Michael Hortsch

List of Publications by Year
in descending order

77 papers	3,540 citations	147801 31 h-index	138484 58 g-index
80 all docs	80 docs citations	80 times ranked	2585 citing authors

#	Article	IF	Citations
1	Histology education in an integrated, timeâ€restricted medical curriculum: Academic outcomes and students' study adaptations. Anatomical Sciences Education, 2022, 15, 671-684.	3.7	12
2	Brave new Eâ€world: Medical studentsâ€™ preferences for and usage of electronic learning resources during two different phases of their education. FASEB BioAdvances, 2022, 4, 298-308.	2.4	9
3	The importance of the human element in teaching the anatomical sciences. Surgical and Radiologic Anatomy, 2022, 44, 499-500.	1.2	0
4	Digital information and communication technologies on histology learning: What to expect?â€"An integrative review. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2022, 51, 180-188.	0.7	6
5	Brave New Eâ€World: Medical Studentsâ€™ Preferences for and Usage of Electronic Learning Resources during Two Different Phases of Their Education. FASEB Journal, 2022, 36, .	0.5	1
6	What faculty write versus what students see? Perspectives on multiple-choice questions using Bloomâ€™s taxonomy. Medical Teacher, 2021, 43, 575-582.	1.8	6
7	ObGyn Delivered: Social Media Serving Medical Studentsâ€™ Learning Needs. Medical Science Educator, 2021, 31, 827-836.	1.5	6
8	The road taken â€" changing oneâ€™s professional focus at a large research university. Developmental Biology, 2020, 459, 39-42.	2.0	0
9	How students choose Eâ€learning resources: The importance of ease, familiarity, and convenience. FASEB BioAdvances, 2020, 2, 286-295.	2.4	19
10	Introduction to the special collection on biomedical education. FASEB BioAdvances, 2020, 2, 629-630.	2.4	2
11	Overcoming Barriers in a Traditional Medical Education System by the Stepwise, Evidence-Based Introduction of a Modern Learning Technology. Medical Science Educator, 2019, 29, 803-817.	1.5	15
12	How to Make Educational Lemonade Out of a Didactic Lemon: The Benefits of Listening to Your Students. Anatomical Sciences Education, 2019, 12, 572-576.	3.7	11
13	The virtual microscopy databaseâ€"sharing digital microscope images for research and education. Anatomical Sciences Education, 2018, 11, 510-515.	3.7	38
14	The interrupted learner: How distractions during live and video lectures influence learning outcomes. Anatomical Sciences Education, 2018, 11, 366-376.	3.7	59
15	Climbing Bloom's taxonomy pyramid: Lessons from a graduate histology course. Anatomical Sciences Education, 2017, 10, 456-464.	3.7	39
16	In Reply to Wald. Academic Medicine, 2017, 92, 277.	1.6	0
17	Sharing Virtual Histology Images Worldwide - The Virtual Microscopy Database. Journal of Cytology & Histology, 2017, 08, .	0.1	3
18	Artistsâ€™ Statement. Academic Medicine, 2016, 91, 490.	1.6	1

#	ARTICLE	IF	CITATIONS
19	Taking a SecondLookâ„¢ at a Time-Efficient Self-Review Resource. Medical Science Educator, 2016, 26, 3-4.	1.5	9
20	Correlating students' educational background, study habits, and resource usage with learning success in medical histology. Anatomical Sciences Education, 2015, 8, 1-11.	3.7	60
21	When students struggle with gross anatomy and histology: A strategy for monitoring, reviewing, and promoting student academic success in an integrated preclinical medical curriculum. Anatomical Sciences Education, 2015, 8, 478-483.	3.7	28
22	â€œHow we learn may not always be good for usâ€•â€“ Do new electronic teaching approaches always result in better learning outcomes?. Medical Teacher, 2015, 37, 507-509.	1.8	12
23	Learning histology â€“ dental and medical students' study strategies. European Journal of Dental Education, 2015, 19, 65-73.	2.0	30
24	The L1 Family of Cell Adhesion Molecules: A Sickening Number of Mutations and Protein Functions. Advances in Neurobiology, 2014, 8, 195-229.	1.8	38
25	A Phylogenetic Analysis of the L1 Family of Neural Cell Adhesion Molecules. Neurochemical Research, 2013, 38, 1196-1207.	3.3	10
26	Preference of Interactive Electronic Versus Traditional Learning Resources by University of Michigan Medical Students during the First Year Histology Component. Medical Science Educator, 2013, 23, 607-619.	1.5	36
27	Virtual Biology: Teaching Histology in the Age of Facebook. FASEB Journal, 2013, 27, 411-413.	0.5	18
28	Differential Effects of Human L1CAM Mutations on Complementing Guidance and Synaptic Defects in Drosophila melanogaster. PLoS ONE, 2013, 8, e76974.	2.5	12
29	From Microscopes to Virtual Reality â€“ How Our Teaching of Histology is Changing. Journal of Cytology & Histology, 2013, 04, .	0.1	11
30	Taking a SecondLook â„¢ at teaching histology â€“ Development of a selfâ€evaluation iPad application. FASEB Journal, 2013, 27, 959.2.	0.5	0
31	Cross-Species Analyses Identify the BNIP-2 and Cdc42GAP Homology (BCH) Domain as a Distinct Functional Subclass of the CRAL_TRIO/Sec14 Superfamily. PLoS ONE, 2012, 7, e33863.	2.5	16
32	Expression of Caytaxin Protein in Cayman Ataxia Mouse Models Correlates with Phenotype Severity. PLoS ONE, 2012, 7, e50570.	2.5	14
33	The <i>Drosophila</i> L1CAM homolog Neuroglian signals through distinct pathways to control different aspects of mushroom body axon development. Development (Cambridge), 2011, 138, 1595-1605.	2.5	35
34	Increased activity of <i>Diaphanous homolog 3</i> (<i>DIAPH3</i>)/ <i>diaphanous</i> causes hearing defects in humans with auditory neuropathy and in <i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13396-13401.	7.1	103
35	Fasciclin II: The NCAM Ortholog in Drosophila melanogaster. Advances in Experimental Medicine and Biology, 2010, 663, 387-401.	1.6	16
36	Fasciclin II: The NCAM Ortholog in Drosophila melanogaster. Neurochemical Research, 2010, , 387.	3.3	4

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37	Pathogenic human L1-CAM mutations reduce the adhesion-dependent activation of EGFR. Human Molecular Genetics, 2009, 18, 3822-3831.	2.9	22
38	The interaction between L1-type proteins and ankyrins - a master switch for L1-type CAM function. Cellular and Molecular Biology Letters, 2009, 14, 57-69.	7.0	49
39	Cell Adhesion Molecules of the NCAM Family and Their Roles at Synapses. , 2009, , 265-299.		2
40	A Conserved Role for Drosophila Neuroglian and Human L1-CAM in Central-Synapse Formation. Current Biology, 2006, 16, 12-23.	3.9	114
41	Phosphorylation of L1-type cell-adhesion molecules â€“ ankyrins away!. Trends in Biochemical Sciences, 2006, 31, 544-546.	7.5	15
42	Genetic analysis of an overlapping functional requirement for L1- and NCAM-type proteins during sensory axon guidance in Drosophila. Molecular and Cellular Neurosciences, 2005, 28, 141-152.	2.2	41
43	Activation of EGF Receptor Kinase by L1-mediated Homophilic Cell Interactions. Molecular Biology of the Cell, 2004, 15, 2003-2012.	2.1	73
44	Drosophila contactin, a homolog of vertebrate contactin, is required for septate junction organization and paracellular barrier function. Development (Cambridge), 2004, 131, 4931-4942.	2.5	134
45	Neuroglian stabilizes epithelial structure duringDrosophila oogenesis. Developmental Dynamics, 2004, 230, 800-808.	1.8	26
46	Septate and paranodal junctions: kissing cousins. Trends in Cell Biology, 2003, 13, 557-561.	7.9	45
47	Drosophila Echinoid is an antagonist of Egfr signalling, but is not a member of the L1-type family of cell adhesion molecules. Development (Cambridge), 2003, 130, 5295-5295.	2.5	3
48	Neuroglian activates Echinoid to antagonize the Drosophila EGF receptor signaling pathway. Development (Cambridge), 2003, 130, 2051-2059.	2.5	57
49	Neural cell adhesion molecules - brain glue and much more. Frontiers in Bioscience - Landmark, 2003, 8, d357-359.	3.0	9
50	Structural Requirements for Interaction of Sodium Channel Î²1 Subunits with Ankyrin. Journal of Biological Chemistry, 2002, 277, 26681-26688.	3.4	139
51	The Axonal Localization of Large Drosophila Ankyrin2 Protein Isoforms Is Essential for Neuronal Functionality. Molecular and Cellular Neurosciences, 2002, 20, 43-55.	2.2	33
52	The Two Major Protein Isoforms of Ankyrin 2 are Differentially Localized in Drosophila Neurons. Cellular and Molecular Biology Letters, 2001, 6, 209.	7.0	1
53	The L1-Type Cell Adhesion Molecule Neuroglian Influences the Stability of Neural Ankyrin in the Drosophila Embryo But Not Its Axonal Localization. Journal of Neuroscience, 2000, 20, 4515-4523.	3.6	44
54	Sodium Channel Î² Subunits Mediate Homophilic Cell Adhesion and Recruit Ankyrin to Points of Cell-Cell Contact. Journal of Biological Chemistry, 2000, 275, 11383-11388.	3.4	247

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55	Structural and Functional Evolution of the L1 Family: Are Four Adhesion Molecules Better Than One?. Molecular and Cellular Neurosciences, 2000, 15, 1-10.	2.2	195
56	The analysis of genomic structures in the L1 family of cell adhesion molecules provides no evidence for exon shuffling events after the separation of arthropod and chordate lineages. Gene, 1998, 215, 47-55.	2.2	14
57	A Conserved Role for L1 as a Transmembrane Link Between Neuronal Adhesion and Membrane Cytoskeleton Assembly. Cell Adhesion and Communication, 1998, 5, 61-73.	1.7	47
58	Structural Requirements for Outside-In and Inside-Out Signaling by Drosophila Neuroglian, a Member of the L1 Family of Cell Adhesion Molecules. Journal of Cell Biology, 1998, 142, 251-261.	5.2	68
59	Cis-activation of L1-mediated Ankyrin Recruitment by TAG-1 Homophilic Cell Adhesion. Journal of Biological Chemistry, 1998, 273, 33354-33359.	3.4	74
60	LI-Cadherinâ€“mediated Cellâ€“Cell Adhesion Does Not Require Cytoplasmic Interactions. Journal of Cell Biology, 1997, 136, 1109-1121.	5.2	88
61	Ethanol Does Not Inhibit the Adhesive Activity ofDrosophila Neuroglian or Human L1 in DrosophilaS2 Tissue Culture Cells. Journal of Biological Chemistry, 1997, 272, 12244-12247.	3.4	23
62	Duplications in nomenclature. Nature, 1997, 389, 539-539.	27.8	19
63	The L1 Family of Neural Cell Adhesion Molecules: Old Proteins Performing New Tricks. Neuron, 1996, 17, 587-593.	8.1	237
64	The Cytoplasmic Domain of the Drosophila Cell Adhesion Molecule Neuroglian Is Not Essential for Its Homophilic Adhesive Properties in S2 Cells. Journal of Biological Chemistry, 1995, 270, 18809-18817.	3.4	62
65	Chapter 17 Preparation and Analysis of Membranes and Membrane Proteins from Drosophila. Methods in Cell Biology, 1994, 44, 289-301.	1.1	10
66	Annulin, a protein expressed at limb segment boundaries in the grasshopper embryo, is homologous to protein cross-linking transglutaminases. Developmental Biology, 1992, 154, 143-159.	2.0	55
67	Sticky molecules in not-so-sticky cells. Trends in Biochemical Sciences, 1991, 16, 283-287.	7.5	20
68	Cell and Substrate Adhesion Molecules in Drosophila. Annual Review of Cell Biology, 1991, 7, 505-557.	26.1	126
69	Differential splicing generates a nervous systemâ€"Specific form of drosophila neuroglian. Neuron, 1990, 4, 697-709.	8.1	166
70	Drosophila neuroglian: A member of the immunoglobulin superfamily with extensive homology to the vertebrate neural adhesion molecule L1. Cell, 1989, 59, 447-460.	28.9	391
71	The human docking protein does not associate with the membrane of the rough endoplasmic reticulum via a signal or insertion sequence-mediated mechanism. Biochemical and Biophysical Research Communications, 1988, 150, 111-117.	2.1	18
72	Complete cDNA sequence coding for human docking protein. Nucleic Acids Research, 1988, 16, 361-362.	14.5	31

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73	Specific release of protein disulphide-isomerase from pancreatic microsomal membranes. Biochemical Society Transactions, 1988, 16, 58-58.	3.4	4
74	A membrane preparation that contains proteins characteristic of the rough endoplasmic reticulum. Biology of the Cell, 1988, 62, 281-288.	2.0	3
75	Transfer of Secretory Proteins through the Membrane of the Endoplasmic Reticulum. International Review of Cytology, 1986, 102, 215-242.	6.2	63
76	Immunochemical analysis of rough and smooth microsomes from rat liver. Segregation of docking protein in rough membranes. FEBS Journal, 1985, 150, 559-564.	0.2	58
77	Regulation of the membrane permeability of spinach chloroplasts by binding of adenine nucleotides. FEBS Letters, 1981, 136, 25-31.	2.8	32