

Umberto Agrimi

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,283
citations

172457

29
h-index

223800

46
g-index

65
all docs

65
docs citations

65
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Transmission and Characterization of Creutzfeldtâ€“Jakob Disease Strains in Bank Voles. PLoS Pathogens, 2006, 2, e12.	4.7	201
2	State-of-the-art review of goat TSE in the European Union, with special emphasis onPRNPgenetics and epidemiology. Veterinary Research, 2009, 40, 48.	3.0	119
3	Novel Type of Chronic Wasting Disease Detected in Moose (<i>Alces alces</i>), Norway. Emerging Infectious Diseases, 2018, 24, 2210-2218.	4.3	106
4	Identification of an allelic variant of the goat PrP gene associated with resistance to scrapie. Journal of General Virology, 2006, 87, 1395-1402.	2.9	105
5	Chronic Wasting Disease in Bank Voles: Characterisation of the Shortest Incubation Time Model for Prion Diseases. PLoS Pathogens, 2013, 9, e1003219.	4.7	88
6	Prion Disease in Dromedary Camels, Algeria. Emerging Infectious Diseases, 2018, 24, 1029-1036.	4.3	88
7	The bank vole (<i>Myodes glareolus</i>) as a sensitive bioassay for sheep scrapie. Journal of General Virology, 2008, 89, 2975-2985.	2.9	73
8	Prion Protein Amino Acid Determinants of Differential Susceptibility and Molecular Feature of Prion Strains in Mice and Voles. PLoS Pathogens, 2008, 4, e1000113.	4.7	73
9	Early behavioural changes in mice infected with BSE and scrapie: automated home cage monitoring reveals prion strain differences. European Journal of Neuroscience, 2002, 16, 735-742.	2.6	67
10	A Competitive Polymerase Chain Reactionâ€“Based Approach for the Identification and Semiquantification of Mitochondrial DNA in Differently Heat-Treated Bovine Meat and Bone Meal. Journal of Food Protection, 2003, 66, 103-109.	1.7	67
11	Ultra-Efficient PrP ^{Sc} Amplification Highlights Potentialities and Pitfalls of PMCA Technology. PLoS Pathogens, 2011, 7, e1002370.	4.7	63
12	Histidine at codon 154 of the prion protein gene is a risk factor for Nor98 scrapie in goats. Journal of General Virology, 2008, 89, 3173-3176.	2.9	58
13	Studies in bank voles reveal strain differences between chronic wasting disease prions from Norway and North America. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31417-31426.	7.1	57
14	Cofactors influence the biological properties of infectious recombinant prions. Acta Neuropathologica, 2018, 135, 179-199.	7.7	56
15	Molecular Analysis of Cases of Italian Sheep Scrapie and Comparison with Cases of Bovine Spongiform Encephalopathy (BSE) and Experimental BSE in Sheep. Journal of Clinical Microbiology, 2003, 41, 4127-4133.	3.9	55
16	PrP ^{Sc} in Salivary Glands of Scrapie-Affected Sheep. Journal of Virology, 2007, 81, 4872-4876.	3.4	54
17	Gerstmann-Str�ussler-Scheinker disease subtypes efficiently transmit in bank voles as genuine prion diseases. Scientific Reports, 2016, 6, 20443.	3.3	54
18	Conversion Efficiency of Bank Vole Prion Protein in Vitro Is Determined by Residues 155 and 170, but Does Not Correlate with the High Susceptibility of Bank Voles to Sheep Scrapie in Vivo. Journal of Biological Chemistry, 2006, 281, 9373-9384.	3.4	50

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19	Prion Protein Alleles Showing a Protective Effect on the Susceptibility of Sheep to Scrapie and Bovine Spongiform Encephalopathy. <i>Journal of Virology</i> , 2007, 81, 7306-7309.	3.4	49
20	Prion replication without host adaptation during interspecies transmissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1141-1146.	7.1	45
21	A New Method for the Characterization of Strain-Specific Conformational Stability of Protease-Sensitive and Protease-Resistant PrP ^{Sc} . <i>PLoS ONE</i> , 2010, 5, e12723.	2.5	42
22	Detection of prion seeding activity in the olfactory mucosa of patients with Fatal Familial Insomnia. <i>Scientific Reports</i> , 2017, 7, 46269.	3.3	41
23	Protective effect of the AT137RQ and ARQK176PrP allele against classical scrapie in Sarda breed sheep. <i>Veterinary Research</i> , 2009, 40, 19.	3.0	41
24	PRNP genetic variability and molecular typing of natural goat scrapie isolates in a high number of infected flocks. <i>Veterinary Research</i> , 2011, 42, 104.	3.0	37
25	Small Ruminant Nor98 Prions Share Biochemical Features with Human Gerstmann-StrÄussler-Scheinker Disease and Variably Protease-Sensitive Prionopathy. <i>PLoS ONE</i> , 2013, 8, e66405.	2.5	37
26	Novel Prion Protein Conformation and Glycotype in Creutzfeldt-Jakob Disease. <i>Archives of Neurology</i> , 2007, 64, 595.	4.5	36
27	Epidemic of transmissible spongiform encephalopathy in sheep and goats in Italy. <i>Lancet, The</i> , 1999, 353, 560-561.	13.7	33
28	Assessment of the Genetic Susceptibility of Sheep to Scrapie by Protein Misfolding Cyclic Amplification and Comparison with Experimental Scrapie Transmission Studies. <i>Journal of Virology</i> , 2011, 85, 8386-8392.	3.4	33
29	EMBRYONIC AND NEONATAL MORTALITY FROM SALMONELLOSIS IN CAPTIVE BRED RAPTORS. <i>Journal of Wildlife Diseases</i> , 1998, 34, 64-72.	0.8	32
30	Full restoration of specific infectivity and strain properties from pure mammalian prion protein. <i>PLoS Pathogens</i> , 2019, 15, e1007662.	4.7	30
31	Real-Time Polymerase Chain Reaction Approach for Quantitation of Ruminant-Specific DNA to Indicate a Correlation Between DNA Amount and Meat and Bone Meal Heat Treatments. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 1399-1403.	1.5	29
32	Cofactor and glycosylation preferences for in vitro Prion conversion are predominantly determined by strain conformation. <i>PLoS Pathogens</i> , 2020, 16, e1008495.	4.7	27
33	Variable Protease-Sensitive Prionopathy Transmission to Bank Voles. <i>Emerging Infectious Diseases</i> , 2019, 25, 73-81.	4.3	25
34	Characterization of goat prions demonstrates geographical variation of scrapie strains in Europe and reveals the composite nature of prion strains. <i>Scientific Reports</i> , 2020, 10, 19.	3.3	22
35	Nitric Oxide Synthase Immunoreactivity and NADPH-d Histochemistry in the Enteric Nervous System of Sarda Breed Sheep With Different PrP Genotypes in Whole-mount and Cryostat Preparations. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 387-401.	2.5	21
36	Isolation of infectious, non-fibrillar and oligomeric prions from a genetic prion disease. <i>Brain</i> , 2020, 143, 1512-1524.	7.6	21

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37	Biochemical Characterization of Prion Strains in Bank Voles. <i>Pathogens</i> , 2013, 2, 446-456.	2.8	20
38	Gene expression profiling on sheep brain reveals differential transcripts in scrapie-affected/not-affected animals. <i>Brain Research</i> , 2007, 1142, 217-222.	2.2	19
39	Molecular Discrimination of Sheep Bovine Spongiform Encephalopathy from Scrapie. <i>Emerging Infectious Diseases</i> , 2011, 17, 695-698.	4.3	19
40	Enteroglial and neuronal involvement without apparent neuron loss in ileal enteric nervous system plexuses from scrapie-affected sheep. <i>Journal of General Virology</i> , 2007, 88, 2899-2904.	2.9	17
41	Further characterisation of transmissible spongiform encephalopathy phenotypes after inoculation of cattle with two temporally separated sources of sheep scrapie from Great Britain. <i>BMC Research Notes</i> , 2015, 8, 312.	1.4	17
42	Oral pravastatin prolongs survival time of scrapie-infected mice. <i>Journal of General Virology</i> , 2009, 90, 1775-1780.	2.9	16
43	L-Type Bovine Spongiform Encephalopathy in Genetically Susceptible and Resistant Sheep: Changes in Prion Strain or Phenotypic Plasticity of the Disease-Associated Prion Protein?. <i>Journal of Infectious Diseases</i> , 2014, 209, 950-959.	4.0	14
44	Transmissibility of Gerstmann-Sträussler-Scheinker syndrome in rodent models: New insights into the molecular underpinnings of prion infectivity. <i>Prion</i> , 2016, 10, 421-433.	1.8	14
45	Prion Strain Characterization of a Novel Subtype of Creutzfeldt-Jakob Disease. <i>Journal of Virology</i> , 2017, 91, .	3.4	14
46	Isolation of a Defective Prion Mutant from Natural Scrapie. <i>PLoS Pathogens</i> , 2016, 12, e1006016.	4.7	14
47	Prion-like Doppel gene (PRND) in the goat: genomic structure, cDNA, and polymorphisms. <i>Mammalian Genome</i> , 2005, 16, 963-971.	2.2	11
48	Effect of PrP genotype and route of inoculation on the ability of discriminatory Western blot to distinguish scrapie from sheep bovine spongiform encephalopathy. <i>Journal of General Virology</i> , 2012, 93, 450-455.	2.9	11
49	Four types of scrapie in goats differentiated from each other and bovine spongiform encephalopathy by biochemical methods. <i>Veterinary Research</i> , 2019, 50, 97.	3.0	11
50	Correlation between Infectivity and Disease Associated Prion Protein in the Nervous System and Selected Edible Tissues of Naturally Affected Scrapie Sheep. <i>PLoS ONE</i> , 2015, 10, e0122785.	2.5	11
51	In vitro replication highlights the mutability of prions. <i>Prion</i> , 2014, 8, 154-160.	1.8	9
52	A single amino acid residue in bank vole prion protein drives permissiveness to Nor98/atypical scrapie and the emergence of multiple strain variants. <i>PLoS Pathogens</i> , 2022, 18, e1010646.	4.7	7
53	Intracerebral administration of interleukin-12 (IL-12) and IL-18 modifies the course of mouse scrapie. <i>BMC Veterinary Research</i> , 2006, 2, 37.	1.9	6
54	Mycobacterium avium infection in BALB/c and SCID mice. <i>Journal of Medical Microbiology</i> , 1999, 48, 577-583.	1.8	4

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55	Biodiversity and selection for scrapie resistance in sheep: genetic polymorphism in eight breeds of Algeria. <i>Journal of Genetics</i> , 2018, 97, 453-461.	0.7	4
56	The Mouse Model for Scrapie: Inoculation, Clinical Scoring, and Histopathological Techniques. <i>Methods in Molecular Biology</i> , 2012, 849, 453-471.	0.9	4
57	PT as a tool to point out criticalities in the strategy for control of antibiotic residues in milk: the Italian experience. <i>Accreditation and Quality Assurance</i> , 2015, 20, 267-272.	0.8	2
58	Stability of BSE infectivity towards heat treatment even after proteolytic removal of prion protein. <i>Veterinary Research</i> , 2021, 52, 59.	3.0	2
59	Identification of prion protein genotype in sheep: 11 years of proficiency tests in Italy. <i>Accreditation and Quality Assurance</i> , 2019, 24, 49-55.	0.8	1
60	Biodiversity and selection for scrapie resistance in sheep: genetic polymorphism in eight breeds of Algeria. <i>Journal of Genetics</i> , 2018, 97, 453-461.	0.7	1
61	Title is missing!. , 2020, 16, e1008495.		0
62	Title is missing!. , 2020, 16, e1008495.		0
63	Title is missing!. , 2020, 16, e1008495.		0
64	Title is missing!. , 2020, 16, e1008495.		0