

## Web of Science statistics

- Total items: 32
- h-index: 7
- Total times cited: 120 (102 without self-citations)

## Journal articles

1. Markéta Čechová, Ján Dupej, Jaroslav Brůžek, Šárka Bejdová, Martin Horák, and Jana Velemínská. Sex estimation using external morphology of the frontal bone and frontal sinuses in a contemporary czech population. *International Journal of Legal Medicine*, 133(4):1285–1294, 2019
2. Barbora Musilová, Ján Dupej, Jaroslav Brůžek, Šárka Bejdová, and Jana Velemínská. Sex and ancestry related differences between two central european populations determined using exocranial meshes. *Forensic Science International*, 297:364 – 369, 2019
3. Jana Koudelová, Eva Hoffmannová, Ján Dupej, and Velemínská Jana. Simulation of facial growth based on longitudinal data: Age progression and age regression between 7 and 17 years of age using 3d surface data. *PLoS ONE*, 14(2), 2019
4. Martina Čaplovičová, Veronika Moslerová, Ján Dupej, Milan Macek, Dana Zemková, Eva Hoffmannová, Markéta Havlovicová, and Jana Velemínská. Modeling age-specific facial development in Williams–Beuren-, Noonan-, and 22q11.2 deletion syndromes in cohorts of Czech patients aged 3—18 years: A cross-sectional three-dimensional geometric morphometry analysis of their facial gestalt. *American Journal of Medical Genetics Part A*, 176(12):2604–2613, 2018
5. Jan Cvrček, Petr Velemínský, Ján Dupej, Luboš Vostrý, and Jaroslav Brůžek. Kinship and morphological similarity in the skeletal remains of individuals with known genealogical data (Bohemia, 19th to 20th centuries): A new methodological approach. *American Journal of Physical Anthropology*, 167(3):541–556, 2018
6. Alizé Lacoste Jeanson, Frédéric Santos, Ján Dupej, Jana Velemínská, and Jaroslav Brůžek. Sex-specific functional adaptation of the femoral diaphysis to body composition. *American Journal of Human Biology*, 30(4):e23123, 2018
7. Eva Hoffmannová, Veronika Moslerová, Ján Dupej, Jiří Borský, Šárka Bejdová, and Jana Velemínská. Three-dimensional development of the upper dental arch in unilateral cleft lip and palate patients after early neonatal cheiloplasty. *International Journal of Pediatric Otorhinolaryngology*, 109:1 – 6, 2018

8. Veronika Moslerová, Martina Dadáková, Ján Dupej, Eva Hoffmannová, Jiří Borský, Miloš Černý, Přemysl Bejda, Karolína Kočandrlová, and Jana Velemínská. Three-dimensional assessment of facial asymmetry in preschool patients with orofacial clefts after neonatal cheiloplasty. *International Journal of Pediatric Otorhinolaryngology*, 108:40 – 45, 2018
9. Šárka Bejdová, Ján Dupej, Václav Krajíček, Jana Velemínská, and Petr Velemínský. Stability of upper face sexual dimorphism in central european populations (czech republic) during the modern age. *International Journal of Legal Medicine*, 132(1):321–330, 2018
10. Ján Dupej, Alizé Lacoste Jeanson, Josef Pelikán, and Jaroslav Brůžek. Semiautomatic extraction of cortical thickness and diaphyseal curvature from ct scans. *American Journal of Physical Anthropology*, 164(4):868–876, 2017
11. Alexandra Ibrová, Ján Dupej, Petra Stránská, Petr Velemínský, Lumír Poláček, and Jana Velemínská. Facial skeleton asymmetry and its relationship to mastication in the early medieval period (great moravian empire, mikulčice, 9th–10th century). *Archives of Oral Biology*, 84:64 – 73, 2017
12. Alizé Lacoste Jeanson, Frédéric Santos, Chiara Villa, Ján Dupej, Niels Lynnerup, and Jaroslav Brůžek. Body mass estimation from the skeleton: An evaluation of 11 methods. *Forensic Science International*, 281:183.e1 – 183.e8, 2017
13. Alizé Lacoste Jeanson, Ján Dupej, Chiara Villa, and Jaroslav Brůžek. Body composition estimation from selected slices: equations computed from a new semi-automatic thresholding method developed on whole-body ct scans. *PeerJ*, 5, 2017
14. Rebeka Rmoutilová, Ján Dupej, Jana Velemínská, and Jaroslav Brůžek. Geometric morphometric and traditional methods for sex assessment using the posterior ilium. *Legal Medicine*, 26:52 – 61, 2017
15. Anežka Kotěrová, Jana Velemínská, Ján Dupej, Hana Brzobohatá, Aleš Pilný, and Jaroslav Brůžek. Disregarding population specificity: its influence on the sex assessment methods from the tibia. *International Journal of Legal Medicine*, 131(1):251–261, 2017
16. Barbora Musilová, Ján Dupej, Jana Velemínská, Kathia Chaumoitre, and Jaroslav Brůžek. Exocranial surfaces for sex assessment of the human cranium. *Forensic Science International*, 269:70 – 77, 2016
17. Eva Hoffmannová, Šárka Bejdová, Jiří Borský, Ján Dupej, Veronika Cagaňová, and Jana Velemínská. Palatal growth in complete unilateral cleft lip and palate patients following neonatal cheiloplasty: Classic and geometric morphometric assessment. *International Journal of Pediatric Otorhinolaryngology*, 90:71 – 76, 2016

18. Martina Dadáková, Veronika Cagaňová, Ján Dupej, Eva Hoffmannová, Jiří Borský, and Jana Velemínská. Three-dimensional evaluation of facial morphology in pre-school cleft patients following neonatal cheiloplasty. *Journal of Cranio-Maxillofacial Surgery*, 44(9):1109 – 1116, 2016
19. Anna Drgáčová, Ján Dupej, and Jana Velemínská. Facial soft tissue thicknesses in the present czech population. *Forensic Science International*, 260:106.e1 – 106.e7, 2016
20. Ján Dupej, Václav Krajíček, and Josef Pelikán. Low-rank approximations for coherent point drift. *Pattern Recognition Letters*, 52:53–58, 2015
21. Miriama Mydlová, Ján Dupej, Jana Koudelová, and Jana Velemínská. Sexual dimorphism of facial appearance in ageing human adults: A cross-sectional study. *Forensic science international*, 257:519.e1—519.e9, December 2015
22. Jana Koudelová, Ján Dupej, Jaroslav Bružek, Petr Sedlak, and Jana Velemínská. Modelling of facial growth in czech children based on longitudinal data: Age progression from 12 to 15 years using 3d surface models. *Forensic Science International*, 248:33 – 40, 2015
23. Jana Velemínská, Václav Krajíček, Ján Dupej, Jorge a Gómez-Valdés, Petr Velemínský, Alena Šefčáková, Josef Pelikán, Gabriela Sánchez-Mejorada, and Jaroslav Bružek. Technical note: geometric morphometrics and sexual dimorphism of the greater sciatic notch in adults from two skeletal collections: the accuracy and reliability of sex classification. *American journal of physical anthropology*, 152(4):558–65, December 2013
24. V. Krajíček, J. Dupej, J. Velemínská, and J. Pelikán. Morphometric analysis of mesh asymmetry. *Journal of WSCG*, 20(1):65–72, 2012

## Book chapters

1. Ján Dupej, Gizéh Rangel de Lazaro, Ana Sofia Pereira-Pedro, Hana Píšová, Josef Pelikán, and Emiliano Bruner. Comparing endocranial surfaces: Mesh superimposition and coherent point drift registration. In Emiliano Bruner, Naomichi Ogihara, and Hiroki C. Tanabe, editors, *Digital Endocasts: Replacement of Neanderthals by Modern Humans*, chapter 10, pages 143–. Springer Japan KK, 2018
2. Ján Dupej and Martin Odler. Morphometrical and statistical case study of old kingdom adze blades. In Martin Odler, editor, *Old Kingdom Copper Tools and Model Tools*, chapter 11.2, pages 248–260. Archaeopress Publishing Ltd., 2016

## Selected posters

1. Ján Dupej, Václav Krajiček, Jana Velemínská, and Josef Pelikán. Statistical mesh shape analysis with nonlandmark nonrigid registration. 2014. Poster presented at 12th Symposium on Geometry Processing, 9-11 Jul 2014, Cardiff, UK