

A Wayne Vogl

List of Publications by Year in descending order

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99
papers

3,794
citations

109321

35
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138484

58
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100
all docs

100
docs citations

100
times ranked

6382
citing authors

#	ARTICLE	IF	CITATIONS
1	Depot-Specific Differences in Adipogenic Progenitor Abundance and Proliferative Response to High-Fat Diet. <i>Stem Cells</i> , 2009, 27, 2563-2570.	3.2	231
2	Unique and Multifunctional Adhesion Junctions in the Testis. Ectoplasmic Specializations.. <i>Archives of Histology and Cytology</i> , 2000, 63, 1-15.	0.2	184
3	Attaching and effacing pathogen-induced tight junction disruption in vivo. <i>Cellular Microbiology</i> , 2006, 8, 634-645.	2.1	157
4	Loss of wild-type huntingtin influences motor dysfunction and survival in the YAC128 mouse model of Huntington disease. <i>Human Molecular Genetics</i> , 2005, 14, 1379-1392.	2.9	149
5	Distribution and Function of Organized Concentrations of Actin Filaments in Mammalian Spermatogenic Cells and Sertoli Cells. <i>International Review of Cytology</i> , 1990, 119, 1-56.	6.2	130
6	Rat Seminiferous Epithelium Contains a Unique Junction (Ectoplasmic Specialization) with Signaling Properties Both of Cell/Cell and Cell/Matrix Junctions. <i>Biology of Reproduction</i> , 2001, 64, 396-407.	2.7	124
7	The Consequences of Actin Disruption at Sertoli Ectoplasmic Specialization Sites Facing Spermatids after in Vivo Exposure of Rat Testis to Cytochalasin D1. <i>Biology of Reproduction</i> , 1988, 39, 105-118.	2.7	116
8	Modulation of Intestinal Goblet Cell Function during Infection by an Attaching and Effacing Bacterial Pathogen. <i>Infection and Immunity</i> , 2008, 76, 796-811.	2.2	116
9	Inhibition of Autophagosome Formation by the Benzoporphyrin Derivative Verteporfin. <i>Journal of Biological Chemistry</i> , 2011, 286, 7290-7300.	3.4	116
10	Gene-Edited Human Kidney Organoids Reveal Mechanisms of Disease in Podocyte Development. <i>Stem Cells</i> , 2017, 35, 2366-2378.	3.2	101
11	Testicular degeneration in Huntington disease. <i>Neurobiology of Disease</i> , 2007, 26, 512-520.	4.4	90
12	Discovery of a sensory organ that coordinates lunge feeding in rorqual whales. <i>Nature</i> , 2012, 485, 498-501.	27.8	88
13	The ATP-binding cassette transporter 1 mediates lipid efflux from Sertoli cells and influences male fertility. <i>Journal of Lipid Research</i> , 2004, 45, 1040-1050.	4.2	86
14	Evidence That Tubulobulbar Complexes in the Seminiferous Epithelium Are Involved with Internalization of Adhesion Junctions1. <i>Biology of Reproduction</i> , 2004, 71, 548-559.	2.7	82
15	Evidence that Tight Junctions Are Disrupted Due to Intimate Bacterial Contact and Not Inflammation during Attaching and Effacing Pathogen Infection In Vivo. <i>Infection and Immunity</i> , 2006, 74, 6075-6084.	2.2	81
16	Rat Testis Motor Proteins Associated with Spermatid Translocation (Dynein) and Spermatid Flagella (Kinesin-II)1. <i>Biology of Reproduction</i> , 1999, 60, 1047-1056.	2.7	79
17	Tubulobulbar Complexes Are Intercellular Podosome-Like Structures That Internalize Intact Intercellular Junctions During Epithelial Remodeling Events in the Rat Testis1. <i>Biology of Reproduction</i> , 2009, 80, 162-174.	2.7	76
18	Cortactin (CTTN), N-WASP (WASL), and Clathrin (CLTC) Are Present at Podosome-Like Tubulobulbar Complexes in the Rat Testis1. <i>Biology of Reproduction</i> , 2009, 80, 153-161.	2.7	74

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19	The CD34-Related Molecule Podocalyxin Is a Potent Inducer of Microvillus Formation. PLoS ONE, 2007, 2, e237.	2.5	71
20	Actin localization in male germ cell intercellular bridges in the rat and ground squirrel and disruption of bridges by cytochalasin D. American Journal of Anatomy, 1987, 180, 25-40.	1.0	68
21	Ectoplasmic ("Junctional") Specializations in Mammalian Sertoli Cells: Influence on Spermatogenic Cells. Annals of the New York Academy of Sciences, 1991, 637, 175-202.	3.8	66
22	New Insights into Roles of Tubulobulbar Complexes in Sperm Release and Turnover of Blood-Testis Barrier. International Review of Cell and Molecular Biology, 2013, 303, 319-355.	3.2	66
23	Testis Fascin (FSCN3): A Novel Paralog of the Actin-Bundling Protein Fascin Expressed Specifically in the Elongate Spermatid Head. Experimental Cell Research, 2002, 275, 92-109.	2.6	65
24	Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca ²⁺ levels. Journal of Cell Science, 2007, 120, 3553-3564.	2.0	64
25	Novel clathrin/actin-based endocytic machinery associated with junction turnover in the seminiferous epithelium. Seminars in Cell and Developmental Biology, 2014, 30, 55-64.	5.0	59
26	Gelsolin "evidence for a role in turnover of junction-related actin filaments in Sertoli cells. Journal of Cell Science, 2002, 115, 499-505.	2.0	55
27	The Intermediate Filament Network in Cultured Human Keratinocytes Is Remarkably Extensible and Resilient. PLoS ONE, 2008, 3, e2327.	2.5	54
28	Retinoic acid promotes Sertoli cell differentiation and antagonises activin-induced proliferation. Molecular and Cellular Endocrinology, 2013, 377, 33-43.	3.2	50
29	Regulated expression of cyclic AMP-dependent protein kinase A reveals an influence on cell size and the secretion of virulence factors in <i>Cryptococcus neoformans</i> . Molecular Microbiology, 2012, 85, 700-715.	2.5	49
30	Gap junction hemichannels contribute to the generation of diarrhoea during infectious enteric disease. Gut, 2010, 59, 218-226.	12.1	47
31	Gelsolin-evidence for a role in turnover of junction-related actin filaments in Sertoli cells. Journal of Cell Science, 2002, 115, 499-505.	2.0	47
32	A Novel Subcellular Machine Contributes to Basal Junction Remodeling in the Seminiferous Epithelium1. Biology of Reproduction, 2013, 88, 60.	2.7	43
33	Cell size and shape changes in the myoepithelium of the mammary gland during differentiation. The Anatomical Record, 1986, 216, 405-415.	1.8	42
34	The Deubiquitinase Activity of the Salmonella Pathogenicity Island 2 Effector, SseL, Prevents Accumulation of Cellular Lipid Droplets. Infection and Immunity, 2011, 79, 4392-4400.	2.2	40
35	Novel muscle and connective tissue design enables high extensibility and controls engulfment volume in lunge-feeding rorqual whales. Journal of Experimental Biology, 2013, 216, 2691-701.	1.7	40
36	Spermatid Translocation in the Rat Seminiferous Epithelium: Coupling Membrane Trafficking Machinery to a Junction Plaque1. Biology of Reproduction, 1999, 60, 1036-1046.	2.7	36

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37	Internalization of adhesion junction proteins and their association with recycling endosome marker proteins in rat seminiferous epithelium. <i>Reproduction</i> , 2012, 143, 347-357.	2.6	34
38	Immunolocalization of proton-ATPase in the gills of the elasmobranch, <i>Squalus acanthias</i> . , 1997, 278, 78-86.		33
39	Podocalyxin is required for maintaining blood-brain barrier function during acute inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4518-4527.	7.1	30
40	Stretchy nerves are an essential component of the extreme feeding mechanism of rorqual whales. <i>Current Biology</i> , 2015, 25, R360-R361.	3.9	29
41	Ultrastructure of the <i>O</i> Organ of <i>C</i> orti: Scanning and transmission electron microscopy. <i>Journal of Comparative Neurology</i> , 2015, 523, 431-448.	1.6	28
42	Plectin is concentrated at intercellular junctions and at the nuclear surface in morphologically differentiated rat Sertoli cells. , 1999, 254, 418-428.		27
43	Cortactin depletion results in short tubulobulbar complexes and spermiation failure in rat testes. <i>Biology Open</i> , 2012, 1, 1069-1077.	1.2	27
44	A Kinesin Is Present at Unique Sertoli/Spermatid Adherens Junctions in Rat and Mouse Testes1. <i>Biology of Reproduction</i> , 2007, 77, 1037-1048.	2.7	26
45	Ca ²⁺ signaling machinery is present at intercellular junctions and structures associated with junction turnover in rat Sertoli cells. <i>Biology of Reproduction</i> , 2017, 96, 1288-1302.	2.7	26
46	Ulcerative Colitis-associated <i>E. coli</i> pathobionts potentiate colitis in susceptible hosts. <i>Gut Microbes</i> , 2020, 12, 1847976.	9.8	26
47	Spatially dynamic intercellular adhesion junction is coupled to a microtubule-based motility system: Evidence from an in vitro binding assay. , 1996, 34, 1-12.		24
48	Focal adhesion proteins Zyxin and Vinculin are co-distributed at tubulobulbar complexes. <i>Spermatogenesis</i> , 2012, 2, 63-68.	0.8	23
49	Distinct Functional Requirements for Podocalyxin in Immature and Mature Podocytes Reveal Mechanisms of Human Kidney Disease. <i>Scientific Reports</i> , 2020, 10, 9419.	3.3	23
50	Prenatal Ethanol Exposure Delays the Onset of Spermatogenesis in the Rat. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1074-1081.	2.4	20
51	Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. <i>Scientific Reports</i> , 2020, 10, 20937.	3.3	20
52	The Muc2 mucin coats murine Paneth cell granules and facilitates their content release and dispersion. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G195-G205.	3.4	19
53	Effects of Ethanol Consumption on the Morphology of the Rat Seminiferous Epithelium. <i>Journal of Andrology</i> , 1988, 9, 261-269.	2.0	18
54	Two Levels of Waviness Are Necessary to Package the Highly Extensible Nerves in Rorqual Whales. <i>Current Biology</i> , 2017, 27, 673-679.	3.9	18

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55	Pannexin 2 Localizes at ER-Mitochondria Contact Sites. <i>Cancers</i> , 2019, 11, 343.	3.7	18
56	Characterization of filaments within Leydig cells of the rat testis. <i>American Journal of Anatomy</i> , 1987, 178, 231-240.	1.0	15
57	Localization of Cytochrome P450 and Related Enzymes in Adult Rat Testis and Downregulation by Estradiol and Bisphenol A. <i>Toxicological Sciences</i> , 2014, 140, 26-39.	3.1	14
58	Controlling thoracic pressures in cetaceans during a breath-hold dive: importance of the diaphragm. <i>Journal of Experimental Biology</i> , 2017, 220, 3464-3477.	1.7	14
59	Awareness of and access to a unified terminology by anatomists. <i>Anatomical Sciences Education</i> , 2009, 2, 139-140.	3.7	13
60	Release of Membrane-Bound Vesicles and Inhibition of Tumor Cell Adhesion by the Peptide Neopetrosiamide A. <i>PLoS ONE</i> , 2010, 5, e10836.	2.5	12
61	Palladin Compensates for the Arp2/3 Complex and Supports Actin Structures during <i>Listeria</i> Infections. <i>MBio</i> , 2018, 9, .	4.1	12
62	The endoplasmic reticulum, calcium signaling and junction turnover in Sertoli cells. <i>Reproduction</i> , 2018, 155, R93-R104.	2.6	12
63	Echolocating Whales and Bats Express the Motor Protein Prestin in the Inner Ear: A Potential Marker for Hearing Loss. <i>Frontiers in Veterinary Science</i> , 2020, 7, 429.	2.2	12
64	An Alternative Model of Tubulobulbar Complex Internalization During Junction Remodeling in the Seminiferous Epithelium of the Rat Testis1. <i>Biology of Reproduction</i> , 2015, 93, 12.	2.7	11
65	Using morphology to infer physiology: case studies on rorqual whales (<i>Balaenopteridae</i>). <i>Canadian Journal of Zoology</i> , 2015, 93, 687-700.	1.0	11
66	High Resolution Localization of Rab5, EEA1, and Nectin-3 to Tubulobulbar Complexes in the Rat Testis. <i>Anatomical Record</i> , 2017, 300, 1160-1170.	1.4	11
67	Internalization of Intact Intercellular Junctions in the Testis by Clathrin/Actin-Mediated Endocytic Structures: Tubulobulbar Complexes. <i>Anatomical Record</i> , 2018, 301, 2080-2085.	1.4	11
68	<i>Listeria monocytogenes</i> Exploits Host Caveolin for Cell-to-Cell Spreading. <i>MBio</i> , 2020, 11, .	4.1	11
69	Impact and Reversibility of Chronic Ethanol Feeding on the Reproductive Axis in the Peripubertal Male Rat. <i>Endocrine</i> , 1999, 11, 277-284.	2.2	10
70	A network of spectrin and plectin surrounds the actin cuffs of apical tubulobulbar complexes in the rat. <i>Spermatogenesis</i> , 2013, 3, e25733.	0.8	10
71	Sertoli cell anatomy and cytoskeleton. , 2015, , 1-55.		10
72	The caval sphincter in cetaceans and its predicted role in controlling venous flow during a dive. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	9

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73	The Invasion Inhibitor Sarasinamide A1 Reverses Mesenchymal Tumor Transformation in an E-Cadherin-Independent Manner. <i>Molecular Cancer Research</i> , 2013, 11, 530-540.	3.4	8
74	Slick, Stretchy Fascia Underlies the Sliding Tongue of Rorquals. <i>Anatomical Record</i> , 2019, 302, 735-744.	1.4	7
75	Rorqual whale nasal plugs: protecting the respiratory tract against water entry and barotrauma. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	7
76	Listeria Membrane Protrusion Collapse: Requirement of Cyclophilin A for Listeria Cell-to-Cell Spreading. <i>Journal of Infectious Diseases</i> , 2018, 219, 145-153.	4.0	6
77	Laryngeal and soft palate valving in the harbour seal (<i>Phoca vitulina</i>). <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
78	The Functional Anatomy of Nerves Innervating the Ventral Grooved Blubber of Fin Whales (<i>Balaenoptera Physalus</i>). <i>Anatomical Record</i> , 2017, 300, 1963-1972.	1.4	5
79	An Introduction to Actin and Actin-Rich Structures. <i>Anatomical Record</i> , 2018, 301, 1986-1990.	1.4	5
80	Anatomical mechanism for protecting the airway in the largest animals on earth. <i>Current Biology</i> , 2022, 32, 898-903.e1.	3.9	5
81	Glycogen pools in the arterial thoracic retia of the narwhal, <i>Monodon monoceros</i> , and their possible significance. <i>Canadian Journal of Zoology</i> , 1976, 54, 425-429.	1.0	4
82	Detection of Protein Structure of Frozen Ancient Human Remains Recovered from a Glacier in Canada Using Synchrotron Fourier Transform Infrared Microspectroscopy. <i>Microscopy and Microanalysis</i> , 2013, 19, 565-575.	0.4	4
83	Lipid transfer machinery is present at membrane contact sites associated with the internalization of junctions in Sertoli cells. <i>Biology of Reproduction</i> , 2019, 101, 662-663.	2.7	4
84	Knockdown of IP3R1 disrupts tubulobulbar complex-ectoplasmic reticulum contact sites and the morphology of apical processes encapsulating late spermatids. <i>Biology of Reproduction</i> , 2020, 103, 669-680.	2.7	4
85	Lack of inter-species reactivity between antigens and antibodies is overcome by protease treatment of Western blots. <i>Electrophoresis</i> , 1993, 14, 892-898.	2.4	3
86	Detailed Examination of Cytoskeletal Networks Within Enteropathogenic <i>Escherichia coli</i> Pedestals. <i>Anatomical Record</i> , 2012, 295, 201-207.	1.4	3
87	A "Welcoming" Introduction to a Canadian Northwest Coast Thematic Papers Issue. <i>Anatomical Record</i> , 2017, 300, 1930-1934.	1.4	3
88	mDia1 Assembles a Linear F-Actin Coat at Membrane Invaginations To Drive Listeria monocytogenes Cell-to-Cell Spreading. <i>MBio</i> , 2021, , e0293921.	4.1	3
89	Actin Disruption Results in Altered Morphology of Basal Tubulobulbar Complexes in Rat Seminiferous Epithelium. <i>Anatomical Record</i> , 2016, 299, 1449-1455.	1.4	2
90	Morphological analysis of Francisella novicida epithelial cell infections in the absence of functional FipA. <i>Cell and Tissue Research</i> , 2016, 363, 449-459.	2.9	1

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91	ORP9 knockdown delays the maturation of junction-related endocytic structures in the testis and leads to impaired sperm release. <i>Biology of Reproduction</i> , 2020, 103, 1314-1323.	2.7	1
92	Cortactin is a component of tubulobulbar complexes in Sertoli cells. <i>FASEB Journal</i> , 2007, 21, A224.	0.5	1
93	Microscopic Anatomy of the Upper Aerodigestive Tract in Harbour Seals (<i>Phoca vitulina</i>): Functional Adaptations to Swallowing. <i>Anatomical Record</i> , 0, , .	1.4	1
94	Cortactin knockdown results in disruption of basal TBCs and alters turnover of Sertoli cell ESs in <i>Rattus norvegicus</i> . <i>Biology of Reproduction</i> , 2021, 105, 1330-1343.	2.7	0
95	Transfection of Sertoli cells ex vivo; Opening the door to the in vitro study of junction turnover in the seminiferous epithelium. <i>FASEB Journal</i> , 2006, 20, A883.	0.5	0
96	Evidence that a kinesin is associated with ectoplasmic specializations in the testis. <i>FASEB Journal</i> , 2006, 20, A883.	0.5	0
97	Intimate attachment of A/E pathogens disrupt Tight Junctions <i>in vivo</i> . <i>FASEB Journal</i> , 2006, 20, A449.	0.5	0
98	Functional Gap Junction Hemichannels are Generated In Vivo During Infectious Enteric Disease. <i>FASEB Journal</i> , 2007, 21, A80.	0.5	0
99	Attaching and Effacing Pathogen Infection Causes an Increase in Functional Connexin 43 Hemichannels to Generate Diarrhea.. <i>FASEB Journal</i> , 2009, 23, 827.3.	0.5	0