

Martin R Schiller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7981163/publications.pdf>

Version: 2024-02-01

69
papers

2,372
citations

218677

26
h-index

214800

47
g-index

73
all docs

73
docs citations

73
times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Induction of Dendritic Spine Morphogenesis by trans-Synaptic EphrinB-EphB Receptor Activation of the Rho-GEF Kalirin. <i>Neuron</i> , 2003, 37, 263-274.	8.1	418
2	High-Throughput Phosphotyrosine Profiling Using SH2 Domains. <i>Molecular Cell</i> , 2007, 26, 899-915.	9.7	163
3	Coupling receptor tyrosine kinases to Rho GTPasesâ€™ GEFs what's the link. <i>Cellular Signalling</i> , 2006, 18, 1834-1843.	3.6	120
4	Minimotif Miner: a tool for investigating protein function. <i>Nature Methods</i> , 2006, 3, 175-177.	19.0	116
5	Loss-of-Function Mutations of ILDR1 Cause Autosomal-Recessive Hearing Impairment DFNB42. <i>American Journal of Human Genetics</i> , 2011, 88, 127-137.	6.2	108
6	Molecular Genetic Alterations in Radiation-Induced Astrocytomas. <i>American Journal of Pathology</i> , 1999, 154, 1431-1438.	3.8	101
7	Kalirin Dbl-Homology Guanine Nucleotide Exchange Factor 1 Domain Initiates New Axon Outgrowths via RhoG-Mediated Mechanisms. <i>Journal of Neuroscience</i> , 2002, 22, 6980-6990.	3.6	85
8	Loops Govern SH2 Domain Specificity by Controlling Access to Binding Pockets. <i>Science Signaling</i> , 2010, 3, ra34.	3.6	83
9	The human phosphotyrosine signaling network: Evolution and hotspots of hijacking in cancer. <i>Genome Research</i> , 2012, 22, 1222-1230.	5.5	72
10	Minimotif miner 2nd release: a database and web system for motif search. <i>Nucleic Acids Research</i> , 2009, 37, D185-D190.	14.5	64
11	Induction of Integral Membrane PAM Expression in AtT-20 Cells Alters the Storage and Trafficking of POMC and PC1. <i>Journal of Cell Biology</i> , 1999, 144, 459-471.	5.2	57
12	Viral infection and human disease - insights from minimotifs. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6455.	3.0	54
13	Minimotif Miner 3.0: database expansion and significantly improved reduction of false-positive predictions from consensus sequences. <i>Nucleic Acids Research</i> , 2012, 40, D252-D260.	14.5	52
14	TALEN gene editing takes aim on HIV. <i>Human Genetics</i> , 2016, 135, 1059-1070.	3.8	46
15	Critical Role for Kalirin in Nerve Growth Factor Signaling through TrkA. <i>Molecular and Cellular Biology</i> , 2005, 25, 5106-5118.	2.3	45
16	Regulation of RhoGEF Activity by Intramolecular and Intermolecular SH3 Domain Interactions. <i>Journal of Biological Chemistry</i> , 2006, 281, 18774-18786.	3.4	45
17	The carboxy-terminus, a key regulator of protein function. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 85-102.	5.2	42
18	Immobilized Iron(III) Metal Affinity Chromatography for the Separation of Phosphorylated Macromolecules: Ligands and Applications. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997, 20, 123-142.	1.0	41

#	ARTICLE	IF	CITATIONS
19	Prohormone thiol protease (PTP) processing of recombinant proenkephalin. <i>Biochemistry</i> , 1995, 34, 7988-7995.	2.5	40
20	Single-cell RNA sequencing deconvolutes the <i>in vivo</i> heterogeneity of human bone marrow-derived mesenchymal stem cells. <i>International Journal of Biological Sciences</i> , 2021, 17, 4192-4206.	6.4	39
21	Damaging the Integrated HIV Proviral DNA with TALENs. <i>PLoS ONE</i> , 2015, 10, e0125652.	2.5	34
22	Use of wastewater surveillance for early detection of Alpha and Epsilon SARS-CoV-2 variants of concern and estimation of overall COVID-19 infection burden. <i>Science of the Total Environment</i> , 2022, 835, 155410.	8.0	34
23	The Processing Proteases Prohormone Thiol Protease, PC1/3 and PC2, and 70-kDa Aspartic Proteinase Show Preferences among Proenkephalin, Proneuropeptide Y, and Proopiomelanocortin Substrates. <i>Archives of Biochemistry and Biophysics</i> , 1996, 328, 107-114.	3.0	33
24	Severe COVID-19 in Alzheimer's disease: APOE4's fault again?. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 111.	6.2	32
25	High-Performance Exact Algorithms For Motif Search. <i>Journal of Clinical Monitoring and Computing</i> , 2005, 19, 319-328.	1.6	29
26	Autonomous functions for the Sec14p/spectrin-repeat region of Kalirin. <i>Experimental Cell Research</i> , 2008, 314, 2674-2691.	2.6	28
27	Characteristics of the Chromaffin Granule Aspartic Proteinase Involved in Proenkephalin Processing. <i>Journal of Neurochemistry</i> , 1995, 65, 1771-1779.	3.9	26
28	Differential gene expression in a murine model of cancer cachexia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E289-E297.	3.5	24
29	RESP18, a homolog of the luminal domain IA-2, is found in dense core vesicles in pancreatic islet cells and is induced by high glucose. <i>Journal of Endocrinology</i> , 2007, 195, 313-321.	2.6	24
30	A Neuroendocrine-specific Protein Localized to the Endoplasmic Reticulum by Distal Degradation. <i>Journal of Biological Chemistry</i> , 1995, 270, 26129-26138.	3.4	23
31	Induction of lamellipodia by Kalirin does not require its guanine nucleotide exchange factor activity. <i>Experimental Cell Research</i> , 2005, 307, 402-417.	2.6	22
32	A Novel Neuroendocrine Intracellular Signaling Pathway. <i>Molecular Endocrinology</i> , 1997, 11, 1846-1857.	3.7	18
33	Expression of multiple larger-sized transcripts for several genes in oligodendrogliomas: potential markers for glioma subtype. <i>Cancer Letters</i> , 2001, 171, 67-77.	7.2	17
34	A proposed syntax for Minimotif Semantics, version 1. <i>BMC Genomics</i> , 2009, 10, 360.	2.8	16
35	High-Level Expression of the Prohormones Proenkephalin, Pro-Neuropeptide Y, Proopiomelanocortin, and β -Protachykinin for <i>In Vitro</i> Prohormone Processing. <i>Protein Expression and Purification</i> , 1997, 10, 80-88.	1.3	15
36	Minimotif Miner 4: a million peptide minimotifs and counting. <i>Nucleic Acids Research</i> , 2018, 46, D465-D470.	14.5	15

#	ARTICLE	IF	CITATIONS
37	Expression of RESP18 in Peptidergic and Catecholaminergic Neurons. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 1265-1277.	2.5	14
38	Identification and Functional Characterization of Metabolites for Bone Mass in Peri- and Postmenopausal Chinese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3159-e3177.	3.6	14
39	The Functional Human C-Terminome. <i>PLoS ONE</i> , 2016, 11, e0152731.	2.5	11
40	A computational tool for identifying minimotifs in protein-protein interactions and improving the accuracy of minimotif predictions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 153-164.	2.6	10
41	Expression of recombinant pro-neuropeptide Y, proopiomelanocortin, and proenkephalin: relative processing by a pro-hormone thiol protease (PTP). <i>FEBS Letters</i> , 1996, 382, 6-10.	2.8	9
42	VENN, a tool for titrating sequence conservation onto protein structures. <i>Nucleic Acids Research</i> , 2009, 37, e124-e124.	14.5	9
43	HIVToolbox, an Integrated Web Application for Investigating HIV. <i>PLoS ONE</i> , 2011, 6, e20122.	2.5	8
44	The minimotif synthesis hypothesis for the origin of life. <i>Journal of Translational Science</i> , 2016, 2, 289-296.	0.2	8
45	Proenkephalin-processing Enzymes in Chromaffin Granules. <i>Annals of the New York Academy of Sciences</i> , 1996, 780, 121-133.	3.8	7
46	Partitioning of Minimotifs Based on Function with Improved Prediction Accuracy. <i>PLoS ONE</i> , 2010, 5, e12276.	2.5	7
47	Prioritization of Variants for Investigation of Genotype-Directed Nutrition in Human Superpopulations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3516.	4.1	7
48	Secondary Structure, a Missing Component of Sequence-Based Minimotif Definitions. <i>PLoS ONE</i> , 2012, 7, e49957.	2.5	7
49	Minimotif Miner: A Computational Tool to Investigate Protein Function, Disease, and Genetic Diversity. <i>Current Protocols in Protein Science</i> , 2007, 48, Unit 2.12.	2.8	6
50	MimoSA: a system for minimotif annotation. <i>BMC Bioinformatics</i> , 2010, 11, 328.	2.6	6
51	The HIVToolbox 2 Web System Integrates Sequence, Structure, Function and Mutation Analysis. <i>PLoS ONE</i> , 2014, 9, e98810.	2.5	6
52	Natural variability of minimotifs in 1092 people indicates that minimotifs are targets of evolution. <i>Nucleic Acids Research</i> , 2015, 43, 6399-6412.	14.5	6
53	An Open-Source Sandbox for Increasing the Accessibility of Functional Programming to the Bioinformatics and Scientific Communities. , 2012, 2012, 89-94.		5
54	Diagnosis of COVID-19 pneumonia despite missing detection of viral nucleic acid and initially inconspicuous radiologic findings. <i>Journal of Medical Virology</i> , 2020, 92, 2863-2865.	5.0	5

#	ARTICLE	IF	CITATIONS
55	Coronavirus disease (COVID-19): observations and lessons from primary medical care at a German community hospital. <i>Journal of Community Hospital Internal Medicine Perspectives</i> , 2020, 10, 81-87.	0.8	5
56	Analysis of wild-type and mutant aspartate aminotransferases using integrated rate equations. <i>BBA - Proteins and Proteomics</i> , 1996, 1297, 17-27.	2.1	4
57	Identifying Pleiotropic SNPs Associated With Femoral Neck and Heel Bone Mineral Density. <i>Frontiers in Genetics</i> , 2020, 11, 772.	2.3	4
58	Achieving High Accuracy Prediction of Minmotifs. <i>PLoS ONE</i> , 2012, 7, e45589.	2.5	4
59	Genes expressed in the mouse pituitary corticotrope AtT-20/D-16v tumor cell line. , 2000, 3, 141-152.		3
60	Can Designer Indels Be Tailored by Gene Editing?. <i>BioEssays</i> , 2019, 41, 1900126.	2.5	3
61	Reducing False-Positive Prediction of Minmotifs with a Genetic Interaction Filter. <i>PLoS ONE</i> , 2012, 7, e32630.	2.5	3
62	Structural conservation of a short, functional, peptide-sequence motif. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1143.	3.0	2
63	SciReader enables reading of medical content with instantaneous definitions. <i>BMC Medical Informatics and Decision Making</i> , 2011, 11, 4.	3.0	2
64	Minmotifs dysfunction is pervasive in neurodegenerative disorders. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 414-432.	3.7	2
65	Novel algorithms for LDD motif search. <i>BMC Genomics</i> , 2019, 20, 424.	2.8	2
66	The Geogenomic Mutational Atlas of Pathogens (GoMAP) Web System. <i>PLoS ONE</i> , 2014, 9, e92877.	2.5	2
67	XRCC4 and MRE11 Roles and Transcriptional Response to Repair of TALEN-Induced Double-Strand DNA Breaks. <i>International Journal of Molecular Sciences</i> , 2022, 23, 593.	4.1	1
68	N-terminal Dbl domain of the RhoGEF, Kalirin. <i>Journal of Biomolecular NMR</i> , 2012, 52, 269-276.	2.8	0
69	A Structure Based Algorithm for Improving Motifs Prediction. <i>Lecture Notes in Computer Science</i> , 2013, , 242-252.	1.3	0