

# 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	Genetic Correlation, Pleiotropy, and Molar Morphology in a Longitudinal Sample of Australian Twins and Families. <i>Genes</i> , 2022, 13, 996.	2.4	5
2	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
3	Three-dimensional (3D) geometric morphometric analysis of human premolars to assess sexual dimorphism and biological ancestry in Australian populations. <i>American Journal of Physical Anthropology</i> , 2018, 166, 373-385.	2.1	25
4	Surface-Sensitive Microwear Texture Analysis of Attrition and Erosion. <i>Journal of Dental Research</i> , 2017, 96, 300-307.	5.2	19
5	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. <i>Nature</i> , 2017, 544, 357-361.	27.8	398
6	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
7	The human medial pterygoid muscle: Attachments and distribution of muscle spindles. <i>Clinical Anatomy</i> , 2017, 30, 1064-1071.	2.7	7
8	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
9	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
10	The "sialo"microbial" dental complex™ in oral health and disease. <i>Annals of Anatomy</i> , 2016, 203, 85-89.	1.9	14
11	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
12	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
13	Infraocclusion: Dental development and associated dental variations in singletons and twins. <i>Archives of Oral Biology</i> , 2015, 60, 1394-1402.	1.8	8
14	General and craniofacial development are complex adaptive processes influenced by diversity. <i>Australian Dental Journal</i> , 2014, 59, 13-22.	1.5	32
15	Morphological variation of the maxillary lateral incisor. <i>Japanese Dental Science Review</i> , 2014, 50, 100-107.	5.1	12
16	Bacterial colonization, enamel defects and dental caries in 4-6-year-old mono- and dizygotic twins. <i>International Journal of Paediatric Dentistry</i> , 2014, 24, 152-160.	1.8	7
17	Epigenetics: a new frontier in dentistry. <i>Australian Dental Journal</i> , 2014, 59, 23-33.	1.5	39
18	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

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19	Variation in natural head position and establishing corrected head position. HOMO- Journal of Comparative Human Biology, 2014, 65, 187-200.	0.7	8
20	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
21	Under your nose: a rare finding during dissection provides insights into maxillary supernumerary teeth. Australian Dental Journal, 2014, 59, 379-385.	1.5	1
22	Dental phenomics: advancing genotype to phenotype correlations in craniofacial research. Australian Dental Journal, 2014, 59, 34-47.	1.5	27
23	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
24	Functional dental occlusion: an anthropological perspective and implications for practice. Australian Dental Journal, 2014, 59, 162-173.	1.5	24
25	Intrauterine Hormone Effects on Tooth Dimensions. Journal of Dental Research, 2013, 92, 425-431.	5.2	59
26	Expanding the Global Conversation in Dental Education: Guidelines for Scholarly Research and Writing for International Authors. Journal of Dental Education, 2013, 77, 676-678.	1.2	0
27	Expanding the global conversation in dental education: guidelines for scholarly research and writing for international authors. Journal of Dental Education, 2013, 77, 676-8.	1.2	0
28	Dynamic Systems (Complexity) theory as a new conceptual model for researching PBL in dental education. European Journal of Dental Education, 2012, 16, 43-51.	2.0	7
29	Genetic, environmental and epigenetic influences on variation in human tooth number, size and shape. Odontology / the Society of the Nippon Dental University, 2012, 100, 1-9.	1.9	86
30	Sexual dimorphism in the primary and permanent dentitions of twins: an approach to clarifying the role of hormonal factors. , 2012, , 46-64.		10
31	Tooth size and dental arch dimensions: a stereophotogrammetric study in Southeast Asian Malays. Orthodontics and Craniofacial Research, 2011, 14, 243-253.	2.8	30
32	Problem-based learning interventions in a traditional curriculum are an effective learning tool. Evidence-Based Dentistry, 2011, 12, 115-116.	0.8	5
33	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
34	Anatomical relationships within the human pterygomandibular space: Relevance to local anesthesia. Clinical Anatomy, 2010, 23, 936-944.	2.7	23
35	How Studies of Twins Can Inform Our Understanding of Dental Morphology. Frontiers of Oral Biology, 2009, 13, 136-141.	1.5	14
36	Tooth size patterns in patients with hypodontia and supernumerary teeth. Archives of Oral Biology, 2009, 54, S63-S70.	1.8	62

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37	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
38	Genetic and environmental influences on human dental variation: A critical evaluation of studies involving twins. Archives of Oral Biology, 2009, 54, S45-S51.	1.8	128
39	Morphogenetic fields within the human dentition: A new, clinically relevant synthesis of an old concept. Archives of Oral Biology, 2009, 54, S34-S44.	1.8	92
40	Strong Genetic Control of Emergence of Human Primary Incisors. Journal of Dental Research, 2007, 86, 1160-1165.	5.2	68
41	Gaining New Insights into How Genetic Factors Influence Human Dental Development by Studying Twins. International Journal of Anthropology, 2006, 21, 67-74.	0.1	7
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	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	9
44	Epigenetic influences may explain dental differences in monozygotic twin pairs. Australian Dental Journal, 2005, 50, 95-100.	1.5	92
45	Discal attachments of the human temporomandibular joint. Australian Dental Journal, 2005, 50, 152-160.	1.5	37
46	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
47	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
48	New standards for permanent tooth emergence in Australian children. Australian Dental Journal, 2003, 48, 39-42.	1.5	60
49	The value of twins in dental research. Australian Dental Journal, 2003, 48, 82-88.	1.5	29
50	Tooth Wear in Children with Down Syndrome. Australian Dental Journal, 2002, 47, 30-35.	1.5	40
51	A Radiographic Assessment of the Prevalence of Pulp Stones in Australians. Australian Dental Journal, 2002, 47, 36-40.	1.5	98
52	Genetic and environmental contributions to variation in human tooth size. Heredity, 2001, 86, 685-693.	2.6	130
53	Effect of Down syndrome on the dimensions of dental crowns and tissues. American Journal of Human Biology, 2001, 13, 690-698.	1.6	16
54	Anatomical Variation Of The Sphenomandibular Ligament. Australian Endodontic Journal, 2001, 27, 22-24.	1.5	23

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55	Genetic and environmental contributions to variation in human tooth size. <i>Heredity</i> , 2001, 86, 685-693.	2.6	25
56	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
57	Introducing Adelaide dental students to a problemâ€based learning curriculum. <i>European Journal of Dental Education</i> , 1999, 3, 15-19.	2.0	13
58	The pterygoideus proprius muscle revisited. , 1998, 11, 332-337.		5
59	Genetic aspects of dental disorders. <i>Australian Dental Journal</i> , 1998, 43, 269-286.	1.5	34
60	New PBL dental curriculum at the University of Adelaide. <i>Journal of Dental Education</i> , 1997, 61, 374-87.	1.2	7
61	Agenesis of permanent maxillary lateral incisors in South Australian twins. <i>Australian Dental Journal</i> , 1995, 40, 186-192.	1.5	22
62	Genetic Covariance Structure of Incisor Crown Size in Twins. <i>Journal of Dental Research</i> , 1995, 74, 1389-1398.	5.2	71
63	Crown size variability in the deciduous dentition of South Australian children. <i>American Journal of Human Biology</i> , 1993, 5, 681-690.	1.6	28
64	New curriculum developments at The University of Adelaide. <i>Australian Dental Journal</i> , 1993, 38, 238-242.	1.5	5
65	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
66	Fitting Genetic Models to Carabelli Trait Data in South Australian Twins. <i>Journal of Dental Research</i> , 1992, 71, 403-409.	5.2	67
67	Expression of the entoconulid (sixth cusp) on mandibular molar teeth of an Australian aboriginal population. <i>American Journal of Physical Anthropology</i> , 1990, 82, 267-274.	2.1	49
68	Variability of palatal dimensions in South Australian twins. <i>Journal of Forensic Odonto-Stomatology</i> , 1990, 8, 3-14.	0.2	11
69	Tooth size in 47, XYY males: evidence for a direct effect of the Y chromosome on growth. <i>Australian Dental Journal</i> , 1985, 30, 268-272.	1.5	39
70	Molar size sequence in a mixed population from Santo Domingo. <i>Australian Dental Journal</i> , 1985, 30, 358-359.	1.5	0
71	Intercuspal Distances of Maxillary Pre-molar Teeth in Australian Aborigines. <i>Journal of Dental Research</i> , 1985, 64, 443-446.	5.2	39
72	Size and shape of mandibular first molars in Down syndrome. <i>Annals of Human Biology</i> , 1984, 11, 281-290.	1.0	30

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73	Reduced tooth size in 45,X (Turner syndrome) females. American Journal of Physical Anthropology, 1984, 65, 367-371.	2.1	53
74	Tooth size in children and young adults with trisomy 21 (Down) syndrome. Archives of Oral Biology, 1983, 28, 159-166.	1.8	52
75	Morphogenetic fields within the dentition. Australian Orthodontic Journal, 1981, 7, 3-12.	0.3	7
76	Heritability of deciduous tooth size in Australian aboriginals. American Journal of Physical Anthropology, 1980, 53, 297-300.	2.1	56
77	Family studies of tooth size factors in the permanent dentition. American Journal of Physical Anthropology, 1979, 50, 183-190.	2.1	37
78	Inheritance of tooth size in Australian Aboriginals. American Journal of Physical Anthropology, 1978, 48, 305-314.	2.1	72
79	Heritability of permanent tooth size. American Journal of Physical Anthropology, 1978, 49, 497-504.	2.1	147
80	New approaches to dental anthropology based on the study of twins. , 0, , 10-21.		11