# Daniel Graf

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 77 papers | 5,845 citations | 126907 33 h-index | 76900 74 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 7405 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Defective expression of T-cell CD40 ligand causes X-linked immunodeficiency with hyper-IgM. Nature, 1993, 361, 539-541. | 27.8 | 703 |
| 2 | Identification of Cd36 (Fat) as an insulin-resistance gene causing defective fatty acid and glucose metabolism in hypertensive rats. Nature Genetics, 1999, 21, 76-83. | 21.4 | 692 |
| 3 | A role for Dicer in immune regulation. Journal of Experimental Medicine, 2006, 203, 2519-2527. | 8.5 | 490 |
| 4 | Dynamic Repositioning of Genes in the Nucleus of Lymphocytes Preparing for Cell Division. Molecular Cell, 1999, 3, 207-217. | 9.7 | 376 |
| 5 | Cloning of TRAP, a ligand for CD40 on human T cells. European Journal of Immunology, 1992, 22, 3191-3194. | 2.9 | 263 |
| 6 | A soluble form of TRAP (CD40 ligand) is rapidly released after T cell activation. European Journal of Immunology, 1995, 25, 1749-1754. | 2.9 | 238 |
| 7 | How Many Thymocytes Audition for Selection?. Journal of Experimental Medicine, 1997, 186, 1149-1158. | 8.5 | 206 |
| 8 | Spontaneous apoptosis of dendritic cells is efficiently inhibited by TRAP (CD40-ligand) and TNF-Î±, but strongly enhanced by interleukin-10. European Journal of Immunology, 1995, 25, 1943-1950. | 2.9 | 194 |
| 9 | Defective Expression of CD40 Ligand on T Cells Causes â€œXâ€Linked Immunodeficiency with Hyperâ€IgM (HIGM1)â€• Immunological Reviews, 1994, 138, 39-59. | 6.0 | 122 |
| 10 | Severe combined immunodeficiency due to defective binding of the nuclear factor of activated T cells in T lymphocytes of two male siblings. European Journal of Immunology, 1996, 26, 2119-2126. | 2.9 | 119 |
| 11 | Cell fate determination during tooth development and regeneration. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 199-211. | 3.6 | 116 |
| 12 | Tumor Necrosis Factor-Î± Promotes Malignant Pleural Effusion. Cancer Research, 2007, 67, 9825-9834. | 0.9 | 102 |
| 13 | Ineffective expression of CD40 ligand on cord blood T cells may contribute to poor immunoglobulin production in the newborn. European Journal of Immunology, 1994, 24, 1919-1924. | 2.9 | 99 |
| 14 | Common mechanisms in development and disease: BMP signaling in craniofacial development. Cytokine and Growth Factor Reviews, 2016, 27, 129-139. | 7.2 | 94 |
| 15 | Bone morphogenetic protein-7 release from endogenous neural precursor cells suppresses the tumourigenicity of stem-like glioblastoma cells. Brain, 2010, 133, 1961-1972. | 7.6 | 90 |
| 16 | A Central Role for Tumor-derived Monocyte Chemoattractant Protein-1 in Malignant Pleural Effusion. Journal of the National Cancer Institute, 2008, 100, 1464-1476. | 6.3 | 88 |
| 17 | Identification of bone morphogenetic protein 7 (BMP7) as an instructive factor for human epidermal Langerhans cell differentiation. Journal of Experimental Medicine, 2013, 210, 2597-2610. | 8.5 | 88 |
| 18 | Induction, regulation, and function of soluble TRAP (CD40 ligand) during interaction of primary CD4+ CD45RA+ T cells with dendritic cells. European Journal of Immunology, 1996, 26, 3137-3143. | 2.9 | 85 |

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|---|---|---|---|
| 19 | Holoprosencephaly: signaling interactions between the brain and the face, the environment and the genes, and the phenotypic variability in animal models and humans. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 17-32. | 5.9 | 79 |
| 20 | The Developmentally Regulated Expression of Twisted Gastrulation Reveals a Role for Bone Morphogenetic Proteins in the Control of T Cell Development. Journal of Experimental Medicine, 2002, 196, 163-171. | 8.5 | 75 |
| 21 | Bmp7 Regulates the Survival, Proliferation, and Neurogenic Properties of Neural Progenitor Cells during Corticogenesis in the Mouse. PLoS ONE, 2012, 7, e34088. | 2.5 | 73 |
| 22 | Deletion of BMP7 affects the development of bones, teeth, and other ectodermal appendages of the orofacial complex. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 361-374. | 1.3 | 70 |
| 23 | BMPs and FGFs target Notch signalling via jagged 2 to regulate tooth morphogenesis and cytodifferentiation. Development (Cambridge), 2010, 137, 3025-3035. | 2.5 | 68 |
| 24 | Meta-analysis Reveals Genome-Wide Significance at 15q13 for Nonsyndromic Clefting of Both the Lip and the Palate, and Functional Analyses Implicate GREM1 As a Plausible Causative Gene. PLoS Genetics, 2016, 12, e1005914. | 3.5 | 66 |
| 25 | Expansion of Murine Periosteal Progenitor Cells with Fibroblast Growth Factor 2 Reveals an Intrinsic Endochondral Ossification Program Mediated by Bone Morphogenetic Protein 2. Stem Cells, 2014, 32, 2407-2418. | 3.2 | 63 |
| 26 | Podocyte-Derived BMP7 Is Critical for Nephron Development. Journal of the American Society of Nephrology: JASN, 2008, 19, 2181-2191. | 6.1 | 57 |
| 27 | Conditional deletion of BMP7 from the limb skeleton does not affect bone formation or fracture repair. Journal of Orthopaedic Research, 2010, 28, 384-389. | 2.3 | 53 |
| 28 | Cutting Edge: A Critical Role of B and T Lymphocyte Attenuator in Peripheral T Cell Tolerance Induction. Journal of Immunology, 2009, 182, 4516-4520. | 0.8 | 52 |
| 29 | A Butyrophilin Family Member Critically Inhibits T Cell Activation. Journal of Immunology, 2010, 185, 5907-5914. | 0.8 | 48 |
| 30 | Bone Morphogenic Protein Signaling Is a Major Determinant of Dentate Development. Journal of Neuroscience, 2013, 33, 6766-6775. | 3.6 | 46 |
| 31 | Immunological Features of Fibrodysplasia Ossificans Progressiva and the Dysregulated BMP4 Pathway. Clinical Reviews in Bone and Mineral Metabolism, 2005, 3, 189-194. | 0.8 | 45 |
| 32 | Stem Cell Fate Determination during Development and Regeneration of Ectodermal Organs. Frontiers in Physiology, 2012, 3, 107. | 2.8 | 43 |
| 33 | The Etiology of Cleft Palate Formation in BMP7-Deficient Mice. PLoS ONE, 2013, 8, e59463. | 2.5 | 37 |
| 34 | Bone Morphogenetic Protein 2 Coordinates Early Tooth Mineralization. Journal of Dental Research, 2018, 97, 835-843. | 5.2 | 35 |
| 35 | Rational primer design greatly improves differential display-PCR (DD- PCR). Nucleic Acids Research, 1997, 25, 2239-2240. | 14.5 | 32 |
| 36 | Twisted gastrulation limits apoptosis in the distal region of the mandibular arch in mice. Developmental Biology, 2009, 328, 13-23. | 2.0 | 31 |

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|---|---|---|---|
| 37 | BMP-binding protein twisted gastrulation is required in mammary gland epithelium for normal ductal elongation and myoepithelial compartmentalization. Developmental Biology, 2013, 373, 95-106. | 2.0 | 30 |
| 38 | Reduced BMP Signaling Results in Hindlimb Fusion with Lethal Pelvic/Urogenital Organ Aplasia: A New Mouse Model of Sirenomelia. PLoS ONE, 2012, 7, e43453. | 2.5 | 28 |
| 39 | Generation and functional characterization of mice with a conditional BMP7 allele. International Journal of Developmental Biology, 2009, 53, 597-603. | 0.6 | 28 |
| 40 | Evolutionary conservation, developmental expression, and genomic mapping of mammalian Twisted gastrulation. Mammalian Genome, 2001, 12, 554-560. | 2.2 | 27 |
| 41 | Noggin null allele mice exhibit a microform of holoprosencephaly. Human Molecular Genetics, 2011, 20, 4005-4015. | 2.9 | 26 |
| 42 | Elimination of BMP7 from the developing limb mesenchyme leads to articular cartilage degeneration and synovial inflammation with increased age. FEBS Letters, 2015, 589, 1240-1248. | 2.8 | 26 |
| 43 | Association between sleep apnea and low bone mass in adults: a systematic review and meta-analysis. Osteoporosis International, 2017, 28, 1835-1852. | 3.1 | 24 |
| 44 | Branching morphogenesis in the developing kidney is governed by rules that pattern the ureteric tree. Development (Cambridge), 2017, 144, 4377-4385. | 2.5 | 24 |
| 45 | Putative functions of extracellular matrix glycoproteins in secondary palate morphogenesis. Frontiers in Physiology, 2012, 3, 377. | 2.8 | 22 |
| 46 | Dislocated Tongue Muscle Attachment and Cleft Palate Formation. Journal of Dental Research, 2016, 95, 453-459. | 5.2 | 20 |
| 47 | Craniofacial Development: Neural Crest in Molecular Embryology. Head and Neck Pathology, 2021, 15, 1-15. | 2.6 | 19 |
| 48 | Characterization of B7S3 as a Novel Negative Regulator of T Cells. Journal of Immunology, 2007, 178, 3661-3667. | 0.8 | 18 |
| 49 | Twisted Gastrulation, a BMP Antagonist, Exacerbates Podocyte Injury. PLoS ONE, 2014, 9, e89135. | 2.5 | 18 |
| 50 | Mesenchymal Bmp7 Controls Onset of Tooth Mineralization: A Novel Way to Regulate Molar Cusp Shape. Frontiers in Physiology, 2020, 11, 698. | 2.8 | 18 |
| 51 | Ontogeny of CD40 expression by activated peripheral blood lymphocytes in humans. Immunology Letters, 1996, 49, 27-30. | 2.5 | 17 |
| 52 | New horizons at the caudal embryos: coordinated urogenital/reproductive organ formation by growth factor signaling. Current Opinion in Genetics and Development, 2009, 19, 491-496. | 3.3 | 17 |
| 53 | Compartmentalization of bone morphogenetic proteins and their antagonists in lymphoid progenitors and supporting microenvironments and functional implications. Immunology, 2011, 134, 349-359. | 4.4 | 17 |
| 54 | The genetic basis of craniofacial and dental abnormalities. Schweizerische Monatsschrift FÃ¼r Zahnmedizin = Revue Mensuelle Suisse D'odonto-stomatologie = Rivista Mensile Svizzera Di Odontologia E Stomatologia, 2011, 121, 636-46. | 0.3 | 17 |

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|---|---|---|---|
| 55 | The Chromatin Regulator Ankrd11 Controls Palate and Cranial Bone Development. Frontiers in Cell and Developmental Biology, 2021, 9, 645386. | 3.7 | 16 |
| 56 | Involvement of Twisted Gastrulation in T Cell-Independent Plasma Cell Production. Journal of Immunology, 2011, 186, 6860-6870. | 0.8 | 14 |
| 57 | Site-Specific Expression of Gelatinolytic Activity during Morphogenesis of the Secondary Palate in the Mouse Embryo. PLoS ONE, 2012, 7, e47762. | 2.5 | 14 |
| 58 | Delivery of Bioactive Gene Particles via Gelatin-Collagen-PEG-Based Electrospun Matrices. Pharmaceuticals, 2021, 14, 666. | 3.8 | 13 |
| 59 | Properties of the Nasal Cartilage, from Development to Adulthood: A Scoping Review. Cartilage, 2022, 13, 194760352210876. | 2.7 | 12 |
| 60 | Neural crest-specific loss ofBmp7leads to midfacial hypoplasia, nasal airway obstruction and disordered breathing, modeling obstructive sleep apnea. DMM Disease Models and Mechanisms, 2021, 14, . | 2.4 | 11 |
| 61 | Deletion/loss of bone morphogenetic protein 7 changes tooth morphology and function in Mus musculus: implications for dental evolution in mammals. Royal Society Open Science, 2018, 5, 170761. | 2.4 | 10 |
| 62 | nkx3.2 mutant zebrafish accommodate jaw joint loss through a phenocopy of the head shapes of Paleozoic jawless fish. Journal of Experimental Biology, 2020, 223, . | 1.7 | 10 |
| 63 | Histological and molecular characterization of the growing nasal septum in mice. Journal of Anatomy, 2021, 238, 751-764. | 1.5 | 10 |
| 64 | Sleep-Disordered Breathing Is Associated with Reduced Mandibular Cortical Width in Children. JDR Clinical and Translational Research, 2019, 4, 58-67. | 1.9 | 7 |
| 65 | Zebrafish model for spondylo-megaepiphyseal-metaphyseal dysplasia reveals post-embryonic roles of Nkx3.2 in the skeleton. Development (Cambridge), 2021, 148, . | 2.5 | 7 |
| 66 | Relating multivariate shapes to genescapes using phenotype-biological process associations for craniofacial shape. ELife, 2021, 10, . | 6.0 | 7 |
| 67 | Nasal Septum Deviation as the Consequence of BMP-Controlled Changes to Cartilage Properties. Frontiers in Cell and Developmental Biology, 2021, 9, 696545. | 3.7 | 5 |
| 68 | Potential impact of pediatric obstructive sleep apnea on mandibular cortical width dimensions. Journal of Clinical Sleep Medicine, 2021, 17, 1627-1634. | 2.6 | 5 |
| 69 | Dissection of bone morphogenetic protein signaling using genome-engineering tools. , 2008, , 115-139. | | 5 |
| 70 | Nasal cavity structural anomalies in children and adolescents at high risk of sleep-disordered breathing: An exploratory cone-beam computed tomography study. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 160, 533-543.e2. | 1.7 | 4 |
| 71 | BMP3 is a novel locus involved in the causality of ocular coloboma. Human Genetics, 2022, , 1. | 3.8 | 4 |
| 72 | MusMorph, a database of standardized mouse morphology data for morphometric meta-analyses. Scientific Data, 2022, 9, . | 5.3 | 3 |

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|---|---|---|---|
| 73 | Selection-induced gene expression in thymocytes. Genetical Research, 1997, 70, 79-89. | 0.9 | 1 |
| 74 | Histological Techniques for Sectioning Bones of the Vertebrate Craniofacial Skeleton. Methods in Molecular Biology, 2022, 2403, 187-200. | 0.9 | 1 |
| 75 | Elimination of BMP7 expression from the limb enhances articular cartilage degeneration and synovial hyperplasia in adult mice. Osteoarthritis and Cartilage, 2014, 22, S140-S141. | 1.3 | 0 |
| 76 | On the ability of experimental impact measures to predict tooth injuries in an ex vivo swine model. Dental Traumatology, 2021, 37, 464-473. | 2.0 | 0 |
| 77 | A role for Dicer in immune regulation. Journal of Cell Biology, 2006, 175, i7-i7. | 5.2 | 0 |