

# Brian S Spooner

## List of Publications by Year in descending order

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54  
papers

3,137  
citations

279487

23  
h-index

189595

50  
g-index

54  
all docs

54  
docs citations

54  
times ranked

841  
citing authors

#	ARTICLE	IF	CITATIONS
1	ULTRASTRUCTURE AND FUNCTION OF GROWTH CONES AND AXONS OF CULTURED NERVE CELLS. <i>Journal of Cell Biology</i> , 1971, 49, 614-635.	2.3	742
2	MICROFILAMENTS AND CELL LOCOMOTION. <i>Journal of Cell Biology</i> , 1971, 49, 595-613.	2.3	424
3	Mammalian lung development: Interactions in primordium formation and bronchial morphogenesis. <i>The Journal of Experimental Zoology</i> , 1970, 175, 445-454.	1.4	245
4	An analysis of salivary gland morphogenesis: Role of cytoplasmic microfilaments and microtubules. <i>Developmental Biology</i> , 1972, 27, 38-54.	0.9	168
5	Collagen involvement in branching morphogenesis of embryonic lung and salivary gland. <i>Developmental Biology</i> , 1980, 77, 84-102.	0.9	160
6	THE DEVELOPMENT OF THE DORSAL AND VENTRAL MAMMALIAN PANCREAS IN VIVO AND IN VITRO. <i>Journal of Cell Biology</i> , 1970, 47, 235-246.	2.3	117
7	Heavy meromyosin binding to microfilaments involved in cell and morphogenetic movements. <i>Tissue and Cell</i> , 1973, 5, 37-46.	1.0	93
8	Inhibition of branching morphogenesis and alteration of glycosaminoglycan biosynthesis in salivary glands treated with $^{125}$ I-d-xyloside. <i>Developmental Biology</i> , 1982, 89, 417-424.	0.9	89
9	Impact of Altered Gravity on Aspects of. <i>International Review of Cytology</i> , 1994, 156, 301-373.	6.2	77
10	Cytokine secretion by immune cells in space. <i>Journal of Leukocyte Biology</i> , 1992, 52, 104-110.	1.5	76
11	Production and action of cytokines in space. <i>Advances in Space Research</i> , 1994, 14, 5-9.	1.2	57
12	Development of the embryonic mammalian pancreas: The relationship between morphogenesis and cytodifferentiation. <i>Developmental Biology</i> , 1977, 61, 119-130.	0.9	56
13	The expression of differentiation by chick embryo thyroid in cell culture. I. Functional and fine structural stability in mass and clonal culture. <i>Journal of Cellular Physiology</i> , 1970, 75, 33-47.	2.0	55
14	Microfilaments, Cell Shape Changes, and Morphogenesis of Salivary Epithelium. <i>American Zoologist</i> , 1973, 13, 1007-1022.	0.7	51
15	Distribution of tubulin and actin in neurites and growth cones of differentiating nerve cells. <i>Cell Motility</i> , 1981, 1, 167-178.	1.9	49
16	Microfilaments, Microtubules, and Extracellular Materials in Morphogenesis. <i>BioScience</i> , 1975, 25, 440-451.	2.2	48
17	Effects of papaverine and calcium-free medium on salivary gland morphogenesis. <i>Developmental Biology</i> , 1973, 33, 463-469.	0.9	46
18	Sulfated glycosaminoglycan deposition and processing at the basal epithelial surface in branching and $^{125}$ I-d-xyloside-inhibited embryonic salivary glands. <i>Developmental Biology</i> , 1985, 109, 177-183.	0.9	43

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19	Surface Movements, Microfilaments and Cell Locomotion. Novartis Foundation Symposium, 1973, 14, 53-82.	1.2	43
20	Thorotrast uptake and transit in embryonic glia, heart fibroblasts and neurons in vitro. Tissue and Cell, 1974, 6, 757-776.	1.0	41
21	Embryonic salivary gland epithelial branching activity is experimentally independent of epithelial expansion activity. Developmental Biology, 1989, 133, 569-575.	0.9	38
22	Utilization of microgravity bioreactors for differentiation of mammalian skeletal tissue. Journal of Cellular Biochemistry, 1993, 51, 252-256.	1.2	31
23	Localization of extracellular matrix components in developing mouse salivary glands by confocal microscopy. The Anatomical Record, 1992, 234, 452-459.	2.3	28
24	Extracellular Matrix Involvement in Epithelial Branching Morphogenesis. , 1986, 3, 225-260.		26
25	THE EXPRESSION OF DIFFERENTIATION BY CHICK EMBRYO THYROID IN CELL CULTURE. Journal of Cell Biology, 1971, 48, 225-234.	2.3	23
26	Membrane fusion in the growth cone-microspike region of embryonic nerve cells undergoing axon elongation in cell culture. Tissue and Cell, 1974, 6, 399-409.	1.0	23
27	Gravity in mammalian organ development: Differentiation of cultured lung and pancreas rudiments during spaceflight. The Journal of Experimental Zoology, 1994, 269, 212-222.	1.4	23
28	Mammalian pancreas development: Regeneration and differentiation in vitro. Developmental Biology, 1977, 58, 402-420.	0.9	21
29	Precardiac mesoderm differentiation in vitro. Differentiation, 1984, 28, 62-72.	1.0	20
30	Pre-metatarsal skeletal development in tissue culture at unit- and microgravity. The Journal of Experimental Zoology, 1994, 269, 230-241.	1.4	20
31	Embryonic mouse pre-metatarsal development in organ culture. The Journal of Experimental Zoology, 1993, 265, 285-294.	1.4	17
32	TGF-beta1 Inhibits Growth and Branching Morphogenesis In Embryonic Mouse Submandibular and Sublingual Glands in Vitro. (Salivary glands/extracellular matrix/epithelium/mesenchyme/organ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 21		
33	Comparison of methods for tubulin quantitation in HeLa cell and brain tissue extracts. Analytical Biochemistry, 1980, 104, 432-439.	1.1	15
34	Effects of microgravity on liposome-reconstituted cardiac gap junction channeling activity. Biochemical and Biophysical Research Communications, 1989, 161, 358-362.	1.0	14
35	Simulated Microgravity and Hypergravity Attenuate Heart Tissue Development in Explant Culture. Cells Tissues Organs, 2000, 167, 171-183.	1.3	14
36	Reconstitution of cardiac gap junction channeling activity into liposomes: A functional assay for gap junctions. Biochemical and Biophysical Research Communications, 1988, 154, 194-198.	1.0	13

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37	Development of the brine shrimp <i>Artemia</i> is accelerated during spaceflight. <i>The Journal of Experimental Zoology</i> , 1994, 269, 253-262.	1.4	13
38	Gravitational Studies in Cellular and Developmental Biology. <i>Transactions of the Kansas Academy of Science</i> , 1992, 95, 4.	0.0	12
39	Growth and Morphogenesis of Embryonic Mouse Organs on Non-Coated and Extracellular Matrix-Coated Biopore Membrane. ( <a href="#">organ-culture/growth/morphogenesis/extracellular</a> ) <i>Tj ETQq1 1 0.784314 rgBT (Overlock 10 Tf 50</i>	1.0	10
40	Educational opportunities within the NASA specialized center of research and training in gravitational biology. <i>Advances in Space Research</i> , 1994, 14, 435-438.	1.2	10
41	Effects of Postural Set on Anticipatory Muscle Activation Prior to Rapid Arm Flexion. <i>Research Quarterly for Exercise and Sport</i> , 1992, 63, 196-199.	0.8	9
42	Matrix Accumulation and the Development of Form: Proteoglycans and Branching Morphogenesis. , 1986, , 399-444.		9
43	Tubulin antibody inhibits in vitro polymerization independently of microtubule-associated proteins. <i>FEBS Letters</i> , 1978, 93, 141-145.	1.3	8
44	An autoradiographic analysis of N-linked glycoconjugates in embryonic salivary gland morphogenesis. <i>The Journal of Experimental Zoology</i> , 1987, 242, 317-324.	1.4	8
45	Growth and morphogenesis of embryonic mouse organs on biopore membrane. <i>In Vitro Cellular &amp; Developmental Biology</i> , 1990, 26, 1119-1120.	1.0	7
46	Salivary epithelium branching morphogenesis. , 1992, , 353-375.		7
47	Collagen in Organ Development. <i>Transactions of the Kansas Academy of Science</i> , 1992, 95, 29.	0.0	5
48	Brine Shrimp Development in Space: Ground-Based Data to Shuttle Flight Results. <i>Transactions of the Kansas Academy of Science</i> , 1992, 95, 87.	0.0	5
49	Clover development during spaceflight: A model system. <i>Advances in Space Research</i> , 1994, 14, 173-176.	1.2	4
50	The NASA Specialized Center of Research and Training (NSCORT) in Gravitational Biology. <i>Transactions of the Kansas Academy of Science</i> , 1992, 95, 1.	0.0	2
51	Nerve Outgrowth by Dorsal Root Ganglia in vitro: Stimulation by Inhibitors of DNA Metabolism in the Absence of Exogenous Nerve Growth Factor. <i>Differentiation</i> , 1979, 13, 117-123.	1.0	1
52	Introduction: Gravitational cellular and developmental biology. <i>The Journal of Experimental Zoology</i> , 1994, 269, 177-177.	1.4	1
53	EFFECT OF MICROGRAVITY AND HYPERGRAVITY ON EMBRYO AXIS ALIGNMENT DURING POSTENCYSTMENT EMBRYOGENESIS IN ARTEMIA FRANCISCANA (ANOSTRACA). <i>Journal of Crustacean Biology</i> , 1995, 15, 625-632.	0.3	1
54	The use of reduced temperatures for reversible developmental arrest of organ cultures prior to spaceflight experimentation and for postflight analyses. , 1997, , .		0