

# Ryuichiro Atarashi

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,447  
citations

394421

19  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1820  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive human prion detection in cerebrospinal fluid by real-time quaking-induced conversion. <i>Nature Medicine</i> , 2011, 17, 175-178.	30.7	511
2	Rapid End-Point Quantitation of Prion Seeding Activity with Sensitivity Comparable to Bioassays. <i>PLoS Pathogens</i> , 2010, 6, e1001217.	4.7	386
3	Ultrasensitive detection of scrapie prion protein using seeded conversion of recombinant prion protein. <i>Nature Methods</i> , 2007, 4, 645-650.	19.0	305
4	Simplified ultrasensitive prion detection by recombinant PrP conversion with shaking. <i>Nature Methods</i> , 2008, 5, 211-212.	19.0	273
5	Mammalian Prions Generated from Bacterially Expressed Prion Protein in the Absence of Any Mammalian Cofactors. <i>Journal of Biological Chemistry</i> , 2010, 285, 14083-14087.	3.4	195
6	Real-time quaking-induced conversion. <i>Prion</i> , 2011, 5, 150-153.	1.8	137
7	Cerebrospinal fluid real-time quaking-induced conversion is a robust and reliable test for sporadic creutzfeldtâ€“jakob disease: An international study. <i>Annals of Neurology</i> , 2016, 80, 160-165.	5.3	107
8	FK506 reduces abnormal prion protein through the activation of autolysosomal degradation and prolongs survival in prion-infected mice. <i>Autophagy</i> , 2013, 9, 1386-1394.	9.1	78
9	Prion-Like Seeding of Misfolded $\alpha$ -Synuclein in the Brains of Dementia with Lewy Body Patients in RT-QUIC. <i>Molecular Neurobiology</i> , 2018, 55, 3916-3930.	4.0	55
10	Increased expression of p62/SQSTM1 in prion diseases and its association with pathogenic prion protein. <i>Scientific Reports</i> , 2014, 4, 4504.	3.3	44
11	Structure-Based Drug Discovery for Prion Disease Using a Novel Binding Simulation. <i>EBioMedicine</i> , 2016, 9, 238-249.	6.1	34
12	Conformational Properties of Prion Strains Can Be Transmitted to Recombinant Prion Protein Fibrils in Real-Time Quaking-Induced Conversion. <i>Journal of Virology</i> , 2014, 88, 11791-11801.	3.4	30
13	Protective Role of Interferon Regulatory Factor 3-Mediated Signaling against Prion Infection. <i>Journal of Virology</i> , 2012, 86, 4947-4955.	3.4	29
14	A direct assessment of human prion adhered to steel wire using real-time quaking-induced conversion. <i>Scientific Reports</i> , 2016, 6, 24993.	3.3	25
15	Type I interferon protects neurons from prions in <i>in vivo</i> models. <i>Brain</i> , 2019, 142, 1035-1050.	7.6	22
16	Hyperefficient PrP <sup>Sc</sup> amplification of mouse-adapted BSE and scrapie strain by protein misfolding cyclic amplification technique. <i>FEBS Journal</i> , 2009, 276, 2841-2848.	4.7	21
17	Characterisation of radioiodinated flavonoid derivatives for SPECT imaging of cerebral prion deposits. <i>Scientific Reports</i> , 2016, 5, 18440.	3.3	21
18	Strain-Dependent Effect of Macroautophagy on Abnormally Folded Prion Protein Degradation in Infected Neuronal Cells. <i>PLoS ONE</i> , 2015, 10, e0137958.	2.5	21

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19	Proteomic approach to profiling immune complex antigens in cerebrospinal fluid samples from patients with central nervous system autoimmune diseases. <i>Clinica Chimica Acta</i> , 2018, 484, 26-31.	1.1	20
20	Rapid and Quantitative Assay of Amyloid-Seeding Activity in Human Brains Affected with Prion Diseases. <i>PLoS ONE</i> , 2015, 10, e0126930.	2.5	19
21	Prion-Seeding Activity Is widely Distributed in Tissues of Sporadic Creutzfeldt-Jakob Disease Patients. <i>EBioMedicine</i> , 2016, 12, 150-155.	6.1	18
22	Identification of Alprenolol Hydrochloride as an Anti-prion Compound Using Surface Plasmon Resonance Imaging. <i>Molecular Neurobiology</i> , 2019, 56, 367-377.	4.0	10
23	Structural conservation of prion strain specificities in recombinant prion protein fibrils in real-time quaking-induced conversion. <i>Prion</i> , 2015, 9, 237-243.	1.8	9
24	Development of radioiodinated acridine derivatives for in vivo imaging of prion deposits in the brain. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1085-1093.	3.0	8
25	Real-Time Quaking-Induced Conversion for Diagnosis of Prion Disease. <i>Methods in Molecular Biology</i> , 2017, 1658, 305-310.	0.9	8
26	Prion protein interacts with the metabotropic glutamate receptor 1 and regulates the organization of Ca <sup>2+</sup> signaling. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 447-454.	2.1	8
27	Administration of FK506 from Late Stage of Disease Prolongs Survival of Human Prion-Inoculated Mice. <i>Neurotherapeutics</i> , 2020, 17, 1850-1860.	4.4	6
28	Persistent prion infection disturbs the function of Oct-1, resulting in the down-regulation of murine interferon regulatory factor-3. <i>Scientific Reports</i> , 2015, 4, 6006.	3.3	5
29	Development of Radioiodinated Benzofuran Derivatives for <i>in Vivo</i> Imaging of Prion Deposits in the Brain. <i>ACS Infectious Diseases</i> , 2019, 5, 2003-2013.	3.8	5
30	Whole genome characterisation of G11P[25] and G9P[19] rotavirus A strains from adult patients with diarrhoea in Nepal. <i>Infection, Genetics and Evolution</i> , 2019, 69, 246-254.	2.3	5
31	RT-QuIC as ultrasensitive method for prion detection. <i>Cell and Tissue Research</i> , 2022, , 1.	2.9	5
32	Estimation of prion infectivity in tissues of cattle infected with atypical BSE by real time-quaking induced conversion assay. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 846-850.	0.9	4
33	Impairment of cerebellar long-term depression and GABAergic transmission in prion protein deficient mice ectopically expressing Pr <sup>PLP</sup> /Dpl. <i>Scientific Reports</i> , 2020, 10, 15900.	3.3	4
34	Strain-Dependent Prion Infection in Mice Expressing Prion Protein with Deletion of Central Residues 91-106. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7260.	4.1	4
35	Discrimination between L-type and C-type bovine spongiform encephalopathy by the strain-specific reactions of real-time quaking-induced conversion. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 1049-1053.	2.1	4
36	Ethanolamine Is a New Anti-Prion Compound. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11742.	4.1	4

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37	Feasibility studies of radioiodinated pyridyl benzofuran derivatives as potential SPECT imaging agents for prion deposits in the brain. <i>Nuclear Medicine and Biology</i> , 2020, 90-91, 41-48.	0.6	2
38	Spontaneous generation of distinct prion variants with recombinant prion protein from a baculovirus-insect cell expression system. <i>Biochemical and Biophysical Research Communications</i> , 2022, 613, 67-72.	2.1	2
39	Dextran sulphate inhibits an association of prions with plasma membrane at the early phase of infection. <i>Neuroscience Research</i> , 2021, 171, 34-40.	1.9	1
40	Pentosan polysulfate induces low-level persistent prion infection keeping measurable seeding activity without PrP-res detection in Fukuoka-1 infected cell cultures. <i>Scientific Reports</i> , 2022, 12, 7923.	3.3	1