

A Wayne Vogl

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

3,794
citations

109321

35
h-index

138484

58
g-index

100
all docs

100
docs citations

100
times ranked

6382
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomical mechanism for protecting the airway in the largest animals on earth. <i>Current Biology</i> , 2022, 32, 898-903.e1.	3.9	5
2	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
3	mDia1 Assembles a Linear F-Actin Coat at Membrane Invaginations To Drive <i>Listeria monocytogenes</i> Cell-to-Cell Spreading. <i>MBio</i> , 2021, , e0293921.	4.1	3
4	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
5	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
6	Ulcerative Colitis-associated <i>E. coli</i> pathobionts potentiate colitis in susceptible hosts. <i>Gut Microbes</i> , 2020, 12, 1847976.	9.8	26
7	Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. <i>Scientific Reports</i> , 2020, 10, 20937.	3.3	20
8	Laryngeal and soft palate valving in the harbour seal (<i>Phoca vitulina</i>). <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	6
9	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
10	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
11	Rorqual whale nasal plugs: protecting the respiratory tract against water entry and barotrauma. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	7
12	<i>Listeria monocytogenes</i> Exploits Host Caveolin for Cell-to-Cell Spreading. <i>MBio</i> , 2020, 11, .	4.1	11
13	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
14	Pannexin 2 Localizes at ER-Mitochondria Contact Sites. <i>Cancers</i> , 2019, 11, 343.	3.7	18
15	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
16	Slick, Stretchy Fascia Underlies the Sliding Tongue of Rorquals. <i>Anatomical Record</i> , 2019, 302, 735-744.	1.4	7
17	<i>Listeria</i> Membrane Protrusion Collapse: Requirement of Cyclophilin A for <i>Listeria</i> Cell-to-Cell Spreading. <i>Journal of Infectious Diseases</i> , 2018, 219, 145-153.	4.0	6
18	Palladin Compensates for the Arp2/3 Complex and Supports Actin Structures during <i>Listeria</i> Infections. <i>MBio</i> , 2018, 9, .	4.1	12

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19	The endoplasmic reticulum, calcium signaling and junction turnover in Sertoli cells. <i>Reproduction</i> , 2018, 155, R93-R104.	2.6	12
20	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
21	An Introduction to Actin and Actin-Rich Structures. <i>Anatomical Record</i> , 2018, 301, 1986-1990.	1.4	5
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Gene-Edited Human Kidney Organoids Reveal Mechanisms of Disease in Podocyte Development. <i>Stem Cells</i> , 2017, 35, 2366-2378.	3.2	101
30	A "Welcoming" Introduction to a Canadian Northwest Coast Thematic Papers Issue. <i>Anatomical Record</i> , 2017, 300, 1930-1934.	1.4	3
31	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
32	Morphological analysis of <i>Francisella novicida</i> epithelial cell infections in the absence of functional FipA. <i>Cell and Tissue Research</i> , 2016, 363, 449-459.	2.9	1
33	Sertoli cell anatomy and cytoskeleton. , 2015, , 1-55.		10
34	An Alternative Model of Tubulobulbar Complex Internalization During Junction Remodeling in the Seminiferous Epithelium of the Rat Testis. <i>Biology of Reproduction</i> , 2015, 93, 12.	2.7	11
35	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
36	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

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37	Ultrastructure of the Otolith Organ of <i>Cyprinus carpio</i> : Scanning and transmission electron microscopy. <i>Journal of Comparative Neurology</i> , 2015, 523, 431-448.	1.6	28
38	Novel clathrin/actin-based endocytic machinery associated with junction turnover in the seminiferous epithelium. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 55-64.	5.0	59
39	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
40	Retinoic acid promotes Sertoli cell differentiation and antagonises activin-induced proliferation. <i>Molecular and Cellular Endocrinology</i> , 2013, 377, 33-43.	3.2	50
41	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
42	A Novel Subcellular Machine Contributes to Basal Junction Remodeling in the Seminiferous Epithelium. <i>Biology of Reproduction</i> , 2013, 88, 60.	2.7	43
43	New Insights into Roles of Tubulobulbar Complexes in Sperm Release and Turnover of Blood-Testis Barrier. <i>International Review of Cell and Molecular Biology</i> , 2013, 303, 319-355.	3.2	66
44	Novel muscle and connective tissue design enables high extensibility and controls engulfment volume in lunge-feeding rorqual whales. <i>Journal of Experimental Biology</i> , 2013, 216, 2691-701.	1.7	40
45	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
46	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
47	The Invasion Inhibitor Sarasinoid A1 Reverses Mesenchymal Tumor Transformation in an E-Cadherin-Independent Manner. <i>Molecular Cancer Research</i> , 2013, 11, 530-540.	3.4	8
48	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
49	Focal adhesion proteins Zyxin and Vinculin are co-distributed at tubulobulbar complexes. <i>Spermatogenesis</i> , 2012, 2, 63-68.	0.8	23
50	Cortactin depletion results in short tubulobulbar complexes and spermiation failure in rat testes. <i>Biology Open</i> , 2012, 1, 1069-1077.	1.2	27
51	Discovery of a sensory organ that coordinates lunge feeding in rorqual whales. <i>Nature</i> , 2012, 485, 498-501.	27.8	88
52	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> . <i>Molecular Microbiology</i> , 2012, 85, 700-715.	2.5	49
53	Detailed Examination of Cytoskeletal Networks Within Enteropathogenic <i>Escherichia coli</i> Pedestals. <i>Anatomical Record</i> , 2012, 295, 201-207.	1.4	3
54	Inhibition of Autophagosome Formation by the Benzoporphyrin Derivative Verteporfin. <i>Journal of Biological Chemistry</i> , 2011, 286, 7290-7300.	3.4	116

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55	The Deubiquitinase Activity of the Salmonella Pathogenicity Island 2 Effector, SseL, Prevents Accumulation of Cellular Lipid Droplets. <i>Infection and Immunity</i> , 2011, 79, 4392-4400.	2.2	40
56	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
57	Gap junction hemichannels contribute to the generation of diarrhoea during infectious enteric disease. <i>Gut</i> , 2010, 59, 218-226.	12.1	47
58	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
59	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
60	Awareness of and access to a unified terminology by anatomists. <i>Anatomical Sciences Education</i> , 2009, 2, 139-140.	3.7	13
61	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
62	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
63	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
64	The Intermediate Filament Network in Cultured Human Keratinocytes Is Remarkably Extensible and Resilient. <i>PLoS ONE</i> , 2008, 3, e2327.	2.5	54
65	Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca ²⁺ levels. <i>Journal of Cell Science</i> , 2007, 120, 3553-3564.	2.0	64
66	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
67	The CD34-Related Molecule Podocalyxin Is a Potent Inducer of Microvillus Formation. <i>PLoS ONE</i> , 2007, 2, e237.	2.5	71
68	Testicular degeneration in Huntington disease. <i>Neurobiology of Disease</i> , 2007, 26, 512-520.	4.4	90
69	Cortactin is a component of tubulobulbar complexes in Sertoli cells. <i>FASEB Journal</i> , 2007, 21, A224.	0.5	1
70	Functional Gap Junction Hemichannels are Generated In Vivo During Infectious Enteric Disease. <i>FASEB Journal</i> , 2007, 21, A80.	0.5	0
71	Attaching and effacing pathogen-induced tight junction disruption in vivo. <i>Cellular Microbiology</i> , 2006, 8, 634-645.	2.1	157
72	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

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73	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
74	Evidence that a kinesin is associated with ectoplasmic specializations in the testis. <i>FASEB Journal</i> , 2006, 20, A883.	0.5	0
75	Intimate attachment of A/E pathogens disrupt Tight Junctions <i>in vivo</i>. <i>FASEB Journal</i> , 2006, 20, A449.	0.5	0
76	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
77	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
78	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
79	Testis Fascin (FSCN3): A Novel Paralog of the Actin-Bundling Protein Fascin Expressed Specifically in the Elongate Spermatid Head. <i>Experimental Cell Research</i> , 2002, 275, 92-109.	2.6	65
80	Gelsolin â€™ evidence for a role in turnover of junction-related actin filaments in Sertoli cells. <i>Journal of Cell Science</i> , 2002, 115, 499-505.	2.0	55
81	Gelsolin–evidence for a role in turnover of junction-related actin filaments in Sertoli cells. <i>Journal of Cell Science</i> , 2002, 115, 499-505.	2.0	47
82	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
83	Unique and Multifunctional Adhesion Junctions in the Testis. <i>Ectoplasmic Specializations.. Archives of Histology and Cytology</i> , 2000, 63, 1-15.	0.2	184
84	Spermatid Translocation in the Rat Seminiferous Epithelium: Coupling Membrane Trafficking Machinery to a Junction Plaque1. <i>Biology of Reproduction</i> , 1999, 60, 1036-1046.	2.7	36
85	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
86	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
87	Plectin is concentrated at intercellular junctions and at the nuclear surface in morphologically differentiated rat Sertoli cells. , 1999, 254, 418-428.		27
88	Immunolocalization of proton-ATPase in the gills of the elasmobranch, <i>Squalus acanthias</i> . , 1997, 278, 78-86.		33
89	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
90	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

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91	Ectoplasmic ("Junctional") Specializations in Mammalian Sertoli Cells: Influence on Spermatogenic Cells. <i>Annals of the New York Academy of Sciences</i> , 1991, 637, 175-202.	3.8	66
92	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
93	Effects of Ethanol Consumption on the Morphology of the Rat Seminiferous Epithelium. <i>Journal of Andrology</i> , 1988, 9, 261-269.	2.0	18
94	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
95	Characterization of filaments within Leydig cells of the rat testis. <i>American Journal of Anatomy</i> , 1987, 178, 231-240.	1.0	15
96	Actin localization in male germ cell intercellular bridges in the rat and ground squirrel and disruption of bridges by cytochalasin D. <i>American Journal of Anatomy</i> , 1987, 180, 25-40.	1.0	68
97	Cell size and shape changes in the myoepithelium of the mammary gland during differentiation. <i>The Anatomical Record</i> , 1986, 216, 405-415.	1.8	42
98	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
99	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