

Wolfgang H Ziegler

List of Publications by Year in descending order

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37
papers

3,976
citations

304602

22
h-index

360920

35
g-index

38
all docs

38
docs citations

38
times ranked

4800
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Kinase C Isoforms Controlled by Phosphoinositide 3-Kinase Through the Protein Kinase PDK1. , 1998, 281, 2042-2045.		992
2	Multiple pathways control protein kinase C phosphorylation. EMBO Journal, 2000, 19, 496-503.	3.5	556
3	The structure and regulation of vinculin. Trends in Cell Biology, 2006, 16, 453-460.	3.6	411
4	Mapping and Consensus Sequence Identification for Multiple Vinculin Binding Sites within the Talin Rod. Journal of Biological Chemistry, 2005, 280, 37217-37224.	1.6	172
5	Mammalian TOR Controls One of Two Kinase Pathways Acting upon $\text{nPKC}\hat{\alpha}$ and $\text{nPKC}\hat{\mu}$. Journal of Biological Chemistry, 1999, 274, 34758-34764.	1.6	171
6	Vinculin Facilitates Cell Invasion into Three-dimensional Collagen Matrices. Journal of Biological Chemistry, 2010, 285, 13121-13130.	1.6	169
7	Induction of cardiac FGF23/FGFR4 expression is associated with left ventricular hypertrophy in patients with chronic kidney disease. Nephrology Dialysis Transplantation, 2016, 31, 1088-1099.	0.4	168
8	Activation of a vinculin-binding site in the talin rod involves rearrangement of a five-helix bundle. EMBO Journal, 2004, 23, 2942-2951.	3.5	159
9	E-cadherin integrates mechanotransduction and EGFR signaling to control junctional tissue polarization and tight junction positioning. Nature Communications, 2017, 8, 1250.	5.8	147
10	Integrin connections to the cytoskeleton through talin and vinculin. Biochemical Society Transactions, 2008, 36, 235-239.	1.6	122
11	Vinculin acts as a sensor in lipid regulation of adhesion-site turnover. Journal of Cell Science, 2005, 118, 1461-1472.	1.2	108
12	Rapamycin-sensitive phosphorylation of PKC on a carboxy-terminal site by an atypical PKC complex. Current Biology, 1999, 9, 522-529.	1.8	101
13	Structural and Dynamic Characterization of a Vinculin Binding Site in the Talin Rod. Biochemistry, 2006, 45, 1805-1817.	1.2	73
14	Structural Determinants of Integrin Binding to the Talin Rod. Journal of Biological Chemistry, 2009, 284, 8866-8876.	1.6	73
15	The F-actin Cross-linking and Focal Adhesion Protein Filamin A Is a Ligand and in Vivo Substrate for Protein Kinase $\text{C}\hat{\alpha}$. Journal of Biological Chemistry, 2003, 278, 23561-23569.	1.6	71
16	Focal adhesion kinase activity is required for actomyosin contractility-based invasion of cells into dense 3D matrices. Scientific Reports, 2017, 7, 42780.	1.6	61
17	A Lipid-regulated Docking Site on Vinculin for Protein Kinase C. Journal of Biological Chemistry, 2002, 277, 7396-7404.	1.6	57
18	Endothelial Cell Tyrosine Kinase Receptor and G Protein-Coupled Receptor Activation Involves Distinct Protein Kinase C Isoforms. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 678-686.	1.1	50

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19	Low-Density Lipoprotein Induces Vascular Adhesion Molecule Expression on Human Endothelial Cells. Hypertension, 1995, 25, 511-516.	1.3	44
20	Orientation selective DEER measurements on vinculin tail at X-band frequencies reveal spin label orientations. Journal of Magnetic Resonance, 2012, 216, 53-61.	1.2	41
21	The Vinculin- β In20/21 Mouse: Characteristics of a Constitutive, Actin-Binding Deficient Splice Variant of Vinculin. PLoS ONE, 2010, 5, e11530.	1.1	41
22	Control of High Affinity Interactions in the Talin C Terminus. Journal of Biological Chemistry, 2009, 284, 13832-13842.	1.6	38
23	Transition of responsive mechanosensitive elements from focal adhesions to adherens junctions on epithelial differentiation. Molecular Biology of the Cell, 2018, 29, 2317-2325.	0.9	29
24	Apple Allergy: The cDNA Sequence of the Major Allergen of Apple, Determined by Performing PCR with a Primer Based on the N-Terminal Amino Acid Sequence, is Highly Homologous to the Sequence of the Major Birch Pollen Allergen. Journal of the Science of Food and Agriculture, 1996, 71, 475-482.	1.7	21
25	Direct evidence of vinculin tail-lipid membrane interaction in beta-sheet conformation. Biochemical and Biophysical Research Communications, 2008, 373, 69-73.	1.0	18
26	Lysophosphatidylcholine-mediated functional inactivation of syndecan-4 results in decreased adhesion and motility of dendritic cells. Journal of Cellular Physiology, 2010, 225, 905-914.	2.0	15
27	Monomeric and Dimeric Conformation of the Vinculin Tail Five-Helix Bundle in Solution Studied by EPR Spectroscopy. Biophysical Journal, 2011, 101, 1772-1780.	0.2	12
28	Flunarizine suppresses endothelial Angiotensin-2 in a calcium - dependent fashion in sepsis. Scientific Reports, 2017, 7, 44113.	1.6	9
29	Fibrocystin Is Essential to Cellular Control of Adhesion and Epithelial Morphogenesis. International Journal of Molecular Sciences, 2020, 21, 5140.	1.8	9
30	Application and Comparison of Supervised Learning Strategies to Classify Polarity of Epithelial Cell Spheroids in 3D Culture. Frontiers in Genetics, 2020, 11, 248.	1.1	9
31	Integrin-mediated internalization of Staphylococcus aureus does not require vinculin. BMC Cell Biology, 2013, 14, 2.	3.0	8
32	Metavinculin: New insights into functional properties of a muscle adhesion protein. Biochemical and Biophysical Research Communications, 2013, 430, 7-13.	1.0	7
33	Primary URECs: a source to better understand the pathology of renal tubular epithelia in pediatric hereditary cystic kidney diseases. Orphanet Journal of Rare Diseases, 2022, 17, 122.	1.2	5
34	Deletion of the cell adhesion adaptor protein vinculin disturbs the localization of GFAP in Bergmann glial cells. Glia, 2013, 61, 1067-1083.	2.5	3
35	The Cytoskeletal Connection: Understanding Adaptor Proteins. Translational Research in Biomedicine, 2009, , 136-162.	0.4	2
36	Vinculin and Fak Facilitate Cell Invasion in Dense 3D-Extracellular Matrix Networks. Biophysical Journal, 2010, 98, 19a.	0.2	0

#	ARTICLE	IF	CITATIONS
37	P0041CHARACTERISTICS OF URINE-DERIVED RENAL EPITHELIAL CELLS (UREC) FROM CHILDREN WITH POLYCYSTIC KIDNEY DISEASE (PKD). Nephrology Dialysis Transplantation, 2020, 35, .	0.4	0