

Grant Townsend

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,987
citations

159585

30
h-index

175258

52
g-index

82
all docs

82
docs citations

82
times ranked

2476
citing authors

#	ARTICLE	IF	CITATIONS
1	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. <i>Nature</i> , 2017, 544, 357-361.	27.8	398
2	Heritability of permanent tooth size. <i>American Journal of Physical Anthropology</i> , 1978, 49, 497-504.	2.1	147
3	Genetic and environmental contributions to variation in human tooth size. <i>Heredity</i> , 2001, 86, 685-693.	2.6	130
4	Genetic and environmental influences on human dental variation: A critical evaluation of studies involving twins. <i>Archives of Oral Biology</i> , 2009, 54, S45-S51.	1.8	128
5	A Radiographic Assessment of the Prevalence of Pulp Stones in Australians. <i>Australian Dental Journal</i> , 2002, 47, 36-40.	1.5	98
6	Epigenetic influences may explain dental differences in monozygotic twin pairs. <i>Australian Dental Journal</i> , 2005, 50, 95-100.	1.5	92
7	Morphogenetic fields within the human dentition: A new, clinically relevant synthesis of an old concept. <i>Archives of Oral Biology</i> , 2009, 54, S34-S44.	1.8	92
8	Genetic, environmental and epigenetic influences on variation in human tooth number, size and shape. <i>Odontology / the Society of the Nippon Dental University</i> , 2012, 100, 1-9.	1.9	86
9	Inheritance of tooth size in Australian Aborigines. <i>American Journal of Physical Anthropology</i> , 1978, 48, 305-314.	2.1	72
10	The dentition: the outcomes of morphogenesis leading to variations of tooth number, size and shape. <i>Australian Dental Journal</i> , 2014, 59, 131-142.	1.5	72
11	Genetic Covariance Structure of Incisor Crown Size in Twins. <i>Journal of Dental Research</i> , 1995, 74, 1389-1398.	5.2	71
12	Strong Genetic Control of Emergence of Human Primary Incisors. <i>Journal of Dental Research</i> , 2007, 86, 1160-1165.	5.2	68
13	Fitting Genetic Models to Carabelli Trait Data in South Australian Twins. <i>Journal of Dental Research</i> , 1992, 71, 403-409.	5.2	67
14	Differential Nuclear and Mitochondrial DNA Preservation in Post-Mortem Teeth with Implications for Forensic and Ancient DNA Studies. <i>PLoS ONE</i> , 2015, 10, e0126935.	2.5	65
15	Tooth size patterns in patients with hypodontia and supernumerary teeth. <i>Archives of Oral Biology</i> , 2009, 54, S63-S70.	1.8	62
16	New standards for permanent tooth emergence in Australian children. <i>Australian Dental Journal</i> , 2003, 48, 39-42.	1.5	60
17	Intrauterine Hormone Effects on Tooth Dimensions. <i>Journal of Dental Research</i> , 2013, 92, 425-431.	5.2	59
18	Heritability of deciduous tooth size in Australian aborigines. <i>American Journal of Physical Anthropology</i> , 1980, 53, 297-300.	2.1	56

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19	Reduced tooth size in 45,X (Turner syndrome) females. American Journal of Physical Anthropology, 1984, 65, 367-371.	2.1	53
20	Tooth size in children and young adults with trisomy 21 (Down) syndrome. Archives of Oral Biology, 1983, 28, 159-166.	1.8	52
21	Expression of the entoconulid (sixth cusp) on mandibular molar teeth of an Australian aboriginal population. American Journal of Physical Anthropology, 1990, 82, 267-274.	2.1	49
22	Sexual dimorphism in crown units of mandibular deciduous and permanent molars in Australian Aborigines. HOMO- Journal of Comparative Human Biology, 2004, 55, 53-64.	0.7	45
23	The teeth and faces of twins: providing insights into dentofacial development and oral health for practising oral health professionals. Australian Dental Journal, 2014, 59, 101-116.	1.5	42
24	Tooth Wear in Children with Down Syndrome. Australian Dental Journal, 2002, 47, 30-35.	1.5	40
25	Tooth size in 47, XYY males: evidence for a direct effect of the Y chromosome on growth. Australian Dental Journal, 1985, 30, 268-272.	1.5	39
26	Intercuspal Distances of Maxillary Pre-molar Teeth in Australian Aborigines. Journal of Dental Research, 1985, 64, 443-446.	5.2	39
27	Epigenetics: a new frontier in dentistry. Australian Dental Journal, 2014, 59, 23-33.	1.5	39
28	Family studies of tooth size factors in the permanent dentition. American Journal of Physical Anthropology, 1979, 50, 183-190.	2.1	37
29	Discal attachments of the human temporomandibular joint. Australian Dental Journal, 2005, 50, 152-160.	1.5	37
30	Genetic aspects of dental disorders. Australian Dental Journal, 1998, 43, 269-286.	1.5	34
31	General and craniofacial development are complex adaptive processes influenced by diversity. Australian Dental Journal, 2014, 59, 13-22.	1.5	32
32	Size and shape of mandibular first molars in Down syndrome. Annals of Human Biology, 1984, 11, 281-290.	1.0	30
33	Defining new dental phenotypes using 3-D image analysis to enhance discrimination and insights into biological processes. Archives of Oral Biology, 2009, 54, S118-S125.	1.8	30
34	Tooth size and dental arch dimensions: a stereophotogrammetric study in Southeast Asian Malays. Orthodontics and Craniofacial Research, 2011, 14, 243-253.	2.8	30
35	The value of twins in dental research. Australian Dental Journal, 2003, 48, 82-88.	1.5	29
36	Crown size variability in the deciduous dentition of South Australian children. American Journal of Human Biology, 1993, 5, 681-690.	1.6	28

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37	Dental phenomics: advancing genotype to phenotype correlations in craniofacial research. Australian Dental Journal, 2014, 59, 34-47.	1.5	27
38	Three-dimensional (3D) geometric morphometric analysis of human premolars to assess sexual dimorphism and biological ancestry in Australian populations. American Journal of Physical Anthropology, 2018, 166, 373-385.	2.1	25
39	Genetic and environmental contributions to variation in human tooth size. Heredity, 2001, 86, 685-693.	2.6	25
40	Functional dental occlusion: an anthropological perspective and implications for practice. Australian Dental Journal, 2014, 59, 162-173.	1.5	24
41	Anatomical Variation Of The Sphenomandibular Ligament. Australian Endodontic Journal, 2001, 27, 22-24.	1.5	23
42	Genetic and Environmental Influences on Dentofacial Structures and Oral Health: Studies of Australian Twins and Their Families. Twin Research and Human Genetics, 2006, 9, 727-732.	0.6	23
43	Anatomical relationships within the human pterygomandibular space: Relevance to local anesthesia. Clinical Anatomy, 2010, 23, 936-944.	2.7	23
44	Agenesis of permanent maxillary lateral incisors in South Australian twins. Australian Dental Journal, 1995, 40, 186-192.	1.5	22
45	Dentine and cementum as sources of nuclear DNA for use in human identification. Australian Journal of Forensic Sciences, 2011, 43, 287-295.	1.2	22
46	Surface-Sensitive Microwear Texture Analysis of Attrition and Erosion. Journal of Dental Research, 2017, 96, 300-307.	5.2	19
47	Effect of Down syndrome on the dimensions of dental crowns and tissues. American Journal of Human Biology, 2001, 13, 690-698.	1.6	16
48	Association of frontal sinus development with somatic and skeletal maturation in Aboriginal Australians: a longitudinal study. HOMO- Journal of Comparative Human Biology, 2004, 55, 39-52.	0.7	16
49	How Studies of Twins Can Inform Our Understanding of Dental Morphology. Frontiers of Oral Biology, 2009, 13, 136-141.	1.5	14
50	The "sialo" microbial dental complex™ in oral health and disease. Annals of Anatomy, 2016, 203, 85-89.	1.9	14
51	Introducing Adelaide dental students to a problem-based learning curriculum. European Journal of Dental Education, 1999, 3, 15-19.	2.0	13
52	The face, the future, and dental practice: how research in craniofacial biology will influence patient care. Australian Dental Journal, 2014, 59, 1-5.	1.5	13
53	Morphological variation of the maxillary lateral incisor. Japanese Dental Science Review, 2014, 50, 100-107.	5.1	12
54	New approaches to dental anthropology based on the study of twins. , 0, , 10-21.		11

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55	Variability of palatal dimensions in South Australian twins. <i>Journal of Forensic Odonto-Stomatology</i> , 1990, 8, 3-14.	0.2	11
56	Sexual dimorphism in the primary and permanent dentitions of twins: an approach to clarifying the role of hormonal factors. , 2012, , 46-64.		10
57	Alterations in mandibular morphology associated with glypican 1 and glypican 3 gene mutations. <i>Orthodontics and Craniofacial Research</i> , 2017, 20, 183-187.	2.8	10
58	Genetic and Environmental Influences on Dentofacial Structures and Oral Health: Studies of Australian Twins and Their Families. <i>Twin Research and Human Genetics</i> , 2006, 9, 727-732.	0.6	9
59	Variation in natural head position and establishing corrected head position. <i>HOMO- Journal of Comparative Human Biology</i> , 2014, 65, 187-200.	0.7	8
60	Infraocclusion: Dental development and associated dental variations in singletons and twins. <i>Archives of Oral Biology</i> , 2015, 60, 1394-1402.	1.8	8
61	Gaining New Insights into How Genetic Factors Influence Human Dental Development by Studying Twins. <i>International Journal of Anthropology</i> , 2006, 21, 67-74.	0.1	7
62	Dynamic Systems (Complexity) theory as a new conceptual model for researching PBL in dental education. <i>European Journal of Dental Education</i> , 2012, 16, 43-51.	2.0	7
63	Bacterial colonization, enamel defects and dental caries in 4â€“6â€“yearâ€“old monoâ€“and dizygotic twins. <i>International Journal of Paediatric Dentistry</i> , 2014, 24, 152-160.	1.8	7
64	The human medial pterygoid muscle: Attachments and distribution of muscle spindles. <i>Clinical Anatomy</i> , 2017, 30, 1064-1071.	2.7	7
65	Morphogenetic fields within the dentition. <i>Australian Orthodontic Journal</i> , 1981, 7, 3-12.	0.3	7
66	New PBL dental curriculum at the University of Adelaide. <i>Journal of Dental Education</i> , 1997, 61, 374-87.	1.2	7
67	The lingual nerve: overview and new insights into anatomical variability based on fine dissection using human cadavers. <i>Odontology / the Society of the Nippon Dental University</i> , 2019, 107, 1-9.	1.9	6
68	New curriculum developments at The University of Adelaide. <i>Australian Dental Journal</i> , 1993, 38, 238-242.	1.5	5
69	The pterygoideus proprius muscle revisited. , 1998, 11, 332-337.		5
70	Problem-based learning interventions in a traditional curriculum are an effective learning tool. <i>Evidence-Based Dentistry</i> , 2011, 12, 115-116.	0.8	5
71	Genetic Correlation, Pleiotropy, and Molar Morphology in a Longitudinal Sample of Australian Twins and Families. <i>Genes</i> , 2022, 13, 996.	2.4	5
72	Lamination of the Masticatory Muscles in the Kangaroo According to Their Innervation. <i>Okajimas Folia Anatomica Japonica</i> , 2000, 76, 303-310.	1.2	4

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73	The Influence of Chorion Type on Health Measures at Birth and Dental Development in Australian and Dutch Twins: A Comparative Study. <i>Twin Research and Human Genetics</i> , 2015, 18, 368-374.	0.6	2
74	Under your nose: a rare finding during dissection provides insights into maxillary supernumerary teeth. <i>Australian Dental Journal</i> , 2014, 59, 379-385.	1.5	1
75	THE MATURE STOMATOGNATHIC SYSTEM IS A COMPLEX ADAPTIVE SYSTEM. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2017, , 188-193.	0.0	1
76	Molar size sequence in a mixed population from Santo Domingo. <i>Australian Dental Journal</i> , 1985, 30, 358-359.	1.5	0
77	Expanding the Global Conversation in Dental Education: Guidelines for Scholarly Research and Writing for International Authors. <i>Journal of Dental Education</i> , 2013, 77, 676-678.	1.2	0
78	6. Variability in mandibular first premolar root morphology : a comparative study between Japanese and Australian Caucasoid. <i>The Journal of the Kyushu Dental Society</i> , 1993, 47, 400.	0.0	0
79	AGENTS WITHIN A DEVELOPMENTAL COMPLEX ADAPTIVE SYSTEM: INTRAUTERINE MALE HORMONES INFLUENCE HUMAN TOOTH SIZE AND SHAPE. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2017, , 214-220.	0.0	0
80	Expanding the global conversation in dental education: guidelines for scholarly research and writing for international authors. <i>Journal of Dental Education</i> , 2013, 77, 676-8.	1.2	0