

# Patricia Roussele

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

4,139

citations

35

h-index

63

g-index

96

ext. papers

4,617

ext. citations

5.5

avg, IF

5.49

L-index

#	Paper	IF	Citations
88	Kalinin: an epithelium-specific basement membrane adhesion molecule that is a component of anchoring filaments. <i>Journal of Cell Biology</i> , <b>1991</b> , 114, 567-76	7.3	682
87	Human amnion contains a novel laminin variant, laminin 7, which like laminin 6, covalently associates with laminin 5 to promote stable epithelial-stromal attachment. <i>Journal of Cell Biology</i> , <b>1996</b> , 132, 1189-98	7.3	236
86	Kalinin is more efficient than laminin in promoting adhesion of primary keratinocytes and some other epithelial cells and has a different requirement for integrin receptors. <i>Journal of Cell Biology</i> , <b>1994</b> , 125, 205-14	7.3	232
85	Laminin 5 binds the NC-1 domain of type VII collagen. <i>Journal of Cell Biology</i> , <b>1997</b> , 138, 719-28	7.3	215
84	Re-epithelialization of adult skin wounds: Cellular mechanisms and therapeutic strategies. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 146, 344-365	18.5	153
83	Differential expression of laminin-5 subunits and integrin receptors in human colorectal neoplasia. <i>Journal of Pathology</i> , <b>1998</b> , 185, 44-52	9.4	125
82	Distribution of laminin and fibronectin isoforms in oral mucosa and oral squamous cell carcinoma. <i>British Journal of Cancer</i> , <b>1999</b> , 81, 1071-9	8.7	112
81	Laminins of the dermo-epidermal junction. <i>Matrix Biology</i> , <b>1999</b> , 18, 19-28	11.4	111
80	Extracellular matrix contribution to skin wound re-epithelialization. <i>Matrix Biology</i> , <b>2019</b> , 75-76, 12-26	11.4	96
79	Laminin 332 processing impacts cellular behavior. <i>Cell Adhesion and Migration</i> , <b>2013</b> , 7, 122-34	3.2	90
78	Contribution of MT1-MMP and of human laminin-5 $\alpha$ chain degradation to mammary epithelial cell migration. <i>Journal of Cell Science</i> , <b>2001</b> , 114, 2967-2976	5.3	88
77	Substrate-specific modulation of a multisubstrate proteinase. C-terminal processing of fibrillar procollagens is the only BMP-1-dependent activity to be enhanced by PCPE-1. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 24188-94	5.4	82
76	Laminin isoforms and their integrin receptors in glioma cell migration and invasiveness: Evidence for a role of alpha5-laminin(s) and alpha3beta1 integrin. <i>Experimental Cell Research</i> , <b>2007</b> , 313, 3819-31	4.2	80
75	Normal human keratinocytes bind to the alpha3LG4/5 domain of unprocessed laminin-5 through the receptor syndecan-1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 44168-77	5.4	77
74	Prevalence and clinical significance of anti-laminin 332 autoantibodies detected by a novel enzyme-linked immunosorbent assay in mucous membrane pemphigoid. <i>JAMA Dermatology</i> , <b>2013</b> , 149, 533-40	5.1	62
73	Palladium-catalyzed direct arylation of polysubstituted benzofurans. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 1316-27	4.2	61
72	Targeting a tumor-specific laminin domain critical for human carcinogenesis. <i>Cancer Research</i> , <b>2008</b> , 68, 2885-94	10.1	57

71	Distribution of laminins in the developing human eye. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 777-85		57
70	Tumor cell budding and laminin-5 expression in colorectal carcinoma can be modulated by the tissue micro-environment. <i>International Journal of Cancer</i> , <b>2000</b> , 88, 708-17	7.5	57
69	In vitro evaluation of an RGD-functionalized chitosan derivative for enhanced cell adhesion. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 1494-500	10.3	55
68	Molecular organization of the cutaneous basement membrane zone. <i>Clinics in Dermatology</i> , <b>2001</b> , 19, 551-62	3	53
67	Identification of a 168-kDa mucosal antigen in a subset of patients with cicatricial pemphigoid. <i>Journal of Investigative Dermatology</i> , <b>1996</b> , 107, 136-9	4.3	50
66	Matrilysin 1 influences colon carcinoma cell migration by cleavage of the laminin-5 beta3 chain. <i>Cancer Research</i> , <b>2006</b> , 66, 11228-37	10.1	49
65	Beta4 integrin and laminin 5 are aberrantly expressed in polycystic kidney disease: role in increased cell adhesion and migration. <i>American Journal of Pathology</i> , <b>2003</b> , 163, 1791-800	5.8	49
64	Keratinocyte motility induced by TGF-beta1 is accompanied by dramatic changes in cellular interactions with laminin 5. <i>Cytoskeleton</i> , <b>2003</b> , 54, 64-80		47
63	Structural requirement for cell adhesion to kalinin (laminin-5). <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 13766-70	5.4	45
62	Melanoma cells produce multiple laminin isoforms and strongly migrate on B laminin(s) via several integrin receptors. <i>Experimental Cell Research</i> , <b>2011</b> , 317, 1119-33	4.2	42
61	Tyrosine dephosphorylation of the syndecan-1 PDZ binding domain regulates syntenin-1 recruitment. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10659-71	5.4	42
60	Syndecan-1 interaction with the LG4/5 domain in laminin-332 is essential for keratinocyte migration. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 214, 238-49	7	42
59	EGF controls the in vivo developmental potential of a mammary epithelial cell line possessing progenitor properties. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 453-63	7.3	40
58	Cell surface proteoglycans syndecan-1 and -4 bind overlapping but distinct sites in laminin B LG45 protein domain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 12204-16	5.4	39
57	A novel strategy for defining critical amino acid residues involved in protein/glycosaminoglycan interactions. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 54327-33	5.4	39
56	Laminin 332 in cancer: When the extracellular matrix turns signals from cell anchorage to cell movement. <i>Seminars in Cancer Biology</i> , <b>2020</b> , 62, 149-165	12.7	39
55	Laminin isoforms in human embryonic stem cells: synthesis, receptor usage and growth support. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2622-2633	5.6	38
54	Distribution of laminin 5, integrin receptors, and branching morphogenesis during human fetal lung development. <i>Developmental Dynamics</i> , <b>2002</b> , 225, 176-85	2.9	38

53	Processing of laminin $\alpha$ chains generates peptides involved in wound healing and host defense. <i>Journal of Innate Immunity</i> , <b>2014</b> , 6, 467-84	6.9	35
52	$\alpha$ 1 $\beta$ 1-integrin engagement to distinct laminin-1 domains orchestrates spreading, migration and survival of neural crest cells through independent signaling pathways. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 3206-18	5.3	35
51	Laminin 5 in the human thymus: control of T cell proliferation via $\alpha$ 6 $\beta$ 4 integrins. <i>Journal of Cell Biology</i> , <b>1999</b> , 144, 563-74	7.3	35
50	In vitro 3-D model based on extending time of culture for studying chronological epidermis aging. <i>Matrix Biology</i> , <b>2015</b> , 47, 85-97	11.4	33
49	Mature human thymocytes migrate on laminin-5 with activation of metalloproteinase-14 and cleavage of CD44. <i>Journal of Immunology</i> , <b>2004</b> , 172, 1397-406	5.3	33
48	In vivo evidence for a bridging role of a collagen V subtype at the epidermis-dermis interface. <i>Journal of Investigative Dermatology</i> , <b>2012</b> , 132, 1841-9	4.3	28
47	Laminin-10 and Lutheran blood group glycoproteins in adhesion of human endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2006</b> , 290, C764-75	5.4	27
46	Laminin gamma2 chain as a stromal cell marker of the human bone marrow microenvironment. <i>British Journal of Haematology</i> , <b>2002</b> , 119, 212-20	4.5	27
45	RhoA-dependent switch between $\alpha$ 2 $\beta$ 1 and $\alpha$ 3 $\beta$ 1 integrins is induced by laminin-5 during early stage of HT-29 cell differentiation. <i>Molecular Biology of the Cell</i> , <b>2001</b> , 12, 3268-81	3.5	25
44	Laminin isoforms of lymph nodes and predominant role of $\alpha$ 5-laminin(s) in adhesion and migration of blood lymphocytes. <i>Journal of Leukocyte Biology</i> , <b>2008</b> , 84, 701-12	6.5	24
43	Anti- $\beta$ 4 integrin antibodies enhance migratory and invasive abilities of human colon adenocarcinoma cells and their MMP-2 expression. <i>International Journal of Cancer</i> , <b>2000</b> , 85, 850-6	7.5	24
42	Preparation and evaluation of nanoparticles for directed tissue engineering. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 439, 73-80	6.5	23
41	Laminin-5 promotes neurite outgrowth from central and peripheral chick embryonic neurons. <i>Neuroscience Letters</i> , <b>2001</b> , 301, 83-6	3.3	23
40	Syndecans as Cell Surface Receptors in Cancer Biology. A Focus on their Interaction with PDZ Domain Proteins. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 10	5.6	22
39	Molecular dissection of protein-protein interactions between integrin $\beta$ 1 and the Helicobacter pylori Cag type IV secretion system. <i>FEBS Journal</i> , <b>2017</b> , 284, 4143-4157	5.7	21
38	Developmentally regulated interactions of human thymocytes with different laminin isoforms. <i>Immunology</i> , <b>2002</b> , 105, 407-18	7.8	20
37	Perlecan expression influences the keratin 15-positive cell population fate in the epidermis of aging skin. <i>Aging</i> , <b>2016</b> , 8, 751-68	5.6	19
36	Decellularized Scaffolds for Skin Repair and Regeneration. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 34352.6		19

35	Synthesis of 3-aryl-2-arylamidobenzofurans based on the Curtius rearrangement. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 2502-20	4.2	18
34	Cadherin mediated cell-cell adhesion is regulated by tyrosine phosphatases in human keratinocytes. <i>Cell Adhesion and Communication</i> , <b>1998</b> , 5, 13-25		18
33	Extracellular matrix-based cancer targeting. <i>Trends in Molecular Medicine</i> , <b>2021</b> , 27, 1000-1013	11.5	17
32	Regulated laminin-332 expression in human islets of Langerhans. <i>FASEB Journal</i> , <b>2009</b> , 23, 4046-55	0.9	16
31	Laminins in normal, keratoconus, bullous keratopathy and scarred human corneas. <i>Histochemistry and Cell Biology</i> , <b>2007</b> , 127, 657-67	2.4	16
30	Selective Palladium-Catalyzed Direct Arylation of Furo[3,2-b]pyridines. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 2751-2756	5.6	15
29	The Human Epidermal Basement Membrane: A Shaped and Cell Instructive Platform That Aging Slowly Alters. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	15
28	Selenium preserves keratinocyte stemness and delays senescence by maintaining epidermal adhesion. <i>Aging</i> , <b>2017</b> , 9, 2302-2315	5.6	14
27	Isoform-specific attachment of osteoprogenitors to laminins: mapping to the short arms of laminin-1. <i>Experimental Cell Research</i> , <b>1999</b> , 250, 465-74	4.2	14
26	How do epidermal matrix metalloproteinases support re-epithelialization during skin healing?. <i>European Journal of Dermatology</i> , <b>2015</b> , 25 Suppl 1, 33-42	0.8	13
25	A novel mechanism in wound healing: Laminin 332 drives MMP9/14 activity by recruiting syndecan-1 and CD44. <i>Matrix Biology</i> , <b>2020</b> , 94, 1-17	11.4	12
24	BMP-1 disrupts cell adhesion and enhances TGF- $\beta$ activation through cleavage of the matricellular protein thrombospondin-1. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	11
23	The NTR domain of procollagen C-proteinase enhancer-1 (PCPE-1) mediates PCPE-1 binding to syndecans-1, -2 and -4 as well as fibronectin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 57, 45-53	5.6	11
22	Human mast cells adhere to and migrate on epithelial and vascular basement membrane laminins LM-332 and LM-511 via $\alpha$ 3 $\beta$ 1 integrin. <i>Journal of Immunology</i> , <b>2009</b> , 183, 4657-65	5.3	9
21	The syndecan binding sequence KKLRIKSKEK in laminin $\beta$ LG4 domain promotes epidermal repair. <i>European Journal of Dermatology</i> , <b>2013</b> ,	0.8	9
20	Oligogalacturonides improve tissue organization of in vitro reconstructed skin. <i>International Journal of Cosmetic Science</i> , <b>2011</b> , 33, 455-61	2.7	8
19	Easy Access to Pyranoacridines, Pyranoxanthenes, and Arylchromenes Through a Domino Reaction. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 1447-1451	3.2	7
18	Production of a recombinantly expressed laminin fragment by HEK293-EBNA cells cultured in suspension in a dialysis-based bioreactor. <i>Protein Expression and Purification</i> , <b>2006</b> , 48, 43-8	2	7

17	Validation of an implantable bioink using mechanical extraction of human skin cells: First steps to a 3D bioprinting treatment of deep second degree burn. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 15, 37-48	4.4	7
16	In vitro epidermis model mimicking IGF-1-specific age-related decline. <i>Experimental Dermatology</i> , <b>2018</b> , 27, 537-543	4	6
15	Preserving Basement Membranes during Detachment of Cultivated Oral Mucosal Epithelial Cell Sheets for the Treatment of Total Bilateral Limbal Stem Cell Deficiency. <i>Cell Transplantation</i> , <b>2018</b> , 27, 264-274	4	6
14	The immortalized human corneal epithelial cells adhere to laminin-10 by using Lutheran glycoproteins and integrin alpha3beta1. <i>Experimental Eye Research</i> , <b>2005</b> , 81, 415-21	3.7	6
13	Cooperation of isoforms of laminin-332 and tenascin-CL during early adhesion and spreading of immortalized human corneal epithelial cells. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 1412-22	3.7	6
12	Expression of estrogen-related receptor gamma (ERRgamma) in human skin. <i>European Journal of Dermatology</i> , <b>2008</b> , 18, 427-32	0.8	6
11	Expression of oestrogen-related receptor alpha in human epidermis. <i>Experimental Dermatology</i> , <b>2008</b> , 17, 208-13	4	5
10	Mysterious tasks of tyrosines in syndecan-1 cytoplasmic tail. <i>Scientific World Journal, The</i> , <b>2009</b> , 9, 629-32.2		2
9	Incidence of an Intracellular Multiplication Niche among Acinetobacter baumannii Clinical Isolates.. <i>MSystems</i> , <b>2022</b> , e0048821	7.6	2
8	Comparison of extracellular matrix enrichment protocols for the improved characterization of the skin matrisome by mass spectrometry. <i>Journal of Proteomics</i> , <b>2022</b> , 251, 104397	3.9	2
7	Laminine 5, migration cellulaire et cancer. <i>Medecine/Sciences</i> , <b>2002</b> , 18, 989-994		1
6	Laminin 332 in Junctional Epidermolysis and as an Autoantigen in Mucous Membrane Pemphigoid <b>2015</b> , 91-102		1
5	Incidence of an intracellular multiplication niche amongst Acinetobacter baumannii clinical isolates		1
4	Tumor cell budding and laminin-5 expression in colorectal carcinoma can be modulated by the tissue micro-environment <b>2000</b> , 88, 708		1
3	Collagen XVIII: A key interfacial component of the skin architecture. <i>Journal of Cosmetic Science</i> , <b>2017</b> , 68, 35-41	0.7	1
2	Identification of a two-component regulatory system involved in antimicrobial peptide resistance in Streptococcus pneumoniae.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010458	7.6	1
1	Laminins and Matrix Metalloproteinases Connection: A Subtle Relationship That Can Go Wrong in a Tumor Context, Particularly If CD44 Gets Involved. <i>Biology of Extracellular Matrix</i> , <b>2022</b> , 219-246	0.6	0