Umberto Agrimi

List of Publications by Year
in descending order

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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	A single amino acid residue in bank vole prion protein drives permissiveness to Nor98/atypical scrapie and the emergence of multiple strain variants. PLoS Pathogens, 2022, 18, e1010646.	4.7	7
2	Stability of BSE infectivity towards heat treatment even after proteolytic removal of prion protein. Veterinary Research, 2021, 52, 59.	3.0	2
3	Characterization of goat prions demonstrates geographical variation of scrapie strains in Europe and reveals the composite nature of prion strains. Scientific Reports, 2020, 10, 19.	3.3	22
4	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
5	Isolation of infectious, non-fibrillar and oligomeric prions from a genetic prion disease. Brain, 2020, 143, 1512-1524.	7.6	21
6	Cofactor and glycosylation preferences for in vitroÂprion conversion are predominantly determined by strain conformation. PLoS Pathogens, 2020, 16, e1008495.	4.7	27
7	Title is missing!. , 2020, 16, e1008495.		0
8	Title is missing!. , 2020, 16, e1008495.		0
9	Title is missing!. , 2020, 16, e1008495.		0
10	Title is missing!. , 2020, 16, e1008495.		0
11	Full restoration of specific infectivity and strain properties from pure mammalian prion protein. PLoS Pathogens, 2019, 15, e1007662.	4.7	30
12	Four types of scrapie in goats differentiated from each other and bovine spongiform encephalopathy by biochemical methods. Veterinary Research, 2019, 50, 97.	3.0	11
13	Identification of prion protein genotype in sheep: 11Âyears of proficiency tests in Italy. Accreditation and Quality Assurance, 2019, 24, 49-55.	0.8	1
14	Variable Protease-Sensitive Prionopathy Transmission to Bank Voles. Emerging Infectious Diseases, 2019, 25, 73-81.	4.3	25
15	Cofactors influence the biological properties of infectious recombinant prions. Acta Neuropathologica, 2018, 135, 179-199.	7.7	56
16	Novel Type of Chronic Wasting Disease Detected in Moose (Alces alces), Norway. Emerging Infectious Diseases, 2018, 24, 2210-2218.	4.3	106
17	Prion Disease in Dromedary Camels, Algeria. Emerging Infectious Diseases, 2018, 24, 1029-1036.	4.3	88
18	Biodiversity and selection for scrapie resistance in sheep: genetic polymorphism in eight breeds of Algeria. Journal of Genetics, 2018, 97, 453-461.	0.7	4

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19	Biodiversity and selection for scrapie resistance in sheep: genetic polymorphism in eight breeds of Algeria. Journal of Genetics, 2018, 97, 453-461.	0.7	1
20	Prion replication without host adaptation during interspecies transmissions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1141-1146.	7.1	45
21	Detection of prion seeding activity in the olfactory mucosa of patients with Fatal Familial Insomnia. Scientific Reports, 2017, 7, 46269.	3.3	41
22	Prion Strain Characterization of a Novel Subtype of Creutzfeldt-Jakob Disease. Journal of Virology, 2017, 91, .	3.4	14
23	Transmissibility of Gerstmannâ€“StrÃusslerâ€“Scheinker syndrome in rodent models: New insights into the molecular underpinnings of prion infectivity. Prion, 2016, 10, 421-433.	1.8	14
24	Gerstmann-StrÃussler-Scheinker disease subtypes efficiently transmit in bank voles as genuine prion diseases. Scientific Reports, 2016, 6, 20443.	3.3	54
25	Isolation of a Defective Prion Mutant from Natural Scrapie. PLoS Pathogens, 2016, 12, e1006016.	4.7	14
26	PT as a tool to point out criticalities in the strategy for control of antibiotic residues in milk: the Italian experience. Accreditation and Quality Assurance, 2015, 20, 267-272.	0.8	2
27	Further characterisation of transmissible spongiform encephalopathy phenotypes after inoculation of cattle with two temporally separated sources of sheep scrapie from Great Britain. BMC Research Notes, 2015, 8, 312.	1.4	17
28	Correlation between Infectivity and Disease Associated Prion Protein in the Nervous System and Selected Edible Tissues of Naturally Affected Scrapie Sheep. PLoS ONE, 2015, 10, e0122785.	2.5	11
29	In vitro replication highlights the mutability of prions. Prion, 2014, 8, 154-160.	1.8	9
30	L-Type Bovine Spongiform Encephalopathy in Genetically Susceptible and Resistant Sheep: Changes in Prion Strain or Phenotypic Plasticity of the Disease-Associated Prion Protein?. Journal of Infectious Diseases, 2014, 209, 950-959.	4.0	14
31	Chronic Wasting Disease in Bank Voles: Characterisation of the Shortest Incubation Time Model for Prion Diseases. PLoS Pathogens, 2013, 9, e1003219.	4.7	88
32	Small Ruminant Nor98 Prions Share Biochemical Features with Human Gerstmann-StrÃussler-Scheinker Disease and Variably Protease-Sensitive Prionopathy. PLoS ONE, 2013, 8, e66405.	2.5	37
33	Biochemical Characterization of Prion Strains in Bank Voles. Pathogens, 2013, 2, 446-456.	2.8	20
34	Effect of PrP genotype and route of inoculation on the ability of discriminatory Western blot to distinguish scrapie from sheep bovine spongiform encephalopathy. Journal of General Virology, 2012, 93, 450-455.	2.9	11
35	The Mouse Model for Scrapie: Inoculation, Clinical Scoring, and Histopathological Techniques. Methods in Molecular Biology, 2012, 849, 453-471.	0.9	4
36	PRNP genetic variability and molecular typing of natural goat scrapie isolates in a high number of infected flocks. Veterinary Research, 2011, 42, 104.	3.0	37

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37	Molecular Discrimination of Sheep Bovine Spongiform Encephalopathy from Scrapie. Emerging Infectious Diseases, 2011, 17, 695-698.	4.3	19
38	Assessment of the Genetic Susceptibility of Sheep to Scrapie by Protein Misfolding Cyclic Amplification and Comparison with Experimental Scrapie Transmission Studies. Journal of Virology, 2011, 85, 8386-8392.	3.4	33
39	Ultra-Efficient PrPSc Amplification Highlights Potentialities and Pitfalls of PMCA Technology. PLoS Pathogens, 2011, 7, e1002370.	4.7	63
40	A New Method for the Characterization of Strain-Specific Conformational Stability of Protease-Sensitive and Protease-Resistant PrPSc. PLoS ONE, 2010, 5, e12723.	2.5	42
41	Oral pravastatin prolongs survival time of scrapie-infected mice. Journal of General Virology, 2009, 90, 1775-1780.	2.9	16
42	Protective effect of the AT137RQ and ARQK176PrP allele against classical scrapie in Sarda breed sheep. Veterinary Research, 2009, 40, 19.	3.0	41
43	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
44	The bank vole (Myodes glareolus) as a sensitive bioassay for sheep scrapie. Journal of General Virology, 2008, 89, 2975-2985.	2.9	73
45	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
46	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
47	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. Journal of Histochemistry and Cytochemistry, 2007, 55, 387-401.	2.5	21
48	Enteroglial and neuronal involvement without apparent neuron loss in ileal enteric nervous system plexuses from scrapie-affected sheep. Journal of General Virology, 2007, 88, 2899-2904.	2.9	17
49	PrP Sc in Salivary Glands of Scrapie-Affected Sheep. Journal of Virology, 2007, 81, 4872-4876.	3.4	54
50	Prion Protein Alleles Showing a Protective Effect on the Susceptibility of Sheep to Scrapie and Bovine Spongiform Encephalopathy. Journal of Virology, 2007, 81, 7306-7309.	3.4	49
51	Novel Prion Protein Conformation and Glycotype in Creutzfeldt-Jakob Disease. Archives of Neurology, 2007, 64, 595.	4.5	36
52	Gene expression profiling on sheep brain reveals differential transcripts in scrapie-affected/not-affected animals. Brain Research, 2007, 1142, 217-222.	2.2	19
53	Intracerebral administration of interleukin-12 (IL-12) and IL-18 modifies the course of mouse scrapie. BMC Veterinary Research, 2006, 2, 37.	1.9	6
54	Efficient Transmission and Characterization of Creutzfeldtâ€"Jakob Disease Strains in Bank Voles. PLoS Pathogens, 2006, 2, e12.	4.7	201

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55	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
56	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
57	Prion-like Doppel gene (PRND) in the goat: genomic structure, cDNA, and polymorphisms. Mammalian Genome, 2005, 16, 963-971.	2.2	11
58	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. Journal of AOAC INTERNATIONAL, 2005, 88, 1399-1403.	1.5	29
59	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
60	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
61	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
62	Mycobacterium avium infection in BALB/c and SCID mice. Journal of Medical Microbiology, 1999, 48, 577-583.	1.8	4
63	Epidemic of transmissible spongiform encephalopathy in sheep and goats in Italy. Lancet, The, 1999, 353, 560-561.	13.7	33
64	EMBRYONIC AND NEONATAL MORTALITY FROM SALMONELLOSIS IN CAPTIVE BRED RAPTORS. Journal of Wildlife Diseases, 1998, 34, 64-72.	0.8	32