Roelof-Jan Oostra

List of Publications by Year in Descending Order

91 papers	1,724 citations	22 h-index	38 g-index
98 ext. papers	2,005 ext. citations	4 avg, IF	4.38 L-index

#	Paper	IF	Citations
91	Gunshot trauma in human long bones: towards practical diagnostic guidance for forensic anthropologists.. *Forensic Science, Medicine, and Pathology*, **2022**, 1	1.5	0
90	Mechanical or thermal damage: differentiating between underlying mechanisms as a cause of bone fractures.. *International Journal of Legal Medicine*, **2022**, 1	3.1	
89	Individualised and non-contact post-mortem interval determination of human bodies using visible and thermal 3D imaging. *Nature Communications*, **2021**, 12, 5997	17.4	3
88	Midline crossing pulmonary vein: right upper lobe dual venous drainage, with partial anomalous venous return of the right lung into a persistent left superior vena cava. *Surgical and Radiologic Anatomy*, **2021**, 1	1.4	
87	The triangular fibrocartilage complex on high-resolution 3 T MRI in healthy adolescents: the thin line between asymptomatic findings and pathology. *Skeletal Radiology*, **2021**, 50, 2195-2204	2.7	2
86	Dutch teratological collections and their artistic portrayals. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2021**, 187, 283-295	3.1	4
85	Phosphorescence of thermally altered human bone. *International Journal of Legal Medicine*, **2021**, 135, 1025-1034	3.1	1
84	Development pattern of tracheal cartilage in human embryos. *Clinical Anatomy*, **2021**, 34, 668-672	2.5	2
83	Characterizing the coalescence area of conjoined twins to elucidate congenital disorders in singletons. *Clinical Anatomy*, **2021**, 34, 845-858	2.5	3
82	Higher spatial resolution improves the interpretation of the extent of ventricular trabeculation. *Journal of Anatomy*, **2021**,	2.9	1
81	The applicability of forensic time since death estimation methods for buried bodies in advanced decomposition stages. *PLoS ONE*, **2020**, 15, e0243395	3.7	6
80	The distal radial physis: Exploring normal anatomy on MRI enables interpretation of stress related changes in young gymnasts. *European Journal of Sport Science*, **2020**, 20, 1197-1205	3.9	3
79	Bilateral symmetry of the subtalar joint facets and the relationship between the morphology and osteoarthritic changes. *Clinical Anatomy*, **2020**, 33, 997-1006	2.5	1
78	Amsterdam Research Initiative for Sub-surface Taphonomy and Anthropology (ARISTA) - A taphonomic research facility in the Netherlands for the study of human remains. *Forensic Science International*, **2020**, 317, 110483	2.6	3
77	Virtual forensic anthropology: The accuracy of osteometric analysis of 3D bone models derived from clinical computed tomography (CT) scans. *Forensic Science International*, **2019**, 304, 109963	2.6	14
76	The accuracy of 3D virtual bone models of the pelvis for morphological sex estimation. *International Journal of Legal Medicine*, **2019**, 133, 1853-1860	3.1	14
75	The Pronephros; a Fresh Perspective. *Integrative and Comparative Biology*, **2019**, 59, 29-47	2.8	1

74	Comment on 'A DNA extraction method for small quantities of bone for high-qualitygenotyping' by Caputo et al. *Forensic Science International: Genetics*, **2019**, 40, e243-e244	4.3	2
73	Single origin of the epithelium of the human middle ear. *Mechanisms of Development*, **2019**, 158, 103556	1.7	5
72	Sinus venosus incorporation: contentious issues and operational criteria for developmental and evolutionary studies. *Journal of Anatomy*, **2019**, 234, 583-591	2.9	6
71	GATA6 mutations: Characterization of two novel patients and a comprehensive overview of the GATA6 genotypic and phenotypic spectrum. *American Journal of Medical Genetics, Part A*, **2019**, 179, 1836-1845	2.5	6
70	Colourimetric analysis of thermally altered human bone samples. *Scientific Reports*, **2019**, 9, 8923	4.9	10
69	Study on the three-dimensional orientation of the posterior facet of the subtalar joint using simulated weight-bearing CT. *Journal of Orthopaedic Research*, **2019**, 37, 197-204	3.8	15
68	Estimation of the postmortem interval based on the human decomposition process. *Journal of Clinical Forensic and Legal Medicine*, **2019**, 61, 122-127	1.7	11
67	Homozygous DMRT2 variant associates with severe rib malformations in a newborn. *American Journal of Medical Genetics, Part A*, **2018**, 176, 1216-1221	2.5	9
66	History and highlights of the teratological collection in the Museum Anatomicum of Leiden University, The Netherlands. *American Journal of Medical Genetics, Part A*, **2018**, 176, 618-637	2.5	4
65	Dutch population specific sex estimation formulae using the proximal femur. *Forensic Science International*, **2018**, 286, 268.e1-268.e8	2.6	14
64	Hitherto unknown detailed muscle anatomy in an 8-week-old embryo. *Journal of Anatomy*, **2018**, 233, 243-254	2.9	8
63	The development of the human notochord. *PLoS ONE*, **2018**, 13, e0205752	3.7	18
62	The geometrical precision of virtual bone models derived from clinical computed tomography data for forensic anthropology. *International Journal of Legal Medicine*, **2017**, 131, 1155-1163	3.1	27
61	The dimensions of the tarsal sinus and canal in different foot positions and its clinical implications. *Clinical Anatomy*, **2017**, 30, 1049-1057	2.5	3
60	The effect of repeated freeze-thaw cycles on human muscle tissue visualized by postmortem computed tomography (PMCT). *Clinical Anatomy*, **2017**, 30, 799-804	2.5	6
59	Temperature estimations of heated bone: A questionnaire-based study of accuracy and precision of interpretation of bone colour by forensic and physical anthropologists. *Legal Medicine*, **2017**, 29, 22-28	1.9	9
58	Single-site neural tube closure in human embryos revisited. *Clinical Anatomy*, **2017**, 30, 988-999	2.5	6
57	Luminescence of thermally altered human skeletal remains. *International Journal of Legal Medicine*, **2017**, 131, 1165-1177	3.1	8

56	Frederik Ruysch (1638-1731): Historical perspective and contemporary analysis of his teratological legacy. *American Journal of Medical Genetics, Part A*, **2017**, 173, 16-41	2.5	12
55	Evaluation of collimated polarized light imaging for real-time intraoperative selective nerve identification in the human hand. *Biomedical Optics Express*, **2017**, 8, 4122-4134	3.5	5
54	Detection of G1138A Mutation of the FGFR3 Gene in Tooth Material from a 180-Year-Old Museological Achondroplastic Skeleton. *Genes*, **2017**, 8,	4.2	2
53	Paleodysmorphology and paleoteratology: Diagnosing and interpreting congenital conditions of the skeleton in anthropological contexts. *Clinical Anatomy*, **2016**, 29, 878-91	2.5	3
52	An interactive three-dimensional digital atlas and quantitative database of human development. *Science*, **2016**, 354,	33.3	98
51	The hypertrabeculated (noncompacted) left ventricle is different from the ventricle of embryos and ectothermic vertebrates. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 1696-706	4.9	29
50	Prenatal Evidence of Persistent Notochord and Absent Sacrum Caused by a Mutation in the T (Brachyury) Gene. *Case Reports in Obstetrics and Gynecology*, **2016**, 2016, 7625341	0.8	2
49	When the right (Drug) should be left: Prenatal drug exposure and heterotaxy syndrome. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2016**, 106, 573-9		4
48	Pectus excavatum and carinatum. *European Journal of Medical Genetics*, **2014**, 57, 414-7	2.6	46
47	Mutations in the T (brachyury) gene cause a novel syndrome consisting of sacral agenesis, abnormal ossification of the vertebral bodies and a persistent notochordal canal. *Journal of Medical Genetics*, **2014**, 51, 90-7	5.8	28
46	Development of a mRNA profiling multiplex for the inference of organ tissues. *International Journal of Legal Medicine*, **2013**, 127, 891-900	3.1	38
45	Postmortem imaging exposed: an aid in MR imaging of musculoskeletal structures. *Skeletal Radiology*, **2013**, 42, 467-72	2.7	13
44	A review of the embryological development and associated developmental abnormalities of the sternum in the light of a rare palaeopathological case of sternal clefting. *HOMO- Journal of Comparative Human Biology*, **2013**, 64, 129-41	0.5	16
43	Development of the hearts of lizards and snakes and perspectives to cardiac evolution. *PLoS ONE*, **2013**, 8, e63651	3.7	37
42	Towards a 3-dimensional atlas of the developing human embryo: the Amsterdam experience. *Reproductive Toxicology*, **2012**, 34, 225-36	3.4	25
41	Absence of the spleen(s) in conjoined twins: a diagnostic clue of laterality defects? Radiological study of historical specimens. *Pediatric Radiology*, **2012**, 42, 653-9	2.8	4
40	3D Atlas of the developing human. *FASEB Journal*, **2012**, 26, 530.6	0.9	
39	Abnormal growth of the proximal femur due to apophyseal-epiphyseal coalescence resulting in coxa valga--a report of two cases in adolescents. *Monthly Notices of the Royal Astronomical Society: Letters*, **2011**, 82, 507-9	4.3	6

38	Lessons from BWS twins: complex maternal and paternal hypomethylation and a common source of haematopoietic stem cells. *European Journal of Human Genetics*, **2009**, 17, 1625-34	5.3	85
37	The anatomy in relation to injury of the lateral collateral ligaments of the ankle: a current concepts review. *Clinical Anatomy*, **2008**, 21, 619-26	2.5	83
36	Unilateral partial absence of the fallopian tube in Williams syndrome: a new feature?. *Clinical Dysmorphology*, **2007**, 16, 195-196	0.9	
35	Trapezius aplasia: indications for a dual developmental origin of the trapezius muscle. *Clinical Anatomy*, **2006**, 19, 547-9	2.5	10
34	Bifid ribs and unusual vertebral anomalies diagnosed in an anatomical specimen. Gorlin syndrome?. *American Journal of Medical Genetics, Part A*, **2006**, 140, 2135-8	2.5	8
33	Segmentation anomalies of vertebrae and ribs with other abnormalities of blastogenesis: syndromes or associations?. *Fetal and Pediatric Pathology*, **2005**, 24, 331-45	1.7	2
32	Malformations of the axial skeleton in Museum Vrolik I: homeotic transformations and numerical anomalies. *American Journal of Medical Genetics, Part A*, **2005**, 134, 268-81	2.5	16
31	Malformations of the axial skeleton in the museum Vrolik: II: craniosynostoses and suture-related conditions. *American Journal of Medical Genetics, Part A*, **2005**, 136A, 327-42	2.5	15
30	In patients with pseudoxanthoma elasticum a thicker and more elastic carotid artery is associated with elastin fragmentation and proteoglycans accumulation. *Ultrasound in Medicine and Biology*, **2004**, 30, 1041-8	3.5	34
29	Thanatophoric dysplasia type II with encephalocele and aortic hypoplasia diagnosed in an anatomical specimen. *American Journal of Medical Genetics Part A*, **2003**, 118A, 64-7		9
28	Sequence analysis of the mitochondrial genomes from Dutch pedigrees with Leber hereditary optic neuropathy. *American Journal of Human Genetics*, **2003**, 72, 1460-9	11	98
27	Blomstrand osteochondrodysplasia: three novel cases and histological evidence for heterogeneity. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2000**, 436, 28-35	5.1	41
26	A 100-year-old anatomical specimen presenting with boomerang-like skeletal dysplasia: diagnostic strategies and outcome. *American Journal of Medical Genetics Part A*, **1999**, 85, 134-9		9
25	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. I: Syndromes with multiple congenital anomalies. *American Journal of Medical Genetics Part A*, **1998**, 77, 100-115		34
24	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. II: Skeletal dysplasias. *American Journal of Medical Genetics Part A*, **1998**, 77, 116-134		43
23	Historical aspects of the study of malformations in The Netherlands. *American Journal of Medical Genetics Part A*, **1998**, 77, 91-99		20
22	Severe acrofacial dysostosis with orofacial clefting and tetraphocomelia diagnosed in the plaster cast of a 100-year-old anatomical specimen. *American Journal of Medical Genetics Part A*, **1998**, 78, 195-7		16
21	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. III: primary field defects, sequences, and other complex anomalies. *American Journal of Medical Genetics Part A*, **1998**, 80, 46-59		15

20	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. IV: closure defects of the neural tube. *American Journal of Medical Genetics Part A*, **1998**, 80, 60-73		13
19	Congenital anomalies in the teratological collection of museum Vrolik in Amsterdam, the Netherlands. v: conjoined and acardiac twins. *American Journal of Medical Genetics Part A*, **1998**, 80, 74-89		21
18	Reply to Hofmann et al. *American Journal of Human Genetics*, **1998**, 62, 492-5	11	7
17	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. I: Syndromes with multiple congenital anomalies. *American Journal of Medical Genetics Part A*, **1998**, 77, 100-15		1
16	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. II: Skeletal dysplasias. *American Journal of Medical Genetics Part A*, **1998**, 77, 116-34		2
15	Congenital anomalies in the teratological collection of Museum Vrolik in Amsterdam, The Netherlands. V: conjoined and acardiac twins. *American Journal of Medical Genetics Part A*, **1998**, 80, 74-89		4
14	A gene for X-linked optic atrophy is closely linked to the Xp11.4-Xp11.2 region of the X chromosome. *American Journal of Human Genetics*, **1997**, 61, 934-9	11	52
13	Smith-Lemli-Opitz syndrome diagnosed in a 130-year-old anatomical specimen. *American Journal of Medical Genetics Part A*, **1997**, 68, 257-9		18
12	On the many faces of Leber hereditary optic neuropathy. *Clinical Genetics*, **1997**, 51, 388-93	4	8
11	No evidence for 'skewed' inactivation of the X-chromosome as cause of Leber's hereditary optic neuropathy in female carriers. *Human Genetics*, **1996**, 97, 500-5	6.3	31
10	Primary pathogenic mtDNA mutations in multigeneration pedigrees with Leber hereditary optic neuropathy. *American Journal of Human Genetics*, **1996**, 59, 481-5	11	221
9	No evidence for □kewed□nactivation of the X-chromosome as cause of Leber's hereditary optic neuropathy in female carriers **1996**, 97, 500		1
8	Leber's hereditary optic neuropathy: implications of the sex ratio for linkage studies in families with the 3460 ND1 mutation. *Eye*, **1995**, 9 (Pt 4), 513-6	4.4	16
7	The mitochondrial DNA mutation ND6*14,484C associated with leber hereditary optic neuropathy, leads to deficiency of complex I of the respiratory chain. *Biochemical and Biophysical Research Communications*, **1995**, 215, 1001-5	3.4	37
6	Simultaneous occurrence of the 11778 (ND4) and the 9438 (COX III) mtDNA mutations in Leber hereditary optic neuropathy: molecular, biochemical, and clinical findings. *American Journal of Human Genetics*, **1995**, 57, 954-7	11	7
5	Leber's hereditary optic neuropathy: correlations between mitochondrial genotype and visual outcome. *Journal of Medical Genetics*, **1994**, 31, 280-6	5.8	76
4	Leber's hereditary optic neuropathy: no significant evidence for primary or secondary pathogenicity of the 15257 mutation. *Human Genetics*, **1994**, 94, 265-70	6.3	35
3	Brachmann-de Lange syndrome "avant la lettre". *American Journal of Medical Genetics Part A*, **1994**, 52, 267-8		28

2	Mitochondrial DNA analysis as a diagnostic tool in singleton cases of Leber's hereditary optic neuropathy. *Ophthalmic Paediatrics and Genetics*, **1993**, 14, 109-15		6
1	Respiratory chain function in Leber's hereditary optic neuropathy: lack of correlation with clinical disease. *Journal of Inherited Metabolic Disease*, **1993**, 16, 531-3	5·4	7