Seppo Vainio

List of Publications by Year
in descending order

153 papers	10,078 citations	57681 46 h-index	42259 96 g-index
163 all docs	163 docs citations	163 times ranked	11071 citing authors

#	Article	IF	Citations
1	Computational modelling of nephron progenitor cell movement and aggregation during kidney organogenesis. Mathematical Biosciences, 2022, 344, 108759.	0.9	3
2	Detection of intra-family coronavirus genome sequences through graphical representation and artificial neural network. Expert Systems With Applications, 2022, 194, 116559.	4.4	6
3	The modulatory role of internet-supported mindfulness-based cognitive therapy on extracellular vesicles and psychological distress in people who have had cancer: a protocol for a two-armed randomized controlled study. Trials, 2022, 23, 118.	0.7	5
4	Biomedical applications of multifunctional magnetoelectric nanoparticles. Materials Chemistry Frontiers, 2022, 6, 1368-1390.	3.2	13
5	Clustering and classification of virus sequence through music communication protocol and wavelet transform. Genomics, 2021, 113, 778-784.	1.3	7
6	Identification of extracellular nanoparticle subsets by nuclear magnetic resonance. Chemical Science, 2021, 12, 8311-8319.	3.7	8
7	Secreted Extracellular Vesicle Molecular Cargo as a Novel Liquid Biopsy Diagnostics of Central Nervous System Diseases. International Journal of Molecular Sciences, 2021, 22, 3267.	1.8	13
8	Characterization of nucleic acids from extracellular vesicle-enriched human sweat. BMC Genomics, 2021, 22, 425.	1.2	21
9	Potential strategies to prevent encrustations on urinary stents and catheters â€“ thinking outside the box: a European network of multidisciplinary research to improve urinary stents (ENIUS) initiative. Expert Review of Medical Devices, 2021, 18, 1-9.	1.4	7
10	Reaction Time and Visual Memory in Connection to Alcohol Use in Persons with Bipolar Disorder. Brain Sciences, 2021, 11, 1154.	1.1	1
11	Deciphering the minimal quantity of mouse primary cells to undergo nephrogenesis ex vivo. Developmental Dynamics, 2021, , .	0.8	3
12	Molecular Communications in Viral Infections Research: Modeling, Experimental Data, and Future Directions. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 121-141.	1.4	16
13	Time-gated Raman spectroscopy and proteomics analyses of hypoxic and normoxic renal carcinoma extracellular vesicles. Scientific Reports, 2021, 11, 19594.	1.6	16
14	Reaction Time and Visual Memory in Connection to Hazardous Drinking Polygenic Scores in Schizophrenia, Schizoaffective Disorder and Bipolar Disorder. Brain Sciences, 2021, 11, 1422.	1.1	0
15	Protein kinase A drives paracrine crisis and WNT4-dependent testis tumor in Carney complex. Journal of Clinical Investigation, 2021, 131, .	3.9	2
16	Biodegradable Nanocarriers Resembling Extracellular Vesicles Deliver Genetic Material with the Highest Efficiency to Various Cell Types. Small, 2020, 16, e1904880.	5.2	25
17	Impact of Nanocapsules on Red Blood Cells Interplay Jointly Assessed by Optical Tweezers and Microscopy. Micromachines, 2020, 11, 19.	1.4	14
18	MicroRNAs in Extracellular Vesicles in Sweat Change in Response to Endurance Exercise. Frontiers in Physiology, 2020, 11, 676.	1.3	22

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19	Trisk 95 as a novel skin mirror for normal and diabetic systemic glucose level. Scientific Reports, 2020, 10, 12246.	1.6	0
20	Erbb4 regulates the oocyte microenvironment during folliculogenesis. Human Molecular Genetics, 2020, 29, 2813-2830.	1.4	16
21	Extracellular Vesicles as Innovative Tool for Diagnosis, Regeneration and Protection against Neurological Damage. International Journal of Molecular Sciences, 2020, 21, 6859.	1.8	52
22	Mouse Embryonic Stem Cell-Derived Ureteric Bud Progenitors Induce Nephrogenesis. Cells, 2020, 9, 329.	1.8	13
23	Optimization of Renal Organoid and Organotypic Culture for Vascularization, Extended Development, and Improved Microscopy Imaging. Journal of Visualized Experiments, 2020, , .	0.2	5
24	Self-assembled nanofibrils from RGD-functionalized cellulose nanocrystals to improve the performance of PEI/DNA polyplexes. Journal of Colloid and Interface Science, 2019, 553, 71-82.	5.0	14
25	The Wnt inhibitor Dkk1 is required for maintaining the normal cardiac differentiation program in Xenopus laevis. Developmental Biology, 2019, 449, 1-13.	0.9	11
26	Haar wavelet based approach for Short Tandem Repeats(STR) Detection. , 2019, , .		0
27	Protection of Cystinotic Mice by Kidney-Specific Megalin Ablation Supports an Endocytosis-Based Mechanism for Nephropathic Cystinosis Progression. Journal of the American Society of Nephrology: JASN, 2019, 30, 2177-2190.	3.0	12
28	Optical Studies of Nanodiamond-Tissue Interaction: Skin Penetration and Localization. Materials, 2019, 12, 3762.	1.3	12
29	Exosomes as secondary inductive signals involved in kidney organogenesis. Journal of Extracellular Vesicles, 2018, 7, 1422675.	5.5	37
30	Embryonic Stem Cells Derived Kidney Organoids as Faithful Models to Target Programmed Nephrogenesis. Scientific Reports, 2018, 8, 16618.	1.6	18
31	Vps34/PI3KC3 deletion in kidney proximal tubules impairs apical trafficking and blocks autophagic flux, causing a Fanconi-like syndrome and renal insufficiency. Scientific Reports, 2018, 8, 14133.	1.6	24
32	Polyion complex hydrogels from chemically modified cellulose nanofibrils: Structure-function relationship and potential for controlled and pH-responsive release of doxorubicin. Acta Biomaterialia, 2018, 75, 346-357.	4.1	43
33	3D bioprinting of the kidneyâ€"hype or hope?. AIMS Cell and Tissue Engineering, 2018, 2, 119-162.	0.4	19
34	Novel fixed Z-dimension (FiZD) kidney primordia and an organoid culture system for time-lapse confocal imaging. Development (Cambridge), 2017, 144, 1113-1117.	1.2	16
35	Kidney development and perspectives for organ engineering. Cell and Tissue Research, 2017, 369, 171-183.	1.5	16
36	The CapZ interacting protein Rcsd1 is required for cardiogenesis downstream of Wnt11a in Xenopus laevis. Developmental Biology, 2017, 424, 28-39.	0.9	2

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37	Role of the extracellular matrix-located Mac-2 binding protein as an interactor of the Wnt proteins. Biochemical and Biophysical Research Communications, 2017, 491, 953-957.	1.0	7
38	HNF1B controls epithelial organization and cell polarity during ureteric bud branching and collecting duct morphogenesis. Development (Cambridge), 2017, 144, 4704-4719.	1.2	37
39	Renal carcinoma/kidney progenitor cell chimera organoid as a novel tumourigenesis gene discovery model. DMM Disease Models and Mechanisms, 2017, 10, 1503-1515.	1.2	8
40	BMP7 Induces Uterine Receptivity and Blastocyst Attachment. Endocrinology, 2017, 158, 979-992.	1.4	46
41	Wnt Signaling in Renal Cell Carcinoma. Cancers, 2016, 8, 57.	1.7	70
42	PKA inhibits WNT signalling in adrenal cortex zonation and prevents malignant tumour development. Nature Communications, 2016, 7, 12751.	5.8	86
43	Plasmon-Resonant Gold Nanostars With Variable Size as Contrast Agents for Imaging Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 13-20.	1.9	23
44	Nephrogenesis in organoids to develop novel drugs and progenitor cell based therapies. European Journal of Pharmacology, 2016, 790, 3-11.	1.7	6
45	CD146 + cells are essential for kidney vasculature development. Kidney International, 2016, 90, 311-324.	2.6	47
46	Impairment of Wnt11 function leads to kidney tubular abnormalities and secondary glomerular cystogenesis. BMC Developmental Biology, 2016, 16, 30.	2.1	18
47	The adrenal capsule is a signaling center controlling cell renewal and zonation through <i>Rspo3</i>. Genes and Development, 2016, 30, 1389-1394.	2.7	79
48	Wnt4 coordinates directional cell migration and extension of the MÃ¼llerian duct essential for ontogenesis of the female reproductive tract. Human Molecular Genetics, 2016, 25, 1059-1073.	1.4	55
49	Synthesis of cationized nanofibrillated cellulose and its antimicrobial properties. European Polymer Journal, 2016, 75, 116-124.	2.6	66
50	Wnt5a Deficiency Leads to Anomalies in Ureteric Tree Development, Tubular Epithelial Cell Organization and Basement Membrane Integrity Pointing to a Role in Kidney Collecting Duct Patterning. PLoS ONE, 2016, 11, e0147171.	1.1	26
51	ATGme: Open-source web application for rare codon identification and custom DNA sequence optimization. BMC Bioinformatics, 2015, 16, 303.	1.2	33
52	Skin equivalents: skin from reconstructions as models to study skin development and diseases. British Journal of Dermatology, 2015, 173, 391-403.	1.4	65
53	Exosomes as renal inductive signals in health and disease, and their application as diagnostic markers and therapeutic agents. Frontiers in Cell and Developmental Biology, 2015, 3, 65.	1.8	45
54	Signaling during Kidney Development. Cells, 2015, 4, 112-132.	1.8	50

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55	Organ<i>In Vitro</i>Culture: What Have We Learned about Early Kidney Development?. Stem Cells International, 2015, 2015, 1-16.	1.2	35
56	The effect of laser irradiation on living cells incubated with gold nanoparticles. , 2015, , .		2
57	Deducing the stage of origin of Wilms' tumours from a developmental series of <i>Wt1</i> mutants. DMM Disease Models and Mechanisms, 2015, 8, 903-17.	1.2	19
58	Functional Genetic Targeting of Embryonic Kidney Progenitor Cells Ex Vivo. Journal of the American Society of Nephrology: JASN, 2015, 26, 1126-1137.	3.0	39
59	Identification of the genes regulated by Wnt-4, a critical signal for commitment of the ovary. Experimental Cell Research, 2015, 332, 163-178.	1.2	34
60	Progesterone and <scp>W</scp> nt4 control mammary stem cells via myoepithelial crosstalk. EMBO Journal, 2015, 34, 641-652.	3.5	90
61	Optical properties of plasmon-resonant bare and silica-coated nanostars used for cell imaging. Journal of Biomedical Optics, 2015, 20, 076017.	1.4	21
62	Deducing the stage of origin of Wilms' tumours from a developmental series of Wt1-mutant mice. Development (Cambridge), 2015, 142, e1.2-e1.2.	1.2	1
63	Loss of the Podocyte-Expressed Transcription Factor Tcf21/Pod1 Results in Podocyte Differentiation Defects and FSGS. Journal of the American Society of Nephrology: JASN, 2014, 25, 2459-2470.	3.0	52
64	Kidney Development: An Overview. Nephron Experimental Nephrology, 2014, 126, 40-44.	2.4	24
65	Renal blood flow and oxygenation drive nephron progenitor differentiation. American Journal of Physiology - Renal Physiology, 2014, 307, F337-F345.	1.3	25
66	ErbB4, a Receptor Tyrosine Kinase, Coordinates Organization of the Seminiferous Tubules in the Developing Testis. Molecular Endocrinology, 2014, 28, 1534-1546.	3.7	8
67	Coordination of kidney organogenesis by Wnt signaling. Pediatric Nephrology, 2014, 29, 737-744.	0.9	69
68	Titania nanofibers in gypsum composites: an antibacterial and cytotoxicology study. Journal of Materials Chemistry B, 2014, 2, 1307.	2.9	19
69	Wnt4, a pleiotropic signal for controlling cell polarity, basement membrane integrity, and antimullerian hormone expression during oocyte maturation in the female follicle. FASEB Journal, 2014, 28, 1568-1581.	0.2	44
70	Expression of Wnt and TGF-Î² pathway components and key adrenal transcription factors in adrenocortical tumors: Association to carcinoma aggressiveness. Pathology Research and Practice, 2013, 209, 503-509.	1.0	23
71	Plasmon-resonant gold nanoparticles with variable morphology as optical labels and drug carriers for cytological research. , 2013, , .		5
72	Wnt5a cooperates with canonical Wnts to generate midbrain dopaminergic neurons in vivo and in stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E602-10.	3.3	107

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73	HNF1B controls proximal-intermediate nephron segment identity in vertebrates by regulating Notch signalling components and <i>Irx1/2</i>. Development (Cambridge), 2013, 140, 873-885.	1.2	101
74	Improving signal detection in emission optical projection tomography via single source multi-exposure image fusion. Optics Express, 2013, 21, 16584.	1.7	6
75	ErbB4 Modulates Tubular Cell Polarity and Lumen Diameter during Kidney Development. Journal of the American Society of Nephrology: JASN, 2012, 23, 112-122.	3.0	54
76	How the Developing Mammalian Kidney Assembles Its Thousands of Nephrons: Fgfs as Stemness Signals. Developmental Cell, 2012, 22, 1125-1126.	3.1	2
77	Conditional expression of Lodavin, an avidinâ€tagged LDL receptor, for biotinâ€mediated applications in vivo. Genesis, 2012, 50, 693-699.	0.8	1
78	WT1 and Sox11 regulate synergistically the promoter of the Wnt4 gene that encodes a critical signal for nephrogenesis. Experimental Cell Research, 2012, 318, 1134-1145.	1.2	25
79	In Vitro Induction of Nephrogenesis in Mouse Metanephric Mesenchyme with Lithium Introduction and Ureteric Bud Recombination. Methods in Molecular Biology, 2012, 886, 23-30.	0.4	4
80	Secreted Wnt antagonist Dickkopf-1 controls kidney papilla development coordinated by Wnt-7b signalling. Developmental Biology, 2011, 353, 50-60.	0.9	48
81	Wnt4 regulates thymic cellularity through the expansion of thymic epithelial cells and early thymic progenitors. Blood, 2011, 118, 5163-5173.	0.6	46
82	Deficiency in crumbs homolog 2 (<i>Crb2</i>) affects gastrulation and results in embryonic lethality in mice. Developmental Dynamics, 2011, 240, 2646-2656.	0.8	69
83	Novel perspectives for investigating congenital anomalies of the kidney and urinary tract (CAKUT). Nephrology Dialysis Transplantation, 2011, 26, 3843-3851.	0.4	78
84	Mouse model of proximal tubule endocytic dysfunction. Nephrology Dialysis Transplantation, 2011, 26, 3446-3451.	0.4	62
85	A Secreted BMP Antagonist, Cer1, Fine Tunes the Spatial Organization of the Ureteric Bud Tree during Mouse Kidney Development. PLoS ONE, 2011, 6, e27676.	1.1	34
86	Wnt-11 signalling controls ventricular myocardium development by patterning N-cadherin and Î²-catenin expression. Cardiovascular Research, 2010, 85, 100-109.	1.8	74
87	Wnt4/5a signalling coordinates cell adhesion and entry into meiosis during presumptive ovarian follicle development. Human Molecular Genetics, 2010, 19, 1539-1550.	1.4	85
88	WNT4 is expressed in human fetal and adult ovaries and its signaling contributes to ovarian cell survival. Molecular and Cellular Endocrinology, 2010, 317, 106-111.	1.6	37
89	Mapping of the fate of cell lineages generated from cells that express the Wnt4 gene by time-lapse during kidney development. Differentiation, 2010, 79, 57-64.	1.0	44
90	Actin-Based Mechanism of Holospora obtusa Trafficking in Paramecium caudatum. Protist, 2009, 160, 205-219.	0.6	38

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91	Genomic response to Wnt signalling is highly context-dependent â€” Evidence from DNA microarray and chromatin immunoprecipitation screens of Wnt/TCF targets. Experimental Cell Research, 2009, 315, 2690-2704.	1.2	25
92	Generation of an allele to inactivate <i>Wnt4</i> gene function conditionally in the mouse. Genesis, 2009, 47, 782-788.	0.8	34
93	Lumbo-sacral neural crest derivatives fate mapped with the aid of Wnt-1 promoter integrate but are not essential to kidney development. Differentiation, 2009, 77, 199-208.	1.0	12
94	Transplanted astrocytes internalize deposited Î²â€amyloid peptides in a transgenic mouse model of Alzheimer's disease. Glia, 2008, 56, 154-163.	2.5	148
95	The Signaling Protein Wnt4 Enhances Thymopoiesis and Expands Multipotent Hematopoietic Progenitors through Î²-Catenin-Independent Signaling. Immunity, 2008, 29, 57-67.	6.6	58
96	Wnt-11 signaling leads to down-regulation of the Wnt/Î²-catenin, JNK/AP-1 and NF-ÎºB pathways and promotes viability in the CHO-K1 cells. Experimental Cell Research, 2008, 314, 2389-2399.	1.2	31
97	Detecting glucose-induced changes in in vitro and in vivo experiments with optical coherence tomography. Journal of Biomedical Optics, 2008, 13, 021111.	1.4	30
98	Placenta Defects and Embryonic Lethality Resulting from Disruption of Mouse Hydroxysteroid (17-Î²) Dehydrogenase 2 Gene. Molecular Endocrinology, 2008, 22, 665-675.	3.7	27
99	Wnt signaling in kidney development and disease. Organogenesis, 2008, 4, 55-59.	0.4	81
100	Reduction of BMP4 activity by gremlin 1 enables ureteric bud outgrowth and GDNF/WNT11 feedback signalling during kidney branching morphogenesis. Development (Cambridge), 2007, 134, 2397-2405.	1.2	174
101	Conditional tamoxifen Cre induced mutagenesis in the embryonic kidney in organ culture. Genesis, 2007, 45, 757-761.	0.8	9
102	In vitro studies toward noninvasive glucose monitoring with optical coherence tomography. Applied Optics, 2006, 45, 2251.	2.1	37
103	The lysyl hydroxylase isoforms are widely expressed during mouse embryogenesis, but obtain tissue- and cell-specific patterns in the adult. Matrix Biology, 2006, 25, 475-483.	1.5	34
104	Wnt-4 signaling is involved in the control of smooth muscle cell fate via Bmp-4 in the medullary stroma of the developing kidney. Developmental Biology, 2006, 293, 473-483.	0.9	51
105	Sprouty2 Is Involved in Male Sex Organogenesis by Controlling Fibroblast Growth Factor 9-Induced Mesonephric Cell Migration to the Developing Testis. Endocrinology, 2006, 147, 3777-3788.	1.4	22
106	The embryonic aorta-gonad-mesonephros region as a generator of haematopoietic stem cells. Apmis, 2005, 113, 804-812.	0.9	19
107	Polyamines are involved in murine kidney development controlling expression of c-ret, E-cadherin, and Pax2/8 genes. Differentiation, 2005, 73, 303-312.	1.0	6
108	Inactivation of FGF8 in early mesoderm reveals an essential role in kidney development. Development (Cambridge), 2005, 132, 3859-3871.	1.2	301

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109	The Partial Female to Male Sex Reversal in Wnt-4-Deficient Females Involves Induced Expression of Testosterone Biosynthetic Genes and Testosterone Production, and Depends on Androgen Action. Endocrinology, 2005, 146, 4016-4023.	1.4	91
110	Coordination of trigeminal axon navigation and patterning with tooth organ formation: epithelial-mesenchymal interactions, and epithelial Wnt4 and Tgfî²1 regulate semaphorin 3a expression in the dental mesenchyme. Development (Cambridge), 2005, 132, 323-334.	1.2	73
111	Crosstalk between Jagged1 and GDNF/Ret/GFRÎ±1 signalling regulates ureteric budding and branching. Mechanisms of Development, 2005, 122, 765-780.	1.7	37
112	A mouse model for Î±-methylacyl-CoA racemase deficiency: adjustment of bile acid synthesis and intolerance to dietary methyl-branched lipids. Human Molecular Genetics, 2004, 13, 955-965.	1.4	81
113	Murine Wnt-1 with an Internal c-myc Tag Recombinantly Produced in Escherichia coli Can Induce Intracellular Signaling of the Canonical Wnt Pathway in Eukaryotic Cells. Journal of Biological Chemistry, 2004, 279, 47520-47527.	1.6	10
114	Sprouty proteins regulate ureteric branching by coordinating reciprocal epithelial Wnt11, mesenchymal Gdnf and stromal Fgf7signalling during kidney development. Development (Cambridge), 2004, 131, 3345-3356.	1.2	97
115	Characterization and expression of the human WNT4; lack of associated germline mutations in highâ€"to moderateâ€"risk breast and ovarian cancer. Cancer Letters, 2004, 213, 83-90.	3.2	20
116	Induced Repatterning of Type XVIII Collagen Associates with Ectopic Sonic Hedgehog and Lung Surfactant C Gene Expression and Changes in Epithelial Epigenesis in the Ureteric Bud. Journal of the American Society of Nephrology: JASN, 2003, 14, S3-S8.	3.0	13
117	Wnt11andRet/Gdnfpathways cooperate in regulating ureteric branching during metanephric kidney development. Development (Cambridge), 2003, 130, 3175-3185.	1.2	415
118	Patterning parameters associated with the branching of the ureteric bud regulated by epithelial-mesenchymal interactions. International Journal of Developmental Biology, 2003, 47, 3-13.	0.3	33
119	Nephrogenesis regulated by Wnt signaling. Journal of Nephrology, 2003, 16, 279-85.	0.9	32
120	Wnt-4 Deficiency Alters Mouse Adrenal Cortex Function, Reducing Aldosterone Production. Endocrinology, 2002, 143, 4358-4365.	1.4	204
121	Expression of cytosolic acetyl-CoA synthetase gene is developmentally regulated. Mechanisms of Development, 2002, 115, 139-141.	1.7	16
122	Wnt-6 is expressed in the ureter bud and induces kidney tubule development in vitro. Genesis, 2002, 32, 259-268.	0.8	96
123	Coordinating early kidney development: lessons from gene targeting. Nature Reviews Genetics, 2002, 3, 533-543.	7.7	195
124	Expression of Sprouty genes 1 , 2 and 4 during mouse organogenesis. Mechanisms of Development, 2001, 109, 367-370.	1.7	122
125	Wntsand the female reproductive system. The Journal of Experimental Zoology, 2001, 290, 616-623.	1.4	50
126	Induction of ureter branching as a response to Wnt-2b signaling during early kidney organogenesis. Developmental Dynamics, 2001, 222, 26-39.	0.8	91

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127	Wnt signaling is required for thymocyte development and activates Tcf-1 mediated transcription. European Journal of Immunology, 2001, 31, 285-293.	1.6	182
128	Wnt signaling is required for thymocyte development and activates Tcf-1 mediated transcription. European Journal of Immunology, 2001, 31, 285-293.	1.6	5
129	Associations of FGF-3 and FGF-10 with signaling networks regulating tooth morphogenesis. Developmental Dynamics, 2000, 219, 322-332.	0.8	236
130	Differential expression of mouse laminin Î³2 and Î³2* chain transcripts. Cell and Tissue Research, 2000, 300, 129-137.	1.5	14
131	Kidney morphogenesis: cellular and molecular regulation. Mechanisms of Development, 2000, 92, 31-45.	1.7	230
132	Female development in mammals is regulated by Wnt-4 signalling. Nature, 1999, 397, 405-409.	13.7	1,115
133	Lexical Access Routes to Nouns in a Morphologically Rich Language. Journal of Memory and Language, 1999, 40, 109-135.	1.1	64
134	Molecular Genetic Studies of Wnt Signaling in the Mouse. Experimental Cell Research, 1999, 253, 336-348.	1.2	55
135	Molecular Mediators and Models of Kidney Tubule Induction.. Trends in Glycoscience and Glycotechnology, 1998, 10, 335-347.	0.0	0
136	Inductive Tissue Interactions, Cell Signaling, and the Control of Kidney Organogenesis. Cell, 1997, 90, 975-978.	13.5	126
137	Ontogeny of 17Î²-hydroxysteroid dehydrogenase type 2 mRNA expression in the developing mouse placenta and fetus. Molecular and Cellular Endocrinology, 1997, 134, 33-40.	1.6	26
138	Molecular mechanisms of cell and tissue interactions during early tooth development. , 1996, 245, 151-161.		98
139	Molecular genetic analysis of Wnt signals in mouse development. Seminars in Developmental Biology, 1995, 6, 267-274.	1.3	6
140	Epithelial transformation of metanephric mesenchyme in the developing kidney regulated by Wnt-4. Nature, 1994, 372, 679-683.	13.7	973
141	Identification of BMP-4 as a signal mediating secondary induction between epithelial and mesenchymal tissues during early tooth development. Cell, 1993, 75, 45-58.	13.5	833
142	Transient and recurrent expression of the Egr-1 gene in epithelial and mesenchymal cells during tooth morphogenesis suggests involvement in tissue interactions and in determination of cell fate. Mechanisms of Development, 1992, 39, 41-50.	1.7	30
143	Transient expression of syndecan in mesenchymal cell aggregates of the embryonic kidney. Developmental Biology, 1992, 152, 221-232.	0.9	83
144	Sequential induction of syndecan, tenascin and cell proliferation associated with mesenchymal cell condensation during early tooth development. Differentiation, 1992, 50, 97-105.	1.0	63

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145	Coordinated induction of cell proliferation and syndecan expression in dental mesenchyme by epithelium: Evidence for diffusible signals. Developmental Dynamics, 1992, 194, 105-117.	0.8	35
146	Molecular Changes in Dental Mesenchyme During Tooth Development. Frontiers of Oral Biology, 1991, 8, 42-56.	1.5	2
147	Expression of syndecan gene is induced early, is transient, and correlates with changes in mesenchymal cell proliferation during tooth organogenesis. Developmental Biology, 1991, 147, 322-333.	0.9	111
148	Syndecan and tenascin: Induction during early tooth morphogenesis and possible interactions. Cell Differentiation and Development, 1990, 32, 383-389.	0.4	19
149	Syndecan from embryonic tooth mesenchyme binds tenascin. Cell Differentiation and Development, 1989, 27, 80.	0.4	0
150	Epithelial-mesenchymal interactions regulate the stage-specific expression of a cell surface proteoglycan, syndecan, in the developing kidney. Developmental Biology, 1989, 134, 382-391.	0.9	143
151	Interceullar adhesion and induction of epithelialization in the metanephric mesenchyme. Cell Differentiation and Development, 1988, 25, 111-117.	0.4	4
152	Cell surface proteoglycan expression correlates with epithelial-mesenchymal interaction during tooth morphogenesis. Developmental Biology, 1988, 129, 565-572.	0.9	161
153	Production of monoclonal antibodies against murine dental papilla. European Journal of Oral Sciences, 1988, 96, 177-187.	0.7	1