nihon Kessho Gakkaishi, 2010, 52, 25-30.	0.0	0
43	Structural insights into the subtype-selective antagonist binding to the M2 muscarinic receptor. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 3-P-359.	0.0	0