

# Volker Spindler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3018986/publications.pdf>

Version: 2024-02-01

63  
papers

2,835  
citations

126901

33  
h-index

182417

51  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2856  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of GTPases in control of microvascular permeability. <i>Cardiovascular Research</i> , 2010, 87, 243-253.	3.8	311
2	Inhibition of Rho A activity causes pemphigus skin blistering. <i>Journal of Cell Biology</i> , 2006, 175, 721-727.	5.2	147
3	Membrane Tumor Necrosis Factor (TNF) Induces p100 Processing via TNF Receptor-2 (TNFR2). <i>Journal of Biological Chemistry</i> , 2010, 285, 7394-7404.	3.4	143
4	Mechanisms Causing Loss of Keratinocyte Cohesion in Pemphigus. <i>Journal of Investigative Dermatology</i> , 2018, 138, 32-37.	0.7	113
5	Desmocollin 3-mediated Binding Is Crucial for Keratinocyte Cohesion and Is Impaired in Pemphigus. <i>Journal of Biological Chemistry</i> , 2009, 284, 30556-30564.	3.4	108
6	Role of Rac 1 and cAMP in endothelial barrier stabilization and thrombin-induced barrier breakdown. <i>Journal of Cellular Physiology</i> , 2009, 220, 716-726.	4.1	93
7	Soluble VE-cadherin is involved in endothelial barrier breakdown in systemic inflammation and sepsis. <i>Cardiovascular Research</i> , 2015, 107, 32-44.	3.8	92
8	Pemphigus – A Disease of Desmosome Dysfunction Caused by Multiple Mechanisms. <i>Frontiers in Immunology</i> , 2018, 9, 136.	4.8	85
9	Peptide-mediated desmoglein 3 crosslinking prevents pemphigus vulgaris autoantibody-induced skin blistering. <i>Journal of Clinical Investigation</i> , 2013, 123, 800-11.	8.2	82
10	E-cadherin and Src associate with extradesmosomal Dsg3 and modulate desmosome assembly and adhesion. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4885-4897.	5.4	72
11	Desmoglein 2 Is Less Important than Desmoglein 3 for Keratinocyte Cohesion. <i>PLoS ONE</i> , 2013, 8, e53739.	2.5	65
12	Desmosomes and Extradесmosomal Adhesive Signaling Contacts in Pemphigus. <i>Medicinal Research Reviews</i> , 2014, 34, 1127-1145.	10.5	63
13	Inhibition of p38MAPK signalling prevents epidermal blistering and alterations of desmosome structure induced by pemphigus autoantibodies in human epidermis. <i>British Journal of Dermatology</i> , 2017, 177, 1612-1618.	1.5	63
14	Desmoglein-2 interaction is crucial for cardiomyocyte cohesion and function. <i>Cardiovascular Research</i> , 2014, 104, 245-257.	3.8	59
15	Different signaling patterns contribute to loss of keratinocyte cohesion dependent on autoantibody profile in pemphigus. <i>Scientific Reports</i> , 2017, 7, 3579.	3.3	57
16	The Extent of Desmoglein 3 Depletion in Pemphigus Vulgaris Is Dependent on Ca <sup>2+</sup> -Induced Differentiation. <i>American Journal of Pathology</i> , 2011, 179, 1905-1916.	3.8	56
17	Loss of Desmoglein Binding Is Not Sufficient for Keratinocyte Dissociation in Pemphigus. <i>Journal of Investigative Dermatology</i> , 2015, 135, 3068-3077.	0.7	55
18	Adrenergic Signaling Strengthens Cardiac Myocyte Cohesion. <i>Circulation Research</i> , 2017, 120, 1305-1317.	4.5	55

#	ARTICLE	IF	CITATIONS
19	Desmoglein 3-Dependent Signaling Regulates Keratinocyte Migration and Wound Healing. <i>Journal of Investigative Dermatology</i> , 2016, 136, 301-310.	0.7	53
20	Actin reorganization contributes to loss of cell adhesion in pemphigus vulgaris. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C606-C613.	4.6	51
21	Keratins Regulate the Adhesive Properties of Desmosomal Cadherins through Signaling. <i>Journal of Investigative Dermatology</i> , 2018, 138, 121-131.	0.7	51
22	Differential role of Rho GTPases in intestinal epithelial barrier regulation in vitro. <i>Journal of Cellular Physiology</i> , 2011, 226, 1196-1203.	4.1	49
23	Pemphigus IgG Causes Skin Splitting in the Presence of Both Desmoglein 1 and Desmoglein 3. <i>American Journal of Pathology</i> , 2007, 171, 906-916.	3.8	44
24	Desmosomal Cadherins and Signaling: Lessons from Autoimmune Disease. <i>Cell Communication and Adhesion</i> , 2014, 21, 77-84.	1.0	44
25	Adducin Is Required for Desmosomal Cohesion in Keratinocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 14925-14940.	3.4	44
26	Mutant PIK3CA licenses TRAIL and CD95L to induce non-apoptotic caspase-8-mediated ROCK activation. <i>Cell Death and Differentiation</i> , 2010, 17, 1435-1447.	11.2	42
27	Beta-Adrenergic Stimulation Contributes to Maintenance of Endothelial Barrier Functions Under Baseline Conditions. <i>Microcirculation</i> , 2011, 18, 118-127.	1.8	42
28	A Desmoplakin Point Mutation with Enhanced Keratin Association Ameliorates Pemphigus Vulgaris Autoantibody-Mediated Loss of Cell Cohesion. <i>American Journal of Pathology</i> , 2014, 184, 2528-2536.	3.8	42
29	Loss of Desmoglein 2 Contributes to the Pathogenesis of Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	1.9	41
30	Protective Endogenous Cyclic Adenosine 5'-Monophosphate Signaling Triggered by Pemphigus Autoantibodies. <i>Journal of Immunology</i> , 2010, 185, 6831-6838.	0.8	38
31	Desmoglein 2 Compensates for Desmoglein 3 but Does Not Control Cell Adhesion via Regulation of p38 Mitogen-activated Protein Kinase in Keratinocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 17043-17053.	3.4	38
32	Plakoglobin but Not Desmoplakin Regulates Keratinocyte Cohesion via Modulation of p38MAPK Signaling. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1655-1664.	0.7	38
33	Cleavage and Cell Adhesion Properties of Human Epithelial Cell Adhesion Molecule (HEPCAM). <i>Journal of Biological Chemistry</i> , 2015, 290, 24574-24591.	3.4	38
34	Loss of desmoglein 2 promotes tumorigenic behavior in pancreatic cancer cells. <i>Molecular Carcinogenesis</i> , 2017, 56, 1884-1895.	2.7	38
35	Ultrastructural Analysis Reveals cAMP-Dependent Enhancement of Microvascular Endothelial Barrier Functions via Rac1-Mediated Reorganization of Intercellular Junctions. <i>American Journal of Pathology</i> , 2011, 178, 2424-2436.	3.8	36
36	PKA Compartmentalization via AKAP220 and AKAP12 Contributes to Endothelial Barrier Regulation. <i>PLoS ONE</i> , 2014, 9, e106733.	2.5	36

#	ARTICLE	IF	CITATIONS
37	Atomic force microscopy identifies regions of distinct desmoglein 3 adhesive properties on living keratinocytes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 511-520.	3.3	36
38	Meeting Report of the Pathogenesis of Pemphigus and Pemphigoid Meeting in Munich, September 2016. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1199-1203.	0.7	34
39	<i>Trans-</i> dimerization of JAM-A regulates Rap2 and is mediated by a domain that is distinct from the <i>cis-</i> dimerization interface. <i>Molecular Biology of the Cell</i> , 2014, 25, 1574-1585.	2.1	29
40	Keratins Regulate p38MAPK-Dependent Desmoglein Binding Properties in Pemphigus. <i>Frontiers in Immunology</i> , 2018, 9, 528.	4.8	28
41	Desmoglein 1 Deficiency Causes Lethal Skin Blistering. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1596-1599.e2.	0.7	27
42	A new <i>ex vivo</i> human oral mucosa model reveals that p38 MAPK inhibition is not effective in preventing autoantibody-induced mucosal blistering in pemphigus. <i>British Journal of Dermatology</i> , 2020, 182, 987-994.	1.5	26
43	Role of Src and Cortactin in Pemphigus Skin Blistering. <i>Frontiers in Immunology</i> , 2019, 10, 626.	4.8	25
44	Plakophilin 1 but not plakophilin 3 regulates desmoglein clustering. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3465-3476.	5.4	24
45	Role of Rho GTPases in desmosomal adhesion and pemphigus pathogenesis. <i>Annals of Anatomy</i> , 2011, 193, 177-180.	1.9	22
46	Atomic Force Microscopy Provides New Mechanistic Insights into the Pathogenesis of Pemphigus. <i>Frontiers in Immunology</i> , 2018, 9, 485.	4.8	22
47	The Actin-Binding Protein $\beta$ -Adducin Modulates Desmosomal Turnover and Plasticity. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1219-1229.e11.	0.7	16
48	Keratin Retraction and Desmoglein3 Internalization Independently Contribute to Autoantibody-Induced Cell Dissociation in Pemphigus Vulgaris. <i>Frontiers in Immunology</i> , 2018, 9, 858.	4.8	15
49	Pemphigus Autoantibodies Induce Blistering in Human Conjunctiva. , 2016, 57, 4442.		10
50	Premacular membranes in tissue culture. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1589-1597.	1.9	10
51	Clustering of desmosomal cadherins by desmoplakin is essential for cell-cell adhesion. <i>Acta Physiologica</i> , 2021, 231, e13609.	3.8	10
52	Biomechanical Properties of the Internal Limiting Membrane after Intravitreal Ocriplasmin Treatment. <i>Ophthalmologica</i> , 2016, 235, 233-240.	1.9	7
53	The extend of desmoglein 3 depletion in pemphigus vulgaris is dependent on Ca <sup>2+</sup> -induced differentiation – a role in suprabasal epidermal skin splitting?. <i>FASEB Journal</i> , 2011, 25, 242.1.	0.5	1
54	Adducin modulates intercellular keratinocyte adhesion. <i>FASEB Journal</i> , 2013, 27, 650.15.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Autoantibodies from pemphigus patients cause skin blistering by inhibition of Rho GTPases. FASEB Journal, 2006, 20, .	0.5	0
56	cAMP via Epac/Rap1 enhanced microvascular endothelial barrier functions by Rac1-mediated reorganization of adherens and tight junctions. FASEB Journal, 2010, 24, 777.1.	0.5	0
57	Adrenergic stimulation contributes to maintenance of endothelial barrier functions under resting conditions. FASEB Journal, 2010, 24, 777.4.	0.5	0
58	Differential contribution of desmoglein 2 and 3 to cell adhesion and intracellular signaling in keratinocytes. FASEB Journal, 2012, 26, 833.2.	0.5	0
59	Tandem peptide blocks pemphigus vulgaris skin blistering in vivo and identifies a desmoglein receptor function leading to p38MAPK modulation. FASEB Journal, 2012, 26, 275.1.	0.5	0
60	Desmoglein Binding Properties are Regulated by Plakophilins. FASEB Journal, 2018, 32, .	0.5	0
61	Relevance of Keratin Alterations and Desmoglein 3 Internalization in the Autoimmune Skin Disease Pemphigus Vulgaris. FASEB Journal, 2018, 32, 286.9.	0.5	0
62	Modulation of EGF signaling by desmoglein 2 in pancreatic cancer cells. FASEB Journal, 2019, 33, 802.36.	0.5	0
63	Src and cortactin are involved in pemphigus skin blistering. FASEB Journal, 2019, 33, 802.12.	0.5	0