

Ralph M Garruto

List of Publications by Year in descending order

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68
papers

4,192
citations

172457

29
h-index

114465

63
g-index

68
all docs

68
docs citations

68
times ranked

3959
citing authors

#	ARTICLE	IF	CITATIONS
1	Tau is a candidate gene for chromosome 17 frontotemporal dementia. <i>Annals of Neurology</i> , 1998, 43, 815-825.	5.3	1,257
2	Motor neuron disease-associated loss of nuclear TDP-43 is linked to DNA double-strand break repair defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4696-4705.	7.1	203
3	A TRPM7 variant shows altered sensitivity to magnesium that may contribute to the pathogenesis of two Guamanian neurodegenerative disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11510-11515.	7.1	192
4	Pathological TDP-43 in parkinsonism-dementia complex and amyotrophic lateral sclerosis of Guam. <i>Acta Neuropathologica</i> , 2007, 115, 133-145.	7.7	161
5	Amyotrophic Lateral Sclerosis and Parkinsonism-Dementia Complex of Guam: Changing Incidence Rates during the Past 60 Years. <i>American Journal of Epidemiology</i> , 2003, 157, 149-157.	3.4	159
6	Neurodegenerative disorders of the western pacific: the search for mechanisms of pathogenesis. <i>Trends in Neurosciences</i> , 1986, 9, 368-374.	8.6	133
7	Increased Susceptibility to Kuru of Carriers of the PRNP129 Methionine/Methionine Genotype. <i>Journal of Infectious Diseases</i> , 2001, 183, 192-196.	4.0	127
8	Amyotrophic lateral sclerosis among chamorro migrants from guam. <i>Annals of Neurology</i> , 1980, 8, 612-619.	5.3	126
9	Calcium and vitamin D metabolism in guamanian chamorros with amyotrophic lateral sclerosis and parkinsonism-dementia. <i>Annals of Neurology</i> , 1984, 15, 42-48.	5.3	123
10	Altered functional properties of a TRPM2 variant in Guamanian ALS and PD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18029-18034.	7.1	115
11	Amyotrophic lateral sclerosis and parkinsonism-dementia among Filipino migrants to Guam. <i>Annals of Neurology</i> , 1981, 10, 341-350.	5.3	99
12	Immunocytochemical characterization of neurofibrillary tangles in amyotrophic lateral sclerosis and parkinsonism-dementia of guam. <i>Annals of Neurology</i> , 1989, 25, 146-151.	5.3	95
13	TDP-43/FUS in motor neuron disease: Complexity and challenges. <i>Progress in Neurobiology</i> , 2016, 145-146, 78-97.	5.7	93
14	Tau pathology involves protein phosphatase 2A in Parkinsonism-dementia of Guam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1144-1149.	7.1	79
15	TRPM7 and TRPM2 Candidate susceptibility genes for Western Pacific ALS and PD?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 822-835.	3.8	77
16	The Distribution and Prevalence of Group a Arbovirus Neutralizing Antibodies Among Human Populations in Southeast Asia and the Pacific Islands. <i>American Journal of Tropical Medicine and Hygiene</i> , 1975, 24, 664-675.	1.4	75
17	Human T Lymphotropic Virus Type I Infection in Papua New Guinea: High Prevalence among the Hagahai Confirmed by Western Analysis. <i>Journal of Infectious Diseases</i> , 1990, 162, 649-654.	4.0	74
18	Two sites in the MAPT region confer genetic risk for Guam ALS/PDC and dementia. <i>Human Molecular Genetics</i> , 2007, 16, 295-306.	2.9	59

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19	Hematological differences during growth among Tibetans and Han Chinese born and raised at high altitude in Qinghai, China. <i>American Journal of Physical Anthropology</i> , 2003, 122, 171-183.	2.1	54
20	Antibodies to HTLV-I in populations of the southwestern Pacific. <i>Journal of Medical Virology</i> , 1988, 26, 339-351.	5.0	53
21	Seroprevalence of antibodies to HTLV-I In patients with chronic neurological disorders other than tropical spastic paraparesis. <i>Annals of Neurology</i> , 1988, 23, S192-S195.	5.3	52
22	AMYOTROPHIC LATERAL SCLEROSIS AND PARKINSONISM-DEMENTIA ON GUAM: A 25-YEAR PROSPECTIVE CASE-CONTROL STUDY. <i>American Journal of Epidemiology</i> , 1986, 124, 643-656.	3.4	50
23	Concentrations of Cd, Co, Cu, Fe, Mn, Rb, V, and Zn in Formalin-Fixed Brain Tissue in Amyotrophic Lateral Sclerosis and Parkinsonism-Dementia Complex of Guam Determined by High-Resolution ICP-MS. <i>Biological Trace Element Research</i> , 2003, 96, 39-60.	3.5	49
24	Potential role of an additive genetic component in the cause of amyotrophic lateral sclerosis and parkinsonism-dementia in the western Pacific. <i>American Journal of Medical Genetics Part A</i> , 1993, 45, 68-76.	2.4	42
25	Comparative study of chronic aluminum-induced neurofilamentous aggregates with intracytoplasmic inclusions of amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 1996, 92, 545-554.	7.7	42
26	Human T-Lymphotropic Virus Type I Infection in the Solomon Islands. <i>American Journal of Tropical Medicine and Hygiene</i> , 1991, 44, 122-130.	1.4	39
27	Identification of novel susceptibility loci for Guam neurodegenerative disease: challenges of genome scans in genetic isolates. <i>Human Molecular Genetics</i> , 2009, 18, 3725-3738.	2.9	37
28	Behavioral changes associated with economic development in the South Pacific: Health transition in Vanuatu. <i>American Journal of Human Biology</i> , 2011, 23, 366-376.	1.6	34
29	Behavioral risk factors for obesity during health transition in Vanuatu, South Pacific. <i>Obesity</i> , 2013, 21, E98-E104.	3.0	32
30	Growth of Qinghai Tibetans living at three different high altitudes. <i>American Journal of Physical Anthropology</i> , 2000, 111, 69-88.	2.1	30
31	The origins and genetic distinctiveness of the chamorros of the Marianas Islands: An mtDNA perspective. <i>American Journal of Human Biology</i> , 2013, 25, 116-122.	1.6	30
32	Larger FVC and FEV 1 among Tibetans compared to Han born and raised at high altitude. <i>American Journal of Physical Anthropology</i> , 2016, 159, 244-255.	2.1	27
33	Patterns of childhood and adolescent overweight and obesity during health transition in Vanuatu. <i>Public Health Nutrition</i> , 2012, 15, 158-166.	2.2	23
34	A novel liquid chromatography/mass spectrometry method for determination of neurotransmitters in brain tissue: Application to human tauopathies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1073, 154-162.	2.3	23
35	Tropical myeloneuropathies – a new aetiology. <i>Trends in Neurosciences</i> , 1988, 11, 526-532.	8.6	19
36	Immunohistochemical expression of IGFâ€ and GSK in the spinal cord of Kii and Guamanian ALS patients. <i>Neuropathology</i> , 2009, 29, 548-558.	1.2	19

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37	Impact of modernization on adult body composition on five islands of varying economic development in vanuatu. <i>American Journal of Human Biology</i> , 2015, 27, 832-844.	1.6	19
38	Amyotrophic lateral sclerosis and parkinsonism-dementia of Gaum: Clinical, epidemiological, and genetic patterns. <i>American Journal of Human Biology</i> , 1989, 1, 367-382.	1.6	18
39	Verification of HTLV-I Infection in the Solomon Islands by Virus Isolation and Gene Amplification. <i>Japanese Journal of Cancer Research</i> , 1991, 82, 240-244.	1.7	18
40	The contribution of mitochondrial dysfunction to a gene-environment model of Guamanian ALS and PD. <i>Mitochondrion</i> , 2008, 8, 109-116.	3.4	16
41	Models of environmentally induced neurological disease: epidemiology and etiology of amyotrophic lateral sclerosis and parkinsonism-dementia in the Western Pacific. <i>Environmental Geochemistry and Health</i> , 1990, 12, 137-151.	3.4	15
42	Risk behaviors in a rural community with a known point-source exposure to chronic wasting disease. <i>Environmental Health</i> , 2008, 7, 31.	4.0	14
43	Inherited and somatic mitochondrial DNA mutations in Guam amyotrophic lateral sclerosis and parkinsonism-dementia. <i>Neurological Sciences</i> , 2011, 32, 883-892.	1.9	13
44	Model-based risk assessment and public health analysis to prevent Lyme disease. <i>Royal Society Open Science</i> , 2017, 4, 170841.	2.4	13
45	Cerebrovascular inflammation is associated with tau pathology in Guam parkinsonism dementia. <i>Journal of Neural Transmission</i> , 2018, 125, 1013-1025.	2.8	13
46	Lyme Disease Transmission Risk: Seasonal Variation in the Built Environment. <i>Healthcare (Switzerland)</i> , 2018, 6, 84.	2.0	13
47	A Commentary on Neuronal Degeneration and Cell Death in Guam ALS and PD: An Evolutionary Process of Understanding. <i>Current Alzheimer Research</i> , 2006, 3, 397-401.	1.4	12
48	Responses of Han Migrants Compared to Tibetans at High Altitude. <i>American Journal of Human Biology</i> , 2013, 25, 169-178.	1.6	12
49	Slow dendritic transport of dissociated mouse hippocampal neurons exposed to aluminum. <i>Brain Research</i> , 1997, 748, 237-240.	2.2	10
50	Ownership of consumer electronics is associated with measures of adiposity during health transition in Vanuatu. <i>American Journal of Human Biology</i> , 2017, 29, e22928.	1.6	10
51	Using multiple correspondence analysis to identify behaviour patterns associated with overweight and obesity in Vanuatu adults. <i>Public Health Nutrition</i> , 2019, 22, 1533-1544.	2.2	10
52	Activation of the Unfolded Protein Response and Proteostasis Disturbance in Parkinsonism-Dementia of Guam. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 34-45.	1.7	10
53	Flashback to the 1960s: Utility of archived sera to explore the origin and evolution of Plasmodium falciparum chloroquine resistance in the Pacific. <i>Acta Tropica</i> , 2006, 99, 15-22.	2.0	9
54	Stunting and the Prediction of Lung Volumes Among Tibetan Children and Adolescents at High Altitude. <i>High Altitude Medicine and Biology</i> , 2015, 16, 306-317.	0.9	9

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55	Experimental Paradigms of Motor Neuron Degeneration. , 1994, , 39-88.		9
56	Diversity of Plasmodium falciparum Chloroquine Resistance Transporter (pfcr) Exon 2 Haplotypes in the Pacific from 1959 to 1979. PLoS ONE, 2012, 7, e30213.	2.5	7
57	Risk Factors of Lyme Disease: An Intersection of Environmental Ecology and Systems Science. Healthcare (Switzerland), 2019, 7, 66.	2.0	7
58	Relationships between body size and percent body fat among Melanesians in Vanuatu. Asia Pacific Journal of Clinical Nutrition, 2010, 19, 425-31.	0.4	7
59	Contributions of isolated Pacific populations to understanding neurodegenerative diseases. Folia Neuropathologica, 2009, 47, 149-70.	1.2	6
60	A Half Century of Highâ€Altitude Studies in Anthropology: Introduction to the Plenary Session. American Journal of Human Biology, 2013, 25, 148-150.	1.6	4
61	Environmental stress and adaptational responses: consequences for human health outcomes. Collegium Antropologicum, 2004, 28, 509-40.	0.2	4
62	Secular change in adult stature associated with modernization in Vanuatu. American Journal of Human Biology, 2017, 29, e23008.	1.6	3
63	Rolling Tobacco in Banana Leaves, Newspaper, or Copybook Paper Associated With Significant Reduction in Lung Function in Vanuatu. Asia-Pacific Journal of Public Health, 2017, 29, 180-188.	1.0	3
64	The Neuronal Cytoskeleton in Disorders of Late Onset and Slow Progression. Annals of the New York Academy of Sciences, 1993, 679, 388-393.	3.8	2
65	Coming to grips with economic development: Variation in adult hand grip strength during health transition in Vanuatu. American Journal of Physical Anthropology, 2018, 167, 760-776.	2.1	2
66	Cat Ownership and Rural Residence Are Associated with Lyme Disease Prevalence in the Northeastern United States. International Journal of Environmental Research and Public Health, 2022, 19, 5618.	2.6	2
67	Serological and virological evidence for human T-lymphotropic virus type I infection among the isolated Hagahai of Papua New Guinea. , 1992, , 143-153.		0
68	D. Carleton Gajdusek: 1923â€2008. American Journal of Human Biology, 2009, 21, 716-718.	1.6	0