

# Daniel Louvard

## List of Publications by Year in descending order

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89  
papers

9,097  
citations

41344

49  
h-index

45317

90  
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91  
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91  
docs citations

91  
times ranked

10805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Notch signals control the fate of immature progenitor cells in the intestine. <i>Nature</i> , 2005, 435, 964-968.	27.8	794
2	Wnt/ $\beta$ -Catenin Is Essential for Intestinal Homeostasis and Maintenance of Intestinal Stem Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 7551-7559.	2.3	533
3	The FERM domain: a unique module involved in the linkage of cytoplasmic proteins to the membrane. <i>Trends in Biochemical Sciences</i> , 1998, 23, 281-282.	7.5	494
4	Actin, microtubules, and vimentin intermediate filaments cooperate for elongation of invadopodia. <i>Journal of Cell Biology</i> , 2010, 189, 541-556.	5.2	430
5	Phosphoinositide binding and phosphorylation act sequentially in the activation mechanism of ezrin. <i>Journal of Cell Biology</i> , 2004, 164, 653-659.	5.2	335
6	Ezrin Is an Effector of Hepatocyte Growth Factor-mediated Migration and Morphogenesis in Epithelial Cells. <i>Journal of Cell Biology</i> , 1997, 138, 423-434.	5.2	290
7	Notch and Wnt signals cooperatively control cell proliferation and tumorigenesis in the intestine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6309-6314.	7.1	285
8	The co-workers of actin filaments: from cell structures to signals. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 635-646.	37.0	277
9	Morphogenic Effects of Ezrin Require a Phosphorylation-Induced Transition from Oligomers to Monomers at the Plasma Membrane. <i>Journal of Cell Biology</i> , 2000, 150, 193-204.	5.2	250
10	Fascin, a Novel Target of $\beta$ -Catenin-TCF Signaling, Is Expressed at the Invasive Front of Human Colon Cancer. <i>Cancer Research</i> , 2007, 67, 6844-6853.	0.9	249
11	Passage of viral membrane proteins through the Golgi complex. <i>Journal of Molecular Biology</i> , 1981, 152, 663-698.	4.2	222
12	Role of Tetanus Neurotoxin Insensitive Vesicle-Associated Membrane Protein (Ti-Vamp) in Vesicular Transport Mediating Neurite Outgrowth. <i>Journal of Cell Biology</i> , 2000, 149, 889-900.	5.2	203
13	Membrane-actin microfilament connections: an increasing diversity of players related to band 4.1. <i>Current Opinion in Cell Biology</i> , 1994, 6, 136-141.	5.4	181
14	ERM proteins and NF2 tumor suppressor: the Yin and Yang of cortical actin organization and cell growth signaling. <i>Current Opinion in Cell Biology</i> , 2002, 14, 104-109.	5.4	175
15	An actin-binding site containing a conserved motif of charged amino acid residues is essential for the morphogenic effect of villin. <i>Cell</i> , 1992, 70, 81-92.	28.9	171
16	Tight Junction, a Platform for Trafficking and Signaling Protein Complexes. <i>Journal of Cell Biology</i> , 2000, 151, F31-F36.	5.2	162
17	Characterization of the Interaction between Zyxin and Members of the Ena/Vasodilator-stimulated Phosphoprotein Family of Proteins. <i>Journal of Biological Chemistry</i> , 2000, 275, 22503-22511.	3.4	146
18	A Common Exocytotic Mechanism Mediates Axonal and Dendritic Outgrowth. <i>Journal of Neuroscience</i> , 2001, 21, 3830-3838.	3.6	142

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19	In Vivo, Villin Is Required for Ca <sup>2+</sup> -Dependent F-Actin Disruption in Intestinal Brush Borders. <i>Journal of Cell Biology</i> , 1999, 146, 819-830.	5.2	139
20	Targeting of Zyxin to Sites of Actin Membrane Interaction and to the Nucleus. <i>Journal of Biological Chemistry</i> , 2001, 276, 34759-34767.	3.4	133
21	Different Microtubule Motors Move Early and Late Endocytic Compartments. <i>Traffic</i> , 2008, 9, 492-509.	2.7	132
22	Regulatory Sequences of the Mouse Villin Gene That Efficiently Drive Transgenic Expression in Immature and Differentiated Epithelial Cells of Small and Large Intestines. <i>Journal of Biological Chemistry</i> , 1999, 274, 6476-6482.	3.4	128
23	Na <sup>+</sup> + H <sup>+</sup> exchanger 3 (NHE3) is present in lipid rafts in the rabbit ileal brush border: a role for rafts in trafficking and rapid stimulation of NHE3. <i>Journal of Physiology</i> , 2001, 537, 537-552.	2.9	119
24	Scf-Induced Gene Replacement at a Natural Locus in Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 1998, 18, 1444-1448.	2.3	118
25	Notch Lineages and Activity in Intestinal Stem Cells Determined by a New Set of Knock-In Mice. <i>PLoS ONE</i> , 2011, 6, e25785.	2.5	116
26	Concomitant Notch activation and p53 deletion trigger epithelial-to-mesenchymal transition and metastasis in mouse gut. <i>Nature Communications</i> , 2014, 5, 5005.	12.8	114
27	ActA and human zyxin harbour Arp2/3-independent actin-polymerization activity. <i>Nature Cell Biology</i> , 2001, 3, 699-707.	10.3	113
28	Villin-Like Actin-Binding Proteins Are Expressed Ubiquitously in Arabidopsis. <i>Plant Physiology</i> , 2000, 122, 35-48.	4.8	111
29	Myosin <sup>1b</sup> promotes the formation of post-Golgi carriers by regulating actin assembly and membrane remodelling at the trans-Golgi network. <i>Nature Cell Biology</i> , 2011, 13, 779-789.	10.3	105
30	Ezrin Interacts with Focal Adhesion Kinase and Induces Its Activation Independently of Cell-matrix Adhesion. <i>Journal of Biological Chemistry</i> , 2001, 276, 37686-37691.	3.4	103
31	Molecular analysis of microscopic ezrin dynamics by two-photon FRAP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12813-12818.	7.1	101
32	Subcellular Localization of Tetanus Neurotoxin-Insensitive Vesicle-Associated Membrane Protein (VAMP)/VAMP7 in Neuronal Cells: Evidence for a Novel Membrane Compartment. <i>Journal of Neuroscience</i> , 1999, 19, 9803-9812.	3.6	100
33	Association of an aminoacyl-tRNA synthetase complex and of phenylalanyl-tRNA synthetase with the cytoskeletal framework fraction from mammalian cells. <i>Experimental Cell Research</i> , 1985, 156, 91-102.	2.6	91
34	Differentiation of the epithelial apical junctional complex during mouse preimplantation development: a role for rab13 in the early maturation of the tight junction. <i>Mechanisms of Development</i> , 2000, 97, 93-104.	1.7	91
35	From the structure to the function of villin, an actin-binding protein of the brush border. <i>BioEssays</i> , 1990, 12, 403-408.	2.5	89
36	Rab13 regulates PKA signaling during tight junction assembly. <i>Journal of Cell Biology</i> , 2004, 165, 175-180.	5.2	88

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37	Villin Function in the Organization of the Actin Cytoskeleton. <i>Journal of Biological Chemistry</i> , 1999, 274, 26751-26760.	3.4	84
38	Myosin Ib modulates the morphology and the protein transport within multi-vesicular sorting endosomes. <i>Journal of Cell Science</i> , 2005, 118, 4823-4832.	2.0	84
39	Fascin Plays a Role in Stress Fiber Organization and Focal Adhesion Disassembly. <i>Current Biology</i> , 2014, 24, 1492-1499.	3.9	82
40	The brush-border intestinal aminopeptidase, a transmembrane protein as probed by macromolecular photolabelling. <i>Journal of Molecular Biology</i> , 1976, 106, 1023-1035.	4.2	77
41	Transmembrane interactions and the mechanisms of transport of proteins across membranes. <i>Journal of Supramolecular Structure</i> , 1978, 9, 373-389.	2.3	71
42	Cytoskeleton organization and submembranous interactions in intestinal and renal brush borders. <i>Kidney International</i> , 1988, 34, 309-320.	5.2	71
43	Enterocyte loss of polarity and gut wound healing rely upon the F-actin "severing" function of villin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1380-9.	7.1	67
44	In vivo Tumor Targeting Using a Novel Intestinal Pathogen-Based Delivery Approach. <i>Cancer Research</i> , 2006, 66, 7230-7236.	0.9	65
45	Free Brick1 Is a Trimeric Precursor in the Assembly of a Functional Wave Complex. <i>PLoS ONE</i> , 2008, 3, e2462.	2.5	63
46	Localized barriers in the plasma membrane: a common way to form domains. <i>Trends in Biochemical Sciences</i> , 1985, 10, 435-438.	7.5	62
47	Immunolocalization of the 110,000 molecular weight cytoskeletal protein of intestinal microvilli. <i>Journal of Molecular Biology</i> , 1981, 152, 49-66.	4.2	61
48	The Rod cGMP Phosphodiesterase $\beta$ Subunit Dissociates the Small GTPase Rab13 from Membranes. <i>Journal of Biological Chemistry</i> , 1998, 273, 22340-22345.	3.4	61
49	[33] Use of immunocytochemical techniques in studying the biogenesis of cell surfaces in polarized epithelia. <i>Methods in Enzymology</i> , 1983, 98, 379-395.	1.0	59
50	Oncogenic mutations in intestinal adenomas regulate Bim-mediated apoptosis induced by TGF- $\beta$ 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2229-36.	7.1	52
51	Do cancer cells have distinct adhesions in 3D collagen matrices and in vivo?. <i>European Journal of Cell Biology</i> , 2012, 91, 930-937.	3.6	51
52	Notch signaling in intestinal homeostasis across species: the cases of Drosophila, Zebrafish and the mouse. <i>Experimental Cell Research</i> , 2011, 317, 2740-2747.	2.6	49
53	Spatial recruitment and activation of the Fes kinase by ezrin promotes HGF-induced cell scattering. <i>EMBO Journal</i> , 2008, 27, 38-50.	7.8	46
54	Antibodies as probes for detection of conformational changes in proteins. A model study with the alkaline phosphatase of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1975, 97, 309-335.	4.2	45

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55	Co-operative effect of c-Src and ezrin in deregulation of cell-cell contacts and scattering of mammary carcinoma cells. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 16-28.	2.6	44
56	Enhanced sensitivity to irinotecan by Cdk1 inhibition in the p53-deficient HT29 human colon cancer cell line. <i>Oncogene</i> , 2004, 23, 1737-1744.	5.9	43
57	Ectopic expression of syntaxin 1 in the ER redirects TI-VAMP- and cellubrevin-containing vesicles. <i>Journal of Cell Science</i> , 2003, 116, 2805-2816.	2.0	42
58	Molecular organization of the intestinal brush border. <i>Biochimie</i> , 1988, 70, 1297-1306.	2.6	36
59	LINGO-1 Regulates Oligodendrocyte Differentiation through the Cytoplasmic Gelsolin Signaling Pathway. <i>Journal of Neuroscience</i> , 2017, 37, 3127-3137.	3.6	36
60	Clathrin is required for Scar/Wave-mediated lamellipodium formation. <i>Journal of Cell Science</i> , 2011, 124, 3414-3427.	2.0	34
61	Shigella flexneri infection is dependent on villin in the mouse intestine and in primary cultures of intestinal epithelial cells. <i>Cellular Microbiology</i> , 2005, 7, 1109-1116.	2.1	32
62	AMOTL1 Promotes Breast Cancer Progression and Is Antagonized by Merlin. <i>Neoplasia</i> , 2016, 18, 10-24.	5.3	31
63	Cytoskeleton networks in basement membrane transmigration. <i>European Journal of Cell Biology</i> , 2011, 90, 93-99.	3.6	28
64	Mutant Products of the NF2 Tumor Suppressor Gene Are Degraded by the Ubiquitin-Proteasome Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 31279-31282.	3.4	27
65	Proteomic screening identifies a YAP-driven signaling network linked to tumor cell proliferation in human schwannomas. <i>Neuro-Oncology</i> , 2014, 16, 1196-1209.	1.2	27
66	A quantitative immunochemical technique for evaluation of the extent of integration of membrane proteins and of protein conformational changes and homologies. <i>Analytical Biochemistry</i> , 1976, 76, 83-94.	2.4	25
67	Conditional expression of fascin increases tumor progression in a mouse model of intestinal cancer. <i>European Journal of Cell Biology</i> , 2014, 93, 388-395.	3.6	21
68	<scp>Myo</scp>sin <scp>VI</scp> Regulates Actin Dynamics and Melanosome Biogenesis. <i>Traffic</i> , 2012, 13, 665-680.	2.7	17
69	Do unconventional myosins exert functions in dynamics of membrane compartments?. <i>FEBS Letters</i> , 1992, 307, 87-92.	2.8	16
70	High Yap and Mll1 promote a persistent regenerative cell state induced by Notch signaling and loss of p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	16
71	Epithelial Morphogenesis and Intestinal Cancer: New Insights in Signaling Mechanisms. <i>Advances in Cancer Research</i> , 2008, 100, 85-111.	5.0	15
72	The Golgi apparatus-complex of neurons and astrocytes studied with an anti-organelle antibody. <i>Brain Research</i> , 1987, 408, 13-21.	2.2	14

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73	Ezrin Ubiquitylation by the E3 Ubiquitin Ligase, WWP1, and Consequent Regulation of Hepatocyte Growth Factor Receptor Activity. PLoS ONE, 2012, 7, e37490.	2.5	14
74	Preparation of active iodinated specific antibodies. FEBS Letters, 1975, 59, 32-35.	2.8	13
75	Water handling in Caco-2 cells: effects of acidification of the medium. Pflugers Archiv European Journal of Physiology, 1993, 423-423, 1-6.	2.8	10
76	Isolation and Characterization of an Aggresome Determinant in the NF2 Tumor Suppressor. Journal of Biological Chemistry, 2003, 278, 6235-6242.	3.4	10
77	Pseudopod membrane in TSH-stimulated thyroid cells: a specialized domain in the neighboring apical plasma membrane. Cell and Tissue Research, 1986, 245, 159.	2.9	9
78	Conformational behaviour of a synthetic peptide of the C-terminus of villin that interacts with actin: an NMR, CD and simulated annealing study. International Journal of Peptide and Protein Research, 1995, 45, 574-586.	0.1	8
79	Structure-Function Relationship of Intestinal and Renal Brush-Border Membrane-Bound Aminopeptidases and Maltases. Biochemical Society Transactions, 1977, 5, 523-527.	3.4	7
80	Phosphorylation of Merlin by Aurora A kinase appears necessary for mitotic progression. Journal of Biological Chemistry, 2019, 294, 12992-13005.	3.4	7
81	Functional cystic fibrosis transmembrane conductance regulator tagged with an epitope of the vesicular stomatitis virus glycoprotein can be addressed to the apical domain of polarized cells. European Journal of Cell Biology, 2000, 79, 795-802.	3.6	5
82	COVID-19 and drugs: pathophysiology and therapeutic approaches. Comptes Rendus - Biologies, 2021, 344, 27-42.	0.2	5
83	[21] Properties of Rab13 interaction with rod cGMP phosphodiesterase $\beta$ subunit. Methods in Enzymology, 2001, 329, 197-209.	1.0	4
84	Membranes Editorial overview. Current Opinion in Cell Biology, 1991, 3, 575-579.	5.4	3
85	Heterogeneous Metastasis Efficiency of Isogenic Orthotopic Colon Cancer Xenografts Reveals Distinctive Gene Expression Profiles. Tumor Biology, 2007, 28, 139-150.	1.8	3
86	Biodistribution and Tumor Targeting of Indium and Iodine-labeled Shiga Toxin B-Subunit. Current Radiopharmaceuticals, 2009, 2, 184-190.	0.8	3
87	RNAi depleted Drosophila cell extracts to dissect signaling pathways leading to actin polymerization. Journal of Proteomics, 2007, 70, 663-669.	2.4	2
88	The Power of One. Science Translational Medicine, 2012, 4, 130fs7.	12.4	1
89	CNRS defended. Nature, 1994, 367, 10-10.	27.8	0