

Shigehito Yamada

List of Publications by Year in descending order

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Version: 2024-02-01

139
papers

1,962
citations

304368

22
h-index

360668

35
g-index

142
all docs

142
docs citations

142
times ranked

2008
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Analysis of Human Laryngeal and Tracheobronchial Cartilages during the Late Embryonic and Early Fetal Period. <i>Cells Tissues Organs</i> , 2022, 211, 1-15.	1.3	3
2	Novel gait training using a dual-belt treadmill in older adults: A randomized controlled trial. <i>Archives of Gerontology and Geriatrics</i> , 2022, 98, 104573.	1.4	1
3	MCA-Based Embryology and Embryo Imaging. , 2022, , 121-130.		0
4	Different modulation of oscillatory common neural drives to ankle muscles during abrupt and gradual gait adaptations. <i>Experimental Brain Research</i> , 2022, 240, 871-886.	0.7	5
5	Application of geometric morphometrics for facial congenital anomaly studies. <i>Congenital Anomalies (discontinued)</i> , 2022, 62, 88-95.	0.3	6
6	The first 3D analysis of the sphenoid morphogenesis during the human embryonic period. <i>Scientific Reports</i> , 2022, 12, 5259.	1.6	4
7	Human shoulder development is adapted to obstetrical constraints. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114935119.	3.3	3
8	Nascent nephrons during human embryonic development: Spatial distribution and relationship with urinary collecting system. <i>Journal of Anatomy</i> , 2021, 238, 455-466.	0.9	1
9	Bronchial tree of the human embryo: Categorization of the branching mode as monopodial and dipodial. <i>PLoS ONE</i> , 2021, 16, e0245558.	1.1	6
10	Morphology and morphometry of the human early foetal brain: A three-dimensional analysis. <i>Journal of Anatomy</i> , 2021, 239, 498-516.	0.9	8
11	A 3D analysis of growth trajectory and integration during early human prenatal facial growth. <i>Scientific Reports</i> , 2021, 11, 6867.	1.6	6
12	The development of the tensor vastus intermedius during the human embryonic period and its clinical implications. <i>Journal of Anatomy</i> , 2021, 239, 583-588.	0.9	2
13	Early development of the cortical layers in the human brain. <i>Journal of Anatomy</i> , 2021, 239, 1039-1049.	0.9	6
14	Influencing kinetic energy using ankle-foot orthoses to help improve walking after stroke. <i>Prosthetics and Orthotics International</i> , 2021, Publish Ahead of Print, 513-520.	0.5	3
15	Upper arm posture during human embryonic and fetal development. <i>Anatomical Record</i> , 2021, , .	0.8	2
16	Position of the cecum in the extraembryonic and abdominal coelom in the early fetal period. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 87-88.	0.3	0
17	Vesicular swelling in the cervical region with lymph sac formation in human embryos. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 62-67.	0.3	2
18	Relationship between rectal abdominis muscle position and physiological umbilical herniation and return: A morphological and morphometric study. <i>Anatomical Record</i> , 2020, 303, 3044-3051.	0.8	3

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19	Gait-synchronized oscillatory brain stimulation modulates common neural drives to ankle muscles in patients after stroke: A pilot study. <i>Neuroscience Research</i> , 2020, 156, 256-264.	1.0	10
20	Development of Helical Myofiber Tracts in the Human Fetal Heart: Analysis of Myocardial Fiber Formation in the Left Ventricle From the Late Human Embryonic Period Using Diffusion Tensor Magnetic Resonance Imaging. <i>Journal of the American Heart Association</i> , 2020, 9, e016422.	1.6	12
21	Gait-combined transcranial alternating current stimulation modulates cortical control of muscle activities during gait. <i>European Journal of Neuroscience</i> , 2020, 52, 4791-4802.	1.2	12
22	Shoulder girdle formation and positioning during embryonic and early fetal human development. <i>PLoS ONE</i> , 2020, 15, e0238225.	1.1	6
23	Classification of the "human tail": Correlation between position, associated anomalies, and causes. <i>Clinical Anatomy</i> , 2020, 33, 929-942.	1.5	11
24	Perinatal benign hypophosphatasia antenatally diagnosed through measurements of parental serum alkaline phosphatase and ultrasonography. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 199-200.	0.3	1
25	Immediate Effect on Ground Reaction Forces Induced by Step Training Based on Discrete Skill during Gait in Poststroke Individuals: A Pilot Study. <i>Rehabilitation Research and Practice</i> , 2020, 2020, 1-8.	0.5	1
26	Three-dimensional morphogenesis of the omental bursa from four recesses in staged human embryos. <i>Journal of Anatomy</i> , 2020, 237, 166-175.	0.9	6
27	The bronchial tree of the human embryo: an analysis of variations in the bronchial segments. <i>Journal of Anatomy</i> , 2020, 237, 311-322.	0.9	12
28	Shoulder girdle formation and positioning during embryonic and early fetal human development. , 2020, 15, e0238225.		0
29	Shoulder girdle formation and positioning during embryonic and early fetal human development. , 2020, 15, e0238225.		0
30	Shoulder girdle formation and positioning during embryonic and early fetal human development. , 2020, 15, e0238225.		0
31	Shoulder girdle formation and positioning during embryonic and early fetal human development. , 2020, 15, e0238225.		0
32	Relationship Between Physiological Umbilical Herniation and Liver Morphogenesis During the Human Embryonic Period: A Morphological and Morphometric Study. <i>Anatomical Record</i> , 2019, 302, 1968-1976.	0.8	5
33	Non-rigid registration of serial section images by blending transforms for 3D reconstruction. <i>Pattern Recognition</i> , 2019, 96, 106956.	5.1	22
34	Rib Cage Morphogenesis in the Human Embryo: A Detailed Three-Dimensional Analysis. <i>Anatomical Record</i> , 2019, 302, 2211-2223.	0.8	13
35	Human embryonic ribs all progress through common morphological forms irrespective of their position on the axis. <i>Developmental Dynamics</i> , 2019, 248, 1257-1263.	0.8	3
36	Morphogenesis of the femur at different stages of normal human development. <i>PLoS ONE</i> , 2019, 14, e0221569.	1.1	15

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37	Return of the intestinal loop to the abdominal coelom after physiological umbilical herniation in the early fetal period. <i>Journal of Anatomy</i> , 2019, 234, 456-464.	0.9	12
38	Analysis of facial skeletal asymmetry during foetal development using μ CT imaging. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 199-206.	1.2	6
39	Level set distribution model of nested structures using logarithmic transformation. <i>Medical Image Analysis</i> , 2019, 56, 1-10.	7.0	3
40	Spatial Relationship Between the Metanephros and Adjacent Organs According to the Carnegie Stage of Development. <i>Anatomical Record</i> , 2019, 302, 1901-1915.	0.8	3
41	Revisiting the infracardiac bursa using multimodal methods: topographic anatomy for surgery of the esophagogastric junction. <i>Journal of Anatomy</i> , 2019, 235, 88-95.	0.9	7
42	Critical Growth Processes for the Midfacial Morphogenesis in the Early Prenatal Period. <i>Cleft Palate-Craniofacial Journal</i> , 2019, 56, 1026-1037.	0.5	12
43	Spatiotemporal statistical models of a human embryo. , 2019, , .		1
44	Spatiotemporal Statistical Model of Anatomical Landmarks on a Human Embryonic Brain. <i>Lecture Notes in Computer Science</i> , 2019, , 94-103.	1.0	0
45	Three-Dimensional Imaging of Human Embryonic and Fetal Development. <i>Vacuum and Surface Science</i> , 2019, 62, 72-77.	0.0	1
46	Variations of the Circle of Willis at the End of the Human Embryonic Period. <i>Anatomical Record</i> , 2018, 301, 1312-1319.	0.8	10
47	Number of Synergies Is Dependent on Spasticity and Gait Kinetics in Children With Cerebral Palsy. <i>Pediatric Physical Therapy</i> , 2018, 30, 34-38.	0.3	14
48	Morphogenesis of the Middle Ear during Fetal Development as Observed Via Magnetic Resonance Imaging. <i>Anatomical Record</i> , 2018, 301, 757-764.	0.8	4
49	Tail reduction process during human embryonic development. <i>Journal of Anatomy</i> , 2018, 232, 806-811.	0.9	9
50	Formation of the Periotic Space During the Early Fetal Period in Humans. <i>Anatomical Record</i> , 2018, 301, 563-570.	0.8	8
51	Clinical and Demographic Evaluation of a Holoprosencephaly Cohort From the Kyoto Collection of Human Embryos. <i>Anatomical Record</i> , 2018, 301, 973-986.	0.8	13
52	Three-dimensional models of the segmented human fetal brain generated by magnetic resonance imaging. <i>Congenital Anomalies (discontinued)</i> , 2018, 58, 48-55.	0.3	17
53	Blechs Schmidt Collection: Revisiting specimens from a historical collection of serially sectioned human embryos and fetuses using modern imaging techniques. <i>Congenital Anomalies (discontinued)</i> , 2018, 58, 152-157.	0.3	14
54	Congenital Anomalies in Human Embryos. , 2018, , .		0

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55	A Spatiotemporal Statistical Shape Model of the Brain Surface during Human Embryonic Development. <i>Advanced Biomedical Engineering</i> , 2018, 7, 146-155.	0.4	6
56	Branching morphogenesis of the urinary collecting system in the human embryonic metanephros. <i>PLoS ONE</i> , 2018, 13, e0203623.	1.1	8
57	Novel Imaging Modalities for Human Embryology and Applications in Education. <i>Anatomical Record</i> , 2018, 301, 1004-1011.	0.8	10
58	The 40th Anniversary of the Congenital Anomaly Research Center, Kyoto University Graduate School of Medicine. <i>Anatomical Record</i> , 2018, 301, 947-950.	0.8	4
59	The Kyoto Collection of Human Embryos and Fetuses: History and Recent Advancements in Modern Methods. <i>Cells Tissues Organs</i> , 2018, 205, 314-319.	1.3	40
60	Positional Changes of the Ocular Organs During Craniofacial Development. <i>Anatomical Record</i> , 2017, 300, 2107-2114.	0.8	7
61	Quantitation of nasal development in the early prenatal period using geometric morphometrics and MRI: a new insight into the critical period of Binder phenotype. <i>Prenatal Diagnosis</i> , 2017, 37, 907-915.	1.1	11
62	Dynamics of gyrification in the human cerebral cortex during development. <i>Congenital Anomalies (discontinued)</i> , 2017, 57, 8-14.	0.3	4
63	Cover Image, Volume 37, Issue 9. <i>Prenatal Diagnosis</i> , 2017, 37, i.	1.1	0
64	Feature-Based Non-rigid Registration of Serial Section Images by Blending Rigid Transformations. , 2017, , .		3
65	A Spatiotemporal Statistical Model for Eyeballs of Human Embryos. <i>IEICE Transactions on Information and Systems</i> , 2017, E100.D, 1505-1515.	0.4	7
66	Prenatal Diagnosis of the Human Embryo and Fetus. <i>Comprehensive Gynecology and Obstetrics</i> , 2017, , 181-190.	0.0	1
67	Cartilage formation in the pelvic skeleton during the embryonic and early-fetal period. <i>PLoS ONE</i> , 2017, 12, e0173852.	1.1	9
68	Statistical Shape Model of Nested Structures Based on the Level Set. <i>Lecture Notes in Computer Science</i> , 2017, , 169-176.	1.0	2
69	Merging and Fractionation of Muscle Synergy Indicate the Recovery Process in Patients with Hemiplegia: The First Study of Patients after Subacute Stroke. <i>Neural Plasticity</i> , 2016, 2016, 1-7.	1.0	39
70	Correlation of external ear auricle formation with staging of human embryos. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 86-90.	0.3	5
71	Formation of the circle of Willis during human embryonic development. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 233-236.	0.3	11
72	MR Imaging of the Pituitary Gland and Postsphenoid Ossification in Fetal Specimens. <i>American Journal of Neuroradiology</i> , 2016, 37, 1523-1527.	1.2	4

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73	Three-dimensional imaging of palatal muscles in the human embryo and fetus: Development of levator veli palatini and clinical importance of the lesser palatine nerve. <i>Developmental Dynamics</i> , 2016, 245, 123-131.	0.8	11
74	Intestinal Rotation and Physiological Umbilical Herniation During the Embryonic Period. <i>Anatomical Record</i> , 2016, 299, 197-206.	0.8	28
75	The Digestive Tract and Derived Primordia Differentiate by Following a Precise Timeline in Human Embryos Between Carnegie Stages 11 and 13. <i>Anatomical Record</i> , 2016, 299, 439-449.	0.8	8
76	Extraction of DNA from human embryos after long-term preservation in formalin and Bouin's solutions. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 112-118.	0.3	5
77	An Embodied Brain Model of the Human Foetus. <i>Scientific Reports</i> , 2016, 6, 27893.	1.6	90
78	Clinical factors associated with ankle muscle coactivation during gait in adults after stroke. <i>NeuroRehabilitation</i> , 2016, 38, 351-357.	0.5	12
79	Ankle muscle coactivation and its relationship with ankle joint kinematics and kinetics during gait in hemiplegic patients after stroke. <i>Somatosensory & Motor Research</i> , 2016, 33, 79-85.	0.4	21
80	A Novel Strategy to Reveal the Latent Abnormalities in Human Embryonic Stages from a Large Embryo Collection. <i>Anatomical Record</i> , 2016, 299, 8-24.	0.8	11
81	Functional joint regeneration is achieved using reintegration mechanism in <i>Xenopus laevis</i> . <i>Regeneration (Oxford, England)</i> , 2016, 3, 26-38.	6.3	8
82	Morphogenesis of the middle ear ossicles and spatial relationships with the external and inner ears during the embryonic period. <i>Anatomical Record</i> , 2016, 299, 1325-1337.	0.8	10
83	Nationwide survey for current clinical status of amniocentesis and maternal serum marker test in Japan. <i>Journal of Human Genetics</i> , 2016, 61, 879-884.	1.1	4
84	The Lesser Palatine Nerve Innervates the Levator Veli Palatini Muscle. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2016, 4, e1044.	0.3	3
85	Morphometric human embryonic brain features according to developmental stage. <i>Prenatal Diagnosis</i> , 2016, 36, 338-345.	1.1	3
86	Ankle muscle coactivation during gait is decreased immediately after anterior weight shift practice in adults after stroke. <i>Gait and Posture</i> , 2016, 45, 35-40.	0.6	21
87	Descending neural drives to ankle muscles during gait and their relationships with clinical functions in patients after stroke. <i>Clinical Neurophysiology</i> , 2016, 127, 1512-1520.	0.7	35
88	3D models related to the publication: Morphogenesis of the stomach during the human embryonic period. <i>MorphoMuseuM</i> , 2016, 1, e3.	0.1	1
89	Reintegration of the regenerated and the remaining tissues during joint regeneration in the newt <i>Cynops pyrrhogaster</i> . <i>Regeneration (Oxford, England)</i> , 2015, 2, 26-36.	6.3	17
90	Morphological features and length measurements of fetal lateral ventricles at 16-25 weeks of gestation by magnetic resonance imaging. <i>Congenital Anomalies (discontinued)</i> , 2015, 55, 99-102.	0.3	7

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91	Morphogenesis of the Inner Ear at Different Stages of Normal Human Development. <i>Anatomical Record</i> , 2015, 298, 2081-2090.	0.8	30
92	Magnetic Resonance Microscopy of Chemically Fixed Human Embryos at High Spatial Resolution. <i>Magnetic Resonance in Medical Sciences</i> , 2015, 14, 153-158.	1.1	6
93	Three-dimensional morphology of the human embryonic brain. <i>Data in Brief</i> , 2015, 4, 116-118.	0.5	4
94	Morphology and morphometry of the human embryonic brain: A three-dimensional analysis. <i>NeuroImage</i> , 2015, 115, 96-103.	2.1	30
95	Morphogenesis of the Spleen During the Human Embryonic Period. <i>Anatomical Record</i> , 2015, 298, 820-826.	0.8	16
96	Spatial Change of Cruciate Ligaments in Rat Embryo Knee Joint by Three-Dimensional Reconstruction. <i>PLoS ONE</i> , 2015, 10, e0131092.	1.1	4
97	3D models related to the publication: Morphogenesis of the inner ear at different stages of normal human development. <i>MorphoMuseuM</i> , 2015, 1, e6.	0.1	0
98	A detailed comparison of mouse and human cardiac development. <i>Pediatric Research</i> , 2014, 76, 500-507.	1.1	110
99	Three-dimensional reconstruction of rat knee joint using episcopic fluorescence image capture. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1401-1409.	0.6	8
100	High-resolution histological 3D imaging: Episcopic fluorescence image capture is widely applied for experimental animals. <i>Congenital Anomalies (discontinued)</i> , 2014, 54, 250-251.	0.3	7
101	Overview of the Development of the Human Brain and Spinal Cord. , 2014, , 1-52.		4
102	Morphology and morphometry of fetal liver at 16–26 weeks of gestation by magnetic resonance imaging: Comparison with embryonic liver at Carnegie stage 23. <i>Hepatology Research</i> , 2013, 43, 639-647.	1.8	6
103	Vaginal delivery in the presence of huge vulvar varicosities: a case report with MRI evaluation. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 167, 127-131.	0.5	11
104	Morphogenesis of Lateral Choroid Plexus During Human Embryonic Period. <i>Anatomical Record</i> , 2013, 296, 692-700.	0.8	13
105	Three-dimensional models once again: For research and teaching of early human development. <i>Congenital Anomalies (discontinued)</i> , 2013, 53, 58-59.	0.3	2
106	Phase-contrast X-ray imaging system with sub-mg/cm ³ density resolution. <i>Journal of Physics: Conference Series</i> , 2013, 425, 192007.	0.3	13
107	Formation of duodenal atresias in fibroblast growth factor receptor 2IIIb ^{-/-} mouse embryos occurs in the absence of an endodermal plug. <i>Journal of Pediatric Surgery</i> , 2012, 47, 1369-1379.	0.8	15
108	Muscle Patterning in Mouse and Human Abdominal Wall Development and Omphalocele Specimens of Humans. <i>Anatomical Record</i> , 2012, 295, 2129-2140.	0.8	15

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109	Fetal brain development in chimpanzees versus humans. <i>Current Biology</i> , 2012, 22, R791-R792.	1.8	63
110	Introduction “ Developmental Overview of the Human Embryo. , 2012, , .		3
111	Morphometric analysis of the brain vesicles during the human embryonic period by magnetic resonance microscopic imaging. <i>Congenital Anomalies (discontinued)</i> , 2012, 52, 55-58.	0.3	18
112	Digitization of clinical and epidemiological data from the Kyoto Collection of Human Embryos: Maternal risk factors and embryonic malformations. <i>Congenital Anomalies (discontinued)</i> , 2012, 52, 48-54.	0.3	16
113	Movement of the external ear in human embryo. <i>Head & Face Medicine</i> , 2012, 8, 2.	0.8	24
114	Embryonic Liver Morphology and Morphometry by Magnetic Resonance Microscopic Imaging. <i>Anatomical Record</i> , 2012, 295, 51-59.	0.8	18
115	Prenatal Findings in Congenital Leukemia: A Case Report. <i>Fetal Diagnosis and Therapy</i> , 2011, 29, 325-330.	0.6	13
116	Normal Location Of Thumb/Big Toe may be Related to Programmed Cell Death in the Preaxial Area of Embryonic Limb. <i>Anatomical Record</i> , 2011, 294, 1352-1359.	0.8	2
117	Developmental atlas of the early first trimester human embryo. <i>Developmental Dynamics</i> , 2010, 239, 1585-1595.	0.8	66
118	Early pathogenesis of holoprosencephaly. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2010, 154C, 22-28.	0.7	33
119	Methylnitrosourea induces neural progenitor cell apoptosis and microcephaly in mouse embryos. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2010, 89, 213-222.	1.4	7
120	Dysregulation of the PDGFRA gene causes inflow tract anomalies including TAPVR: integrating evidence from human genetics and model organisms. <i>Human Molecular Genetics</i> , 2010, 19, 1286-1301.	1.4	64
121	Human Cardiac Development in the First Trimester. <i>Circulation</i> , 2009, 120, 343-351.	1.6	87
122	Isolated levocardia: Prenatal diagnosis and management. <i>Congenital Anomalies (discontinued)</i> , 2009, 49, 56-60.	0.3	7
123	Intrauterine environment-genome interaction and Children's development (3): Assisted reproductive technologies and developmental disorders. <i>Journal of Toxicological Sciences</i> , 2009, 34, SP287-SP291.	0.7	23
124	Expression of CCN1 (CYR61) in developing, normal, and diseased human kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1363-F1372.	1.3	25
125	Computerized three-dimensional analysis of the heart and great vessels in normal and holoprosencephalic human embryos. <i>Anatomical Record</i> , 2007, 290, 259-267.	0.8	18
126	Visualization of human prenatal development by magnetic resonance imaging (MRI). <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 3121-3126.	0.7	37

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127	Embryogenesis of holoprosencephaly. American Journal of Medical Genetics, Part A, 2007, 143A, 3079-3087.	0.7	26
128	Three-dimensional analysis of inner ear development in human embryos. Anatomical Science International, 2007, 82, 156-163.	0.5	18
129	Embryonic holoprosencephaly: pathology and phenotypic variability. Congenital Anomalies (discontinued), 2006, 46, 164-171.	0.3	14
130	Graphic and movie illustrations of human prenatal development and their application to embryological education based on the human embryo specimens in the Kyoto collection. Developmental Dynamics, 2006, 235, 468-477.	0.8	50
131	Embryogenesis of fused umbilical arteries in human embryos. American Journal of Obstetrics and Gynecology, 2005, 193, 1709-1715.	0.7	7
132	Assisted reproductive technologies and birth defects. Congenital Anomalies (discontinued), 2005, 45, 39-43.	0.3	38
133	Spontaneous regression of congenital cystic adenomatoid malformation of the lung: Longitudinal examinations by magnetic resonance imaging. Congenital Anomalies (discontinued), 2005, 45, 157-160.	0.3	5
134	Palatal shelf movement during palatogenesis: a fate map of the fetal mouse palate cultured in vitro. Anatomy and Embryology, 2004, 208, 19-25.	1.5	27
135	Development of the posterior neural tube in human embryos. Anatomy and Embryology, 2004, 209, 107-117.	1.5	53
136	Phenotypic variability in human embryonic holoprosencephaly in the Kyoto Collection. Birth Defects Research Part A: Clinical and Molecular Teratology, 2004, 70, 495-508.	1.6	83
137	Fine Biomedical Imaging Using X-Ray Phase-Sensitive Technique. , 0, , .		23
138	Human Embryology. , 0, , .		9
139	The return process of physiological umbilical herniation in human fetuses: The possible role of the vascular tree and umbilical ring. Journal of Anatomy, 0, , .	0.9	0