# Sarah M Knox

## List of Publications by Year in descending order



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|---|---|---|---|
| 36 papers | 2,130 citations | 257450 24 h-index | 377865 34 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 2389 citing authors |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 1 | Roadmap for the Emerging Field of Cancer Neuroscience. Cell, 2020, 181, 219-222. | 28.9 | 182 |
| 2 | Parasympathetic stimulation improves epithelial organ regeneration. Nature Communications, 2013, 4, 1494. | 12.8 | 166 |
| 3 | Heparanase cleavage of perlecan heparan sulfate modulates FGF10 activity during ex vivo submandibular gland branching morphogenesis. Development (Cambridge), 2007, 134, 4177-4186. | 2.5 | 147 |
| 4 | Not All Perlecans Are Created Equal. Journal of Biological Chemistry, 2002, 277, 14657-14665. | 3.4 | 139 |
| 5 | Lineage dynamics of murine pancreatic development at single-cell resolution. Nature Communications, 2018, 9, 3922. | 12.8 | 137 |
| 6 | Parasympathetic Innervation Regulates Tubulogenesis in the Developing Salivary Gland. Developmental Cell, 2014, 30, 449-462. | 7.0 | 124 |
| 7 | Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. Biochemistry, 2010, 49, 5524-5532. | 2.5 | 92 |
| 8 | The function of a Drosophila glypican does not depend entirely on heparan sulfate modification. Developmental Biology, 2006, 300, 570-582. | 2.0 | 90 |
| 9 | Salivary glands regenerate after radiation injury through SOX2â€mediated secretory cell replacement. EMBO Molecular Medicine, 2018, 10, . | 6.9 | 86 |
| 10 | The Structure, Location, and Function of Perlecan, a Prominent Pericellular Proteoglycan of Fetal, Postnatal, and Mature Hyaline Cartilages. Journal of Biological Chemistry, 2006, 281, 36905-36914. | 3.4 | 81 |
| 11 | Salivary gland progenitor cell biology provides a rationale for therapeutic salivary gland regeneration. Oral Diseases, 2011, 17, 445-449. | 3.0 | 78 |
| 12 | SOX2 regulates acinar cell development in the salivary gland. ELife, 2017, 6, . | 6.0 | 78 |
| 13 | Salivary gland stem cells: A review of development, regeneration and cancer. Genesis, 2018, 56, e23211. | 1.6 | 70 |
| 14 | Salivary gland organogenesis. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 69-82. | 5.9 | 69 |
| 15 | Submandibular Parasympathetic Gangliogenesis Requires Sprouty-Dependent Wnt Signals from Epithelial Progenitors. Developmental Cell, 2015, 32, 667-677. | 7.0 | 58 |
| 16 | Functional Specialization of Human Salivary Glands and Origins of Proteins Intrinsic to Human Saliva. Cell Reports, 2020, 33, 108402. | 6.4 | 54 |
| 17 | Diverse progenitor cells preserve salivary gland ductal architecture after radiation induced damage. Development (Cambridge), 2018, 145, . | 2.5 | 53 |
| 18 | Perlecan from human epithelial cells is a hybrid heparan/chondroitin/keratan sulfate proteoglycan. FEBS Letters, 2005, 579, 5019-5023. | 2.8 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Mechanisms of TSC-mediated Control of Synapse Assembly and Axon Guidance. PLoS ONE, 2007, 2, e375. | 2.5 | 50 |
| 20 | Aire-deficient mice provide a model of corneal and lacrimal gland neuropathy in SjÃ¶gren's syndrome. PLoS ONE, 2017, 12, e0184916. | 2.5 | 42 |
| 21 | Electrophoretic, biosensor, and bioactivity analyses of perlecans of different cellular origins. Proteomics, 2001, 1, 1534. | 2.2 | 41 |
| 22 | Salivary gland development and disease. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 573-590. | 5.9 | 41 |
| 23 | Defining epithelial cell dynamics and lineage relationships in the developing lacrimal gland. Development (Cambridge), 2017, 144, 2517-2528. | 2.5 | 32 |
| 24 | Perlecan, the multidomain HS-proteoglycan of basement membranes, is a prominent pericellular component of ovine hypertrophic vertebral growth plate and cartilaginous endplate chondrocytes. Histochemistry and Cell Biology, 2002, 118, 269-280. | 1.7 | 29 |
| 25 | Identification and characterization of a rich population of CD34+ mesenchymal stem/stromal cells in human parotid, sublingual and submandibular glands. Scientific Reports, 2017, 7, 3484. | 3.3 | 24 |
| 26 | Aldehyde dehydrogenase 3A1 activation prevents radiation-induced xerostomia by protecting salivary stem cells from toxic aldehydes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6279-6284. | 7.1 | 23 |
| 27 | Exocrine gland structure-function relationships. Development (Cambridge), 2022, 149, . | 2.5 | 15 |
| 28 | The emerging role of cranial nerves in shaping craniofacial development. Genesis, 2019, 57, e23282. | 1.6 | 13 |
| 29 | Alterations in corneal biomechanics underlie early stages of autoimmune-mediated dry eye disease. Journal of Autoimmunity, 2020, 114, 102500. | 6.5 | 13 |
| 30 | Deciphering Molecular and Phenotypic Changes Associated with Early Autoimmune Disease in the Aire-Deficient Mouse Model of SjÃ¶grenâ€™s Syndrome. International Journal of Molecular Sciences, 2018, 19, 3628. | 4.1 | 12 |
| 31 | Manipulating the Murine Lacrimal Gland. Journal of Visualized Experiments, 2014, , e51970. | 0.3 | 11 |
| 32 | Recombinant heparan sulfate for use in tissue engineering applications. Journal of Chemical Technology and Biotechnology, 2008, 83, 496-504. | 3.2 | 8 |
| 33 | miR-205 is a critical regulator of lacrimal gland development. Developmental Biology, 2017, 427, 12-20. | 2.0 | 7 |
| 34 | Septum submucosal glands exhibit aberrant morphology and reduced mucin production in chronic rhinosinusitis. International Forum of Allergy and Rhinology, 2021, 11, 1443-1451. | 2.8 | 2 |
| 35 | The society of craniofacial genetics and developmental biology 35th annual meeting. American Journal of Medical Genetics, Part A, 2013, 161, 2938-2952. | 1.2 | 0 |
| 36 | Aldehyde dehydrogenase 3A1 deficiency leads to mitochondrial dysfunction and impacts salivary gland stem cell phenotype. , 2022, 1, . | | 0 |