

Pertti M Pirttiniemi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

2,059
citations

25
h-index

38
g-index

122
ext. papers

2,404
ext. citations

2.7
avg, IF

4.64
L-index

#	Paper	IF	Citations
115	Relationship between craniofacial and condyle path asymmetry in unilateral cross-bite patients. <i>European Journal of Orthodontics</i> , 1990 , 12, 408-13	3.3	114
114	Associations of mandibular and facial asymmetries--a review. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 1994 , 106, 191-200	2.1	92
113	Dental arch morphology in children with sleep-disordered breathing. <i>European Journal of Orthodontics</i> , 2009 , 31, 160-7	3.3	85
112	Abnormal mandibular growth and the condylar cartilage. <i>European Journal of Orthodontics</i> , 2009 , 31, 1-11	3.3	68
111	Effect of mechanical forces on chondrocyte maturation and differentiation in the mandibular condyle of the rat. <i>Journal of Dental Research</i> , 1994 , 73, 1150-6	8.1	67
110	Quality of life in patients with severe malocclusion before treatment. <i>European Journal of Orthodontics</i> , 2010 , 32, 43-8	3.3	56
109	Validity of upper airway assessment in children: a clinical, cephalometric, and MRI study. <i>Angle Orthodontist</i> , 2011 , 81, 433-9	2.6	53
108	Cephalometric evaluation of children with nocturnal sleep-disordered breathing. <i>European Journal of Orthodontics</i> , 2010 , 32, 662-71	3.3	52
107	Dental esthetics and quality of life in adults with severe malocclusion before and after treatment. <i>Angle Orthodontist</i> , 2014 , 84, 594-9	2.6	50
106	Comparison of amounts and properties of collagen and proteoglycans in condylar, costal and nasal cartilages. <i>Cells Tissues Organs</i> , 1999 , 164, 30-6	2.1	48
105	Relationships of bicondylar position to occlusal asymmetry. <i>European Journal of Orthodontics</i> , 1991 , 13, 441-5	3.3	46
104	Effect of decreased loading on the metabolic activity of the mandibular condylar cartilage in the rat. <i>European Journal of Orthodontics</i> , 2004 , 26, 1-5	3.3	45
103	Craniofacial growth after a period of unilateral masticatory function in young rabbits. <i>European Journal of Oral Sciences</i> , 1997 , 105, 331-7	2.3	42
102	The effects of early headgear treatment on dental arches and craniofacial morphology: a report of a 2 year randomized study. <i>European Journal of Orthodontics</i> , 2004 , 26, 59-64	3.3	42
101	Effect of reduced articular function on deposition of type I and type II collagens in the mandibular condylar cartilage of the rat. <i>Archives of Oral Biology</i> , 1996 , 41, 127-31	2.8	40
100	Preventing deformational plagiocephaly through parent guidance: a randomized, controlled trial. <i>European Journal of Pediatrics</i> , 2015 , 174, 1197-208	4.1	39
99	Three-dimensional longitudinal assessment of facial symmetry in adolescents. <i>European Journal of Orthodontics</i> , 2013 , 35, 143-51	3.3	38

98	Normal and increased functional asymmetries in the craniofacial area. <i>Acta Odontologica Scandinavica</i> , 1998 , 56, 342-5	2.2	38
97	Occlusal characteristics and quality of life before and after treatment of severe malocclusion. <i>European Journal of Orthodontics</i> , 2012 , 34, 704-9	3.3	34
96	Dental arch width, overbite, and overjet in a Finnish population with normal occlusion between the ages of 7 and 32 years. <i>European Journal of Orthodontics</i> , 2012 , 34, 418-26	3.3	32
95	JNK/ERK-AP-1/Runx2 induction "paves the way" to cartilage load-ignited chondroblastic differentiation. <i>Histochemistry and Cell Biology</i> , 2005 , 124, 215-23	2.4	31
94	Cranial shape, size and cervical motion in normal newborns. <i>Early Human Development</i> , 2014 , 90, 425-30	2.2	30
93	The effects of early headgear treatment on dental arches and craniofacial morphology: an 8 year report of a randomized study. <i>European Journal of Orthodontics</i> , 2005 , 27, 429-36	3.3	30
92	Load application induces changes in the expression levels of Sox-9, FGFR-3 and VEGF in condylar chondrocytes. <i>FEBS Letters</i> , 2007 , 581, 2041-6	3.8	27
91	Head posture and dentofacial asymmetries in surgically treated muscular torticollis patients. <i>Acta Odontologica Scandinavica</i> , 1989 , 47, 193-7	2.2	26
90	Effect of food consistency on the shape of the articular eminence and the mandible. An experimental study on the rabbit. <i>Acta Odontologica Scandinavica</i> , 1993 , 51, 65-72	2.2	24
89	Prevalence of Temporomandibular Disorders in the Northern Finland Birth Cohort 1966. <i>Journal of Oral and Facial Pain and Headache</i> , 2017 , 31, 159-164	2.5	23
88	Correlation of occlusal factors and condyle position asymmetry with signs and symptoms of temporomandibular disorders in young adults. <i>Cranio - Journal of Craniomandibular Practice</i> , 1995 , 13, 152-6	1.2	23
87	Fos- and Jun-related transcription factors are involved in the signal transduction pathway of mechanical loading in condylar chondrocytes. <i>European Journal of Orthodontics</i> , 2006 , 28, 20-6	3.3	22
86	Prevalence of malocclusion traits and orthodontic treatment in a Finnish adult population. <i>Acta Odontologica Scandinavica</i> , 2016 , 74, 362-7	2.2	22
85	Pathways between temporomandibular disorders, occlusal characteristics, facial pain, and oral health-related quality of life among patients with severe malocclusion. <i>European Journal of Orthodontics</i> , 2012 , 34, 512-7	3.3	21
84	Relation of glenoid fossa morphology to mandibulofacial asymmetry, studied in dry human Lapp skulls. <i>Acta Odontologica Scandinavica</i> , 1992 , 50, 235-43	2.2	21
83	Pituitary size and function in children and adolescents with shunted hydrocephalus. <i>Clinical Endocrinology</i> , 1997 , 46, 691-9	3.4	20
82	Management of facial asymmetry. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2007 , 19, 395-422, vi	3.4	20
81	MMP-3 and -8 expression is found in the condylar surface of temporomandibular joints with internal derangement. <i>Journal of Oral Pathology and Medicine</i> , 2005 , 34, 39-45	3.3	20

80	Root resorptions related to ectopic and normal eruption of maxillary canine teeth - A 3D study. <i>Acta Odontologica Scandinavica</i> , 2015 , 73, 609-15	2.2	19
79	Increases in Cranial Volume with Posterior Cranial Vault Distraction in 31 Consecutive Cases. <i>Neurosurgery</i> , 2017 , 81, 803-811	3.2	18
78	Functional alterations in mechanical loading of condylar cartilage induces changes in the bony subcondylar region. <i>Archives of Oral Biology</i> , 2009 , 54, 1035-45	2.8	18
77	The expression of types X and VI collagen and fibrillin in rat mandibular condylar cartilage. Response to mastication forces. <i>Acta Odontologica Scandinavica</i> , 1996 , 54, 295-302	2.2	18
76	Do changes in oral health-related quality-of-life, facial pain and temporomandibular disorders correlate after treatment of severe malocclusion?. <i>Acta Odontologica Scandinavica</i> , 2016 , 74, 44-50	2.2	17
75	Accuracy of measurements used to quantify cranial asymmetry in deformational plagiocephaly. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 1349-1356	3.6	16
74	Short mandible, maxilla and cranial base are common in patients with neurofibromatosis 1. <i>European Journal of Oral Sciences</i> , 2011 , 119, 121-7	2.3	16
73	3-D analysis of facial asymmetry in children with hip dysplasia. <i>Angle Orthodontist</i> , 2010 , 80, 519-24	2.6	16
72	Early headgear effects on the eruption pattern of the maxillary canines. <i>Angle Orthodontist</i> , 2009 , 79, 540-5	2.6	16
71	Differences in biologic response of the mandibular condyle to forward traction or opening of the mandible. An experimental study in the rat. <i>Acta Odontologica Scandinavica</i> , 1996 , 54, 138-44	2.2	16
70	Glycosaminoglycan synthesis in the mandibular condyle during growth adaptation. <i>Cells Tissues Organs</i> , 1994 , 151, 88-96	2.1	16
69	Articular disc and eminence modeling after experimental relocation of the glenoid fossa in growing rabbits. <i>Journal of Dental Research</i> , 1994 , 73, 536-43	8.1	15
68	Relation of the glenoid fossa to craniofacial morphology, studied on dry human skulls. <i>Acta Odontologica Scandinavica</i> , 1990 , 48, 359-64	2.2	15
67	The course of positional cranial deformation from 3 to 12 months of age and associated risk factors: a follow-up with 3D imaging. <i>European Journal of Pediatrics</i> , 2016 , 175, 1893-1903	4.1	14
66	Orthodontists' views on indications for and timing of orthodontic treatment in Finnish public oral health care. <i>European Journal of Orthodontics</i> , 2008 , 30, 46-51	3.3	14
65	Unilateral masticatory function changes the proteoglycan content of mandibular condylar cartilage in rabbit. <i>Cells Tissues Organs</i> , 2000 , 167, 49-57	2.1	14
64	Effect of unilateral masticatory function on craniofacial growth in the rabbit. <i>European Journal of Oral Sciences</i> , 1995 , 103, 106-11	2.3	14
63	Maternal smoking and tooth formation in the foetus. I. Tooth crown size in the deciduous dentition. <i>Early Human Development</i> , 1992 , 30, 49-59	2.2	14

62	Comparing Facial 3D Analysis With DNA Testing to Determine Zygosities of Twins. <i>Twin Research and Human Genetics</i> , 2015 , 18, 306-13	2.2	13
61	Occlusal characteristics in subjects with facial pain compared to a pain-free control group. <i>Cranio - Journal of Craniomandibular Practice</i> , 2006 , 24, 245-51	1.2	13
60	Increased condylar growth after experimental relocation of the glenoid fossa. <i>Journal of Dental Research</i> , 1993 , 72, 1356-9	8.1	12
59	Effect of altered loading on condylar growth in the rat. <i>Acta Odontologica Scandinavica</i> , 1994 , 52, 129-34	2.2	12
58	The effect of removal of all third molars on the dental arches in the third decade of life. <i>Cranio - Journal of Craniomandibular Practice</i> , 1994 , 12, 23-7	1.2	12
57	Pharyngeal airway in children with sleep-disordered breathing in relation to head posture. <i>Sleep and Breathing</i> , 2012 , 16, 737-46	3.1	11
56	Association of risk factors with temporomandibular disorders in the Northern Finland Birth Cohort 1966. <i>Acta Odontologica Scandinavica</i> , 2018 , 76, 525-529	2.2	10
55	Development of a measure for orthodontists to evaluate patient compliance. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 139, 791-6	2.1	10
54	Occlusal asymmetries in children with congenital hip dislocation. <i>European Journal of Orthodontics</i> , 2012 , 34, 307-11	3.3	10
53	Changes in proteoglycan and collagen content in the mandibular condylar cartilage of the rabbit caused by an altered relationship between the condyle and glenoid fossa. <i>European Journal of Orthodontics</i> , 1998 , 20, 435-41	3.3	10
52	Effect of estrogen and altered diet hardness on the expression of estrogen receptor alpha and matrix metalloproteinase-8 in rat condylar cartilage. <i>Journal of Orofacial Pain</i> , 2011 , 25, 261-8		10
51	Asymmetry in the occlusal morphology of first permanent molars in 45,X/46,XX mosaics. <i>Archives of Oral Biology</i> , 1998 , 43, 25-32	2.8	9
50	Combined effects of errors in frontal-view asymmetry diagnosis. <i>European Journal of Orthodontics</i> , 1996 , 18, 629-636	3.3	9
49	Analyzing infant head flatness and asymmetry using kernel density estimation of directional surface data from a craniofacial 3D model. <i>Statistics in Medicine</i> , 2016 , 35, 4891-4904	2.3	9
48	Effect of estrogen and dietary loading on condylar cartilage. <i>Journal of Orofacial Pain</i> , 2012 , 26, 328-36		9
47	The Erasmus programme for postgraduate education in orthodontics in Europe: an update of the guidelines. <i>European Journal of Orthodontics</i> , 2014 , 36, 340-9	3.3	8
46	Midfacial distraction osteogenesis. <i>Atlas of the Oral and Maxillofacial Surgery Clinics of North America</i> , 2008 , 16, 249-72	0.9	8
45	Associations between the location of the glenoid fossa and its remodeling. An experimental study in the rabbit. <i>Acta Odontologica Scandinavica</i> , 1991 , 49, 255-9	2.2	8

44	Does headgear treatment in young children affect the maxillary canine eruption path?. <i>European Journal of Orthodontics</i> , 2018 , 40, 583-591	3.3	7
43	Airway and hard tissue dimensions in children treated with early and later timed cervical headgear-a randomized controlled trial. <i>European Journal of Orthodontics</i> , 2018 , 40, 285-295	3.3	7
42	Trends in finnish public orthodontic care from the professionals perspective. <i>International Journal of Dentistry</i> , 2009 , 2009, 945074	1.9	7
41	The role of occlusion in temporomandibular disorders (TMD) in the Northern Finland Birth Cohort (NFBC) 1966. <i>Cranio - Journal of Craniomandibular Practice</i> , 2019 , 37, 231-237	1.2	7
40	A randomized controlled study of early headgear treatment on occlusal stability--a 13 year follow-up. <i>European Journal of Orthodontics</i> , 2008 , 30, 418-24	3.3	6
39	Dental maturation in children with shunt-treated hydrocephalus. <i>Cleft Palate-Craniofacial Journal</i> , 2004 , 41, 651-4	1.9	6
38	Outcomes of 40 Nonsyndromic Sagittal Craniosynostosis Patients as Adults: A Case-Control Study With 26 Years of Postoperative Follow-up. <i>Operative Neurosurgery</i> , 2019 , 16, 1-8	1.6	6
37	What's in a Smile? Initial Analyses of Dynamic Changes in Facial Shape and Appearance. <i>Journal of Imaging</i> , 2018 , 5,	3.1	5
36	Inter-arch digital model vs. manual cast measurements: Accuracy and reliability. <i>Cranio - Journal of Craniomandibular Practice</i> , 2018 , 36, 222-227	1.2	5
35	Effect of Estrogen and Food Hardness on Metabolism and Turnover of Condylar Cartilage. <i>Journal of Oral and Facial Pain and Headache</i> , 2015 , 29, 297-307	2.5	5
34	MRI of TMJ in patients with severe skeletal malocclusion following surgical/orthodontic treatment. <i>Cranio - Journal of Craniomandibular Practice</i> , 2008 , 26, 182-90	1.2	5
33	The relationship of handedness to asymmetry in the occlusal morphology of first permanent molars. <i>European Journal of Morphology</i> , 2001 , 39, 81-9		5
32	Association of facial sagittal and vertical characteristics with facial aesthetics in the Northern Finland Birth Cohort 1966. <i>European Journal of Orthodontics</i> , 2019 , 41, 279-285	3.3	5
31	MMP-3 and MMP-8 in rat mandibular condylar cartilage associated with dietary loading, estrogen level, and aging. <i>Archives of Oral Biology</i> , 2019 , 97, 238-244	2.8	5
30	Dietary loading and aggrecanase-1/TIMP-3 expression in rat mandibular condylar cartilage. <i>Journal of Orofacial Pain</i> , 2007 , 21, 232-8		5
29	Effect of diet hardness on mandibular condylar cartilage metabolism. <i>Journal of Orofacial Pain</i> , 2011 , 25, 68-74		5
28	Long-term soft-tissue response to orthodontic treatment with early cervical headgear--a randomized study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 135, 586-96	2.1	4
27	Craniofacial Asymmetries in Shunt-Treated Hydrocephalic Children. <i>Cleft Palate-Craniofacial Journal</i> , 1991 , 28, 369-372	1.9	4

26	Influence of overjet and overbite on soft tissue profile in mature adults: A cross-sectional population study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019 , 155, 57-63.e3	2.1	4
25	Gender-specific associations of malocclusion traits with oral health-related quality of life in a Finnish adult population. <i>European Journal of Orthodontics</i> , 2020 , 42, 242-249	3.3	4
24	Impact of force magnitude on effectiveness in cervical headgear therapy: a cephalometric analysis. <i>European Journal of Orthodontics</i> , 2019 , 41, 646-651	3.3	3
23	Changes in Type I and Type II Collagen Expression in Rat Mandibular Condylar Cartilage Associated with Aging and Dietary Loading. <i>Journal of Oral and Facial Pain and Headache</i> , 2018 , 32, 258-265	2.5	3
22	Comparison of effects of cervical headgear treatment on skeletal facial changes when the treatment time is altered: a randomized controlled trial. <i>European Journal of Orthodontics</i> , 2019 , 41, 631-640	3.3	3
21	Dental arch effects after early and later timed cervical headgear treatment-a randomized controlled trial. <i>European Journal of Orthodontics</i> , 2019 , 41, 622-630	3.3	3
20	Double vs single primary tooth extraction in interceptive treatment of palatally displaced canines. <i>Angle Orthodontist</i> , 2020 , 90, 751-757	2.6	3
19	Craniofacial Asymmetry from One to Three Years of Age: A Prospective Cohort Study with 3D Imaging. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	3
18	Dental age assessment on panoramic radiographs: Comparison between two generations of young Finnish subjects. <i>Journal of International Medical Research</i> , 2019 , 47, 311-324	1.4	3
17	Association of temporomandibular disorders with pain sensitivity: A cohort study. <i>European Journal of Pain</i> , 2021 ,	3.7	3
16	World Federation of Orthodontists (WFO) Guidelines for Postgraduate Orthodontic Education. <i>World Journal of Orthodontics</i> , 2009 , 10, 153-66		3
15	Factors Influencing Facial Shape 2018 , 69-81		2
14	A 3D Follow-Up Study of Cranial Asymmetry from Early Infancy to Toddler Age after Preterm versus Term Birth. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	2
13	Craniofacial asymmetries in shunt-treated hydrocephalic children. <i>Cleft Palate-Craniofacial Journal</i> , 1991 , 28, 369-72	1.9	2
12	Exploring the midline soft tissue surface changes from 12 to 15 years of age in three distinct country population cohorts. <i>European Journal of Orthodontics</i> , 2020 , 42, 517-524	3.3	2
11	Effect of cervical headgear on dental arch area, shape and interarch dimensions : A randomized study. <i>Journal of Orofacial Orthopedics</i> , 2021 , 82, 153-162	2.9	2
10	Craniofacial morphology in children of mothers with the m.3243A>G mutation in mitochondrial DNA. <i>Cleft Palate-Craniofacial Journal</i> , 2010 , 47, 234-40	1.9	1
9	Reproducibility of Natural Head Position assessed with stereophotogrammetry. <i>Orthodontics and Craniofacial Research</i> , 2020 , 23, 66-71	3	1

8	Plagiocephaly after Neonatal Developmental Dysplasia of the Hip at School Age. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	1
7	Profile shape variation and sexual dimorphism amongst middle-aged Northern Europeans. <i>European Journal of Orthodontics</i> , 2021 ,	3.3	1
6	Malocclusion severity and its associations with oral health-related quality of life in an adult population. <i>European Journal of Orthodontics</i> , 2021 ,	3.3	1
5	Prevalence of sagittal molar and canine relationships, asymmetries and midline shift in relation to temporomandibular disorders (TMD) in a Finnish adult population.. <i>Acta Odontologica Scandinavica</i> , 2022 , 1-11	2.2	0
4	Associations between Bolton ratio and overjet deviations in a Finnish adult population. <i>Acta Odontologica Scandinavica</i> , 2021 , 79, 593-599	2.2	0
3	The impact of force magnitude on the first and second maxillary molars in cervical headgear therapy. <i>European Journal of Orthodontics</i> , 2021 , 43, 648-657	3.3	0
2	3D photography in cleft patients 2015 , 257-262		
1	Occlusal characteristics in facial pain cases and controls - 12-year follow-up of the Northern Finland Birth Cohort (NFBC) 1966. <i>Cranio - Journal of Craniomandibular Practice</i> , 2020 , 1-7	1.2	