

Pertti M Pirttiniemi

List of Publications by Year in Descending Order

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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 | 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 |
| 114 | Associations between Bolton ratio and overjet deviations in a Finnish adult population. <i>Acta Odontologica Scandinavica</i> , 2021 , 79, 593-599 | 2.2 | 0 |
| 113 | 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 |
| 112 | Profile shape variation and sexual dimorphism amongst middle-aged Northern Europeans. <i>European Journal of Orthodontics</i> , 2021 , | 3.3 | 1 |
| 111 | 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 |
| 110 | Association of temporomandibular disorders with pain sensitivity: A cohort study. <i>European Journal of Pain</i> , 2021 , | 3.7 | 3 |
| 109 | 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 |
| 108 | Double vs single primary tooth extraction in interceptive treatment of palatally displaced canines. <i>Angle Orthodontist</i> , 2020 , 90, 751-757 | 2.6 | 3 |
| 107 | Reproducibility of Natural Head Position assessed with stereophotogrammetry. <i>Orthodontics and Craniofacial Research</i> , 2020 , 23, 66-71 | 3 | 1 |
| 106 | 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 |
| 105 | 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 | |
| 104 | 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 |
| 103 | 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 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |

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| 98 | Plagiocephaly after Neonatal Developmental Dysplasia of the Hip at School Age. <i>Journal of Clinical Medicine</i> , 2019 , 9, | 5.1 | 1 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |
| 93 | 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 |
| 92 | 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 |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | Factors Influencing Facial Shape 2018 , 69-81 | | 2 |
| 85 | 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 |
| 84 | 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 |
| 83 | Increases in Cranial Volume with Posterior Cranial Vault Distraction in 31 Consecutive Cases. <i>Neurosurgery</i> , 2017 , 81, 803-811 | 3.2 | 18 |
| 82 | 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 |
| 81 | 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 |

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| 80 | 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 |
| 79 | Prevalence of malocclusion traits and orthodontic treatment in a Finnish adult population. <i>Acta Odontologica Scandinavica</i> , 2016 , 74, 362-7 | 2.2 | 22 |
| 78 | 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 |
| 77 | Preventing deformational plagiocephaly through parent guidance: a randomized, controlled trial. <i>European Journal of Pediatrics</i> , 2015 , 174, 1197-208 | 4.1 | 39 |
| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | 3D photography in cleft patients 2015 , 257-262 | | |
| 72 | Cranial shape, size and cervical motion in normal newborns. <i>Early Human Development</i> , 2014 , 90, 425-30 | 2.2 | 30 |
| 71 | 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 |
| 70 | 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 |
| 69 | Three-dimensional longitudinal assessment of facial symmetry in adolescents. <i>European Journal of Orthodontics</i> , 2013 , 35, 143-51 | 3.3 | 38 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | Occlusal asymmetries in children with congenital hip dislocation. <i>European Journal of Orthodontics</i> , 2012 , 34, 307-11 | 3.3 | 10 |
| 63 | Effect of estrogen and dietary loading on condylar cartilage. <i>Journal of Orofacial Pain</i> , 2012 , 26, 328-36 | | 9 |

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| 62 | 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 |
| 61 | 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 |
| 60 | Validity of upper airway assessment in children: a clinical, cephalometric, and MRI study. <i>Angle Orthodontist</i> , 2011 , 81, 433-9 | 2.6 | 53 |
| 59 | Effect of diet hardness on mandibular condylar cartilage metabolism. <i>Journal of Orofacial Pain</i> , 2011 , 25, 68-74 | | 5 |
| 58 | 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 |
| 57 | Quality of life in patients with severe malocclusion before treatment. <i>European Journal of Orthodontics</i> , 2010 , 32, 43-8 | 3.3 | 56 |
| 56 | Cephalometric evaluation of children with nocturnal sleep-disordered breathing. <i>European Journal of Orthodontics</i> , 2010 , 32, 662-71 | 3.3 | 52 |
| 55 | 3-D analysis of facial asymmetry in children with hip dysplasia. <i>Angle Orthodontist</i> , 2010 , 80, 519-24 | 2.6 | 16 |
| 54 | 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 |
| 53 | Trends in finnish public orthodontic care from the professionals perspective. <i>International Journal of Dentistry</i> , 2009 , 2009, 945074 | 1.9 | 7 |
| 52 | Dental arch morphology in children with sleep-disordered breathing. <i>European Journal of Orthodontics</i> , 2009 , 31, 160-7 | 3.3 | 85 |
| 51 | Early headgear effects on the eruption pattern of the maxillary canines. <i>Angle Orthodontist</i> , 2009 , 79, 540-5 | 2.6 | 16 |
| 50 | 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 |
| 49 | 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 |
| 48 | Abnormal mandibular growth and the condylar cartilage. <i>European Journal of Orthodontics</i> , 2009 , 31, 1-11 | 3.3 | 68 |
| 47 | World Federation of Orthodontists (WFO) Guidelines for Postgraduate Orthodontic Education. <i>World Journal of Orthodontics</i> , 2009 , 10, 153-66 | | 3 |
| 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 | 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 |

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| 44 | 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 |
| 43 | 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 |
| 42 | Management of facial asymmetry. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2007 , 19, 395-422, vi | 3.4 | 20 |
| 41 | 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 |
| 40 | Dietary loading and aggrecanase-1/TIMP-3 expression in rat mandibular condylar cartilage. <i>Journal of Orofacial Pain</i> , 2007 , 21, 232-8 | | 5 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | Dental maturation in children with shunt-treated hydrocephalus. <i>Cleft Palate-Craniofacial Journal</i> , 2004 , 41, 651-4 | 1.9 | 6 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Normal and increased functional asymmetries in the craniofacial area. <i>Acta Odontologica Scandinavica</i> , 1998 , 56, 342-5 | 2.2 | 38 |

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| 26 | 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 |
| 25 | 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 |
| 24 | Pituitary size and function in children and adolescents with shunted hydrocephalus. <i>Clinical Endocrinology</i> , 1997 , 46, 691-9 | 3.4 | 20 |
| 23 | 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 |
| 22 | 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 |
| 21 | Combined effects of errors in frontal-view asymmetry diagnosis. <i>European Journal of Orthodontics</i> , 1996 , 18, 629-636 | 3.3 | 9 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Glycosaminoglycan synthesis in the mandibular condyle during growth adaptation. <i>Cells Tissues Organs</i> , 1994 , 151, 88-96 | 2.1 | 16 |
| 16 | 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 |
| 15 | Effect of altered loading on condylar growth in the rat. <i>Acta Odontologica Scandinavica</i> , 1994 , 52, 129-34 | 2.2 | 12 |
| 14 | Associations of mandibular and facial asymmetries--a review. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 1994 , 106, 191-200 | 2.1 | 92 |
| 13 | 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 |
| 12 | 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 |
| 11 | Increased condylar growth after experimental relocation of the glenoid fossa. <i>Journal of Dental Research</i> , 1993 , 72, 1356-9 | 8.1 | 12 |
| 10 | 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 |
| 9 | 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 |

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|---|---|-----|-----|
| 8 | 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 |
| 7 | Craniofacial Asymmetries in Shunt-Treated Hydrocephalic Children. <i>Cleft Palate-Craniofacial Journal</i> , 1991 , 28, 369-372 | 1.9 | 4 |
| 6 | 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 |
| 5 | Relationships of bicondylar position to occlusal asymmetry. <i>European Journal of Orthodontics</i> , 1991 , 13, 441-5 | 3.3 | 46 |
| 4 | Craniofacial asymmetries in shunt-treated hydrocephalic children. <i>Cleft Palate-Craniofacial Journal</i> , 1991 , 28, 369-72 | 1.9 | 2 |
| 3 | 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 |
| 2 | 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 |
| 1 | Head posture and dentofacial asymmetries in surgically treated muscular torticollis patients. <i>Acta Odontologica Scandinavica</i> , 1989 , 47, 193-7 | 2.2 | 26 |