Kathleen J Green

List of Publications by Year
in descending order

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131 papers	10,743 citations	22099 59 h-index	33814 99 g-index
142 all docs	142 docs citations	142 times ranked	8038 citing authors

#	Article	IF	Citations
1	Deconstructing the skin: cytoarchitectural determinants of epidermal morphogenesis. Nature Reviews Molecular Cell Biology, 2011, 12, 565-580.	16.1	375
2	Are desmosomes more than tethers for intermediate filaments?. Nature Reviews Molecular Cell Biology, 2000, 1, 208-216.	16.1	365
3	Desmosomes: New Perspectives on a Classic. Journal of Investigative Dermatology, 2007, 127, 2499-2515.	0.3	339
4	Desmosomes and hemidesmosomes: structure and function of molecular components. FASEB Journal, 1996, 10, 871-881.	0.2	322
5	Working out the strength and flexibility of desmosomes. Nature Reviews Molecular Cell Biology, 2004, 5, 271-281.	16.1	304
6	Desmoglein 1 deficiency results in severe dermatitis, multiple allergies and metabolic wasting. Nature Genetics, 2013, 45, 1244-1248.	9.4	289
7	Desmosomal Dysfunction due to Mutations in Desmoplakin Causes Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. Circulation Research, 2006, 99, 646-655.	2.0	276
8	Plakins: a family of versatile cytolinker proteins. Trends in Cell Biology, 2002, 12, 37-45.	3.6	273
9	Intercellular Junction Assembly, Dynamics, and Homeostasis. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000125-a000125.	2.3	238
10	p120 catenin associates with kinesin and facilitates the transport of cadherinâ€“catenin complexes to intercellular junctions. Journal of Cell Biology, 2003, 163, 547-557.	2.3	237
11	Antigen-Specific Immunoadsorption of Pathogenic Autoantibodies in Pemphigus Foliaceus. Journal of Investigative Dermatology, 1995, 104, 895-901.	0.3	232
12	Interactions Between Ankyrin-G, Plakophilin-2, and Connexin43 at the Cardiac Intercalated Disc. Circulation Research, 2011, 109, 193-201.	2.0	218
13	The Amino-terminal Domain of Desmoplakin Binds to Plakoglobin and Clusters Desmosomal Cadherinâ€“Plakoglobin Complexes. Journal of Cell Biology, 1997, 139, 773-784.	2.3	217
14	Structure, Function, and Regulation of Desmosomes. Progress in Molecular Biology and Translational Science, 2013, 116, 95-118.	0.9	213
15	Desmosomes: Intercellular Adhesive Junctions Specialized for Attachment of Intermediate Filaments. International Review of Cytology, 1998, 185, 237-302.	6.2	206
16	Protein Binding and Functional Characterization of Plakophilin 2. Journal of Biological Chemistry, 2002, 277, 10512-10522.	1.6	198
17	Desmoglein 1â€“dependent suppression of EGFR signaling promotes epidermal differentiation and morphogenesis. Journal of Cell Biology, 2009, 185, 1243-1258.	2.3	186
18	Comparative structural analysis of desmoplakin, bullous pemphigoid antigen and plectin: members of a new gene family involved in organization of intermediate filaments. International Journal of Biological Macromolecules, 1992, 14, 145-153.	3.6	164

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19	Defining desmosomal plakophilin-3 interactions. Journal of Cell Biology, 2003, 161, 403-416.	2.3	148
20	Two-hybrid Analysis Reveals Fundamental Differences in Direct Interactions between Desmoplakin and Cell Type-specific Intermediate Filaments. Journal of Biological Chemistry, 1997, 272, 21495-21503.	1.6	138
21	Desmosome assembly and dynamics. Trends in Cell Biology, 2013, 23, 537-546.	3.6	138
22	Epidermal Growth Factor Receptor Inhibition Promotes Desmosome Assembly and Strengthens Intercellular Adhesion in Squamous Cell Carcinoma Cells. Journal of Biological Chemistry, 2004, 279, 37191-37200.	1.6	135
23	Intermediate filamentâ€"membrane attachments function synergistically with actin-dependent contacts to regulate intercellular adhesive strength. Journal of Cell Biology, 2002, 159, 1005-1017.	2.3	134
24	Desmoplakin assembly dynamics in four dimensions. Journal of Cell Biology, 2005, 171, 1045-1059.	2.3	134
25	Plakophilin 2: a critical scaffold for PKCÎ± that regulates intercellular junction assembly. Journal of Cell Biology, 2008, 181, 605-613.	2.3	133
26	Plakophilins: multifunctional scaffolds for adhesion and signaling. Current Opinion in Cell Biology, 2009, 21, 708-716.	2.6	131
27	The Head Domain of Plakophilin-1 Binds to Desmoplakin and Enhances Its Recruitment to Desmosomes. Journal of Biological Chemistry, 1999, 274, 18145-18148.	1.6	130
28	Desmoglein-1/Erbin interaction suppresses ERK activation to support epidermal differentiation. Journal of Clinical Investigation, 2013, 123, 1556-1570.	3.9	124
29	Discriminating roles of desmosomal cadherins: Beyond desmosomal adhesion. Journal of Dermatological Science, 2007, 45, 7-21.	1.0	120
30	Regulation of desmosome assembly and adhesion. Seminars in Cell and Developmental Biology, 2004, 15, 665-77.	2.3	117
31	Desmoglein-2: A Novel Regulator of Apoptosis in the Intestinal Epithelium. Molecular Biology of the Cell, 2007, 18, 4565-4578.	0.9	105
32	Desmosomes: Regulators of Cellular Signaling and Adhesion in Epidermal Health and Disease. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a015297-a015297.	2.9	103
33	Severe dermatitis, multiple allergies, and metabolic wasting syndrome caused by a novel mutation in the N-terminal plakin domain of desmoplakin. Journal of Allergy and Clinical Immunology, 2015, 136, 1268-1276.	1.5	103
34	Adherens Junctions and Desmosomes Coordinate Mechanics and Signaling to Orchestrate Tissue Morphogenesis and Function: An Evolutionary Perspective. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029207.	2.3	102
35	Interaction of the Bullous Pemphigoid Antigen 1 (BP230) and Desmoplakin with Intermediate Filaments Is Mediated by Distinct Sequences within Their COOH Terminus. Molecular Biology of the Cell, 2003, 14, 1978-1992.	0.9	98
36	The Differentiation-dependent Desmosomal Cadherin Desmoglein 1 Is a Novel Caspase-3 Target That Regulates Apoptosis in Keratinocytes. Journal of Biological Chemistry, 2006, 281, 3614-3624.	1.6	97

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37	Desmosome regulation and signaling in disease. Cell and Tissue Research, 2015, 360, 501-512.	1.5	96
38	Envoplakin and Periplakin are Components of the Paraneoplastic Pemphigus Antigen Complex. Journal of Investigative Dermatology, 1998, 111, 1236-1238.	0.3	92
39	EGFR and ADAMs Cooperate to Regulate Shedding and Endocytic Trafficking of the Desmosomal Cadherin Desmoglein 2. Molecular Biology of the Cell, 2009, 20, 328-337.	0.9	90
40	Coordinated expression of desmoglein 1 and desmocollin 1 regulates intercellular adhesion. Differentiation, 2004, 72, 419-433.	1.0	89
41	Plakophilin 2 Couples Actomyosin Remodeling to Desmosomal Plaque Assembly via RhoA. Molecular Biology of the Cell, 2010, 21, 2844-2859.	0.9	89
42	Plakoglobin suppresses keratinocyte motility through both cell-cell adhesion-dependent and -independent mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5420-5425.	3.3	85
43	Intermediate Filament Associated Proteins. Advances in Protein Chemistry, 2005, 70, 143-202.	4.4	84
44	Desmosomes at a glance. Journal of Cell Science, 2009, 122, 4401-4407.	1.2	84
45	Desmosomal cadherins utilize distinct kinesins for assembly into desmosomes. Journal of Cell Biology, 2011, 195, 1185-1203.	2.3	84
46	Definition and treatment of arrhythmogenic cardiomyopathy: an updated expert panel report. European Journal of Heart Failure, 2019, 21, 955-964.	2.9	84
47	Plakophilin-2 loss promotes TGF-Î²1/p38 MAPK-dependent fibrotic gene expression in cardiomyocytes. Journal of Cell Biology, 2016, 212, 425-438.	2.3	83
48	Structures of two intermediate filament-binding fragments of desmoplakin reveal a unique repeat motif structure. Nature Structural Biology, 2002, 9, 612-20.	9.7	82
49	Mechanisms of Plakoglobin-dependent Adhesion. Journal of Biological Chemistry, 2005, 280, 40355-40363.	1.6	82
50	Analysis of Desmosomal Cadherinâ€“Adhesive Function and Stoichiometry of Desmosomal Cadherin-Plakoglobin Complexes. Journal of Investigative Dermatology, 1996, 107, 293-300.	0.3	81
51	Pemphigus Sera Recognize Conformationally Sensitive Epitopes in the Amino-Terminal Region of Desmoglein-1. Journal of Investigative Dermatology, 1995, 105, 147-152.	0.3	80
52	Intermediate filament assembly: dynamics to disease. Trends in Cell Biology, 2008, 18, 28-37.	3.6	80
53	The Expression of Desmoglein Isoforms in Cultured Human Keratinocytes Is Regulated by Calcium, Serum, and Protein Kinase C. Experimental Cell Research, 1998, 239, 50-59.	1.2	78
54	Tyrosine-phosphorylated Plakoglobin Is Associated with Desmogleins but Not Desmoplakin after Epidermal Growth Factor Receptor Activation. Journal of Biological Chemistry, 2001, 276, 24871-24880.	1.6	73

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55	Disease mutations in desmoplakin inhibit Cx43 membrane targeting mediated by desmoplakinâ€“EB1 interactions. Journal of Cell Biology, 2014, 206, 779-797.	2.3	70
56	The desmoplakinâ€“intermediate filament linkage regulates cell mechanics. Molecular Biology of the Cell, 2017, 28, 3156-3164.	0.9	70
57	The Chemopreventive Bioflavonoid Apigenin Inhibits Prostate Cancer Cell Motility through the Focal Adhesion Kinase/Src Signaling Mechanism. Cancer Prevention Research, 2009, 2, 830-841.	0.7	69
58	Targeting of p0071 to desmosomes and adherens junctions is mediated by different protein domains. Journal of Cell Science, 2003, 116, 1219-1233.	1.2	66
59	Intermediate filament plasma membrane interactions. Current Opinion in Cell Biology, 1991, 3, 127-132.	2.6	64
60	Desmoplakin Regulates Desmosome Hyperadhesion. Journal of Investigative Dermatology, 2012, 132, 482-485.	0.3	62
61	Desmosomes:Â Essential contributors to an integrated intercellular junction network. F1000Research, 2019, 8, 2150.	0.8	59
62	Plakoglobin regulates cell motility through Rho- and fibronectin-dependent Src signaling. Journal of Cell Science, 2010, 123, 3576-3586.	1.2	58
63	GSK3- and PRMT-1â€“dependent modifications of desmoplakin control desmoplakinâ€“cytoskeleton dynamics. Journal of Cell Biology, 2015, 208, 597-612.	2.3	58
64	New insights into the molecular basis of desmoplakinand desmin-related cardiomyopathies. Journal of Cell Science, 2006, 119, 4974-4985.	1.2	57
65	Different roles of cadherins in the assembly and structural integrity of the desmosome complex. Journal of Cell Science, 2014, 127, 2339-50.	1.2	56
66	The plakin family. Journal of Cell Science, 2001, 114, 3409-3410.	1.2	56
67	Structure and function of desmosomal transmembrane core and plaque molecules. Biophysical Chemistry, 1994, 50, 97-112.	1.5	55
68	The calcium ATPase SERCA2 regulates desmoplakin dynamics and intercellular adhesive strength through modulation of PKCÎ± signaling. FASEB Journal, 2011, 25, 990-1001.	0.2	55
69	In Vitro Model of the Epidermis. Methods in Enzymology, 2016, 569, 287-308.	0.4	54
70	Desmosomes in the Heart: A Review of Clinical and Mechanistic Analyses. Cell Communication and Adhesion, 2014, 21, 109-128.	1.0	53
71	Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. Nature Communications, 2018, 9, 1053.	5.8	52
72	Structural and Functional Diversity of Desmosomes. Cell Communication and Adhesion, 2013, 20, 171-187.	1.0	50

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73	Comparative Analysis of Armadillo Family Proteins in the Regulation of A431 Epithelial Cell Junction Assembly, Adhesion and Migration. Journal of Investigative Dermatology, 2004, 123, 426-433.	0.3	44
74	A rim-and-spoke hypothesis to explain the biomechanical roles for cytoplasmic intermediate filament networks. Journal of Cell Science, 2017, 130, 3437-3445.	1.2	43
75	Scaling up single-cell mechanics to multicellular tissues â€“ the role of the intermediate filamentâ€“desmosome network. Journal of Cell Science, 2020, 133, .	1.2	42
76	Desmoplakin maintains gap junctions by inhibiting Ras/MAPK and lysosomal degradation of connexin-43. Journal of Cell Biology, 2018, 217, 3219-3235.	2.3	41
77	Proximity Ligation Assay for Detecting Proteinâ€Protein Interactions and Protein Modifications in Cells and Tissues in Situ. Current Protocols in Cell Biology, 2020, 89, e115.	2.3	41
78	Structure of Desmoplakin and Its Association with Intermediate Filaments. Journal of Dermatology, 1992, 19, 765-769.	0.6	39
79	Assembly of Desmosomal Cadherins into Desmosomes is Isoform Dependent. Journal of Investigative Dermatology, 2001, 117, 26-35.	0.3	39
80	Plakoglobin Deficiency Protects Keratinocytes from Apoptosis. Journal of Investigative Dermatology, 2007, 127, 792-801.	0.3	37
81	The C-terminal unique region of desmoglein 2 inhibits its internalization via tailâ€“tail interactions. Journal of Cell Biology, 2012, 199, 699-711.	2.3	37
82	Filaggrin 2 Deficiency Results in Abnormal Cell-Cell Adhesion in the Cornified Cell Layers and Causes Peeling Skin Syndrome Type A. Journal of Investigative Dermatology, 2018, 138, 1736-1743.	0.3	37
83	Desmosomal Cadherins in Health and Disease. Annual Review of Pathology: Mechanisms of Disease, 2022, 17, 47-72.	9.6	37
84	Ordered Assembly of the Adhesive and Electrochemical Connections within Newly Formed Intercalated Disks in Primary Cultures of Adult Rat Cardiomyocytes. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-14.	3.0	36
85	The Desmosomal Protein Desmoglein 1 Aids Recovery of Epidermal Differentiation after Acute UV Light Exposure. Journal of Investigative Dermatology, 2014, 134, 2154-2162.	0.3	35
86	The GEF Bcr activates RhoA/MAL signaling to promote keratinocyte differentiation via desmoglein-1. Journal of Cell Biology, 2013, 202, 653-666.	2.3	34
87	Insights from a Desmoplakin Mutation Identified in Lethal Acantholytic Epidermolysis Bullosa. Journal of Investigative Dermatology, 2010, 130, 2680-2683.	0.3	33
88	Desmosomes. Current Biology, 2011, 21, R529-R531.	1.8	33
89	Tracing the Evolutionary Origin of Desmosomes. Current Biology, 2020, 30, R535-R543.	1.8	33
90	Loss of adhesion-regulated proteinase production is correlated with invasive activity in oral squamous cell carcinoma. Cancer, 2002, 95, 2524-2533.	2.0	31

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91	Plakoglobin Rescues Adhesive Defects Induced by Ectodomain Truncation of the Desmosomal Cadherin Desmoglein 1. American Journal of Pathology, 2010, 177, 2921-2937.	1.9	31
92	Dominantde novo DSPmutations cause erythrokeratodermia-cardiomyopathy syndrome. Human Molecular Genetics, 2016, 25, 348-357.	1.4	31
93	Intermediate Filaments and the Plasma Membrane. Cold Spring Harbor Perspectives in Biology, 2017, 9, a025866.	2.3	31
94	Epithelial barrier dysfunction in desmoglein-1 deficiency. Journal of Allergy and Clinical Immunology, 2018, 142, 702-706.e7.	1.5	31
95	Keratinocyte cadherin desmoglein 1 controls melanocyte behavior through paracrine signaling. Pigment Cell and Melanoma Research, 2020, 33, 305-317.	1.5	31
96	Cadherin function: Breaking the barrier. Current Biology, 2001, 11, R569-R572.	1.8	29
97	The Human Genes for Desmogleins (DSG1 and DSG3) Are Located in a Small Region on Chromosome 18q12. Genomics, 1994, 20, 492-495.	1.3	28
98	Phosphorylation of serine 4642 in the COOH-extremity of plectin by MNK2 and PKA modulates its interaction with intermediate filaments. Journal of Cell Science, 2013, 126, 4195-207.	1.2	28
99	Plakophilin 3 mediates Rap1-dependent desmosome assembly and adherens junction maturation. Molecular Biology of the Cell, 2014, 25, 3749-3764.	0.9	28
100	Desmoplakin expression and distribution in cultured rat bladder epithelial cells of varying tumorigenic potential. Experimental Cell Research, 1991, 193, 134-143.	1.2	27
101	Fibronectin Expression Determines Skin Cell Motile Behavior. Journal of Investigative Dermatology, 2012, 132, 448-457.	0.3	27
102	Plakophilin 2 Affects Cell Migration by Modulating Focal Adhesion Dynamics and Integrin Protein Expression. Journal of Investigative Dermatology, 2014, 134, 112-122.	0.3	25
103	Translational implications of Th17-skewed inflammation due to genetic deficiency of a cadherin stress sensor. Journal of Clinical Investigation, 2022, 132, .	3.9	24
104	Detection of Differentially Expressed Basal Cell Proteins by Mass Spectrometry. Molecular and Cellular Proteomics, 2010, 9, 351-361.	2.5	23
105	Desmosomes polarize and integrate chemical and mechanical signaling to govern epidermal tissue form and function. Current Biology, 2021, 31, 3275-3291.e5.	1.8	22
106	Interaction of Intermediate Filaments with the Cell Surface. , 1990, , 147-171.		22
107	In Vitro Methods for Investigating Desmoplakinâ€“Intermediate Filament Interactions and Their Role in Adhesive Strength. Methods in Cell Biology, 2004, 78, 757-786.	0.5	21
108	The Desmosomal Armadillo Protein Plakoglobin Regulates Prostate Cancer Cell Adhesion and Motility through Vitronectin-Dependent Src Signaling. PLoS ONE, 2012, 7, e42132.	1.1	19

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109	Regulation of intestinal epithelial intercellular adhesion and barrier function by desmosomal cadherin desmocollin-2. Molecular Biology of the Cell, 2021, 32, 753-768.	0.9	18
110	<scp>SVEP</scp>1 plays a crucial role in epidermal differentiation. Experimental Dermatology, 2017, 26, 423-430.	1.4	17
111	The Role of Desmoglein 1 in Gap Junction Turnover Revealed through the Study of SAMÂSyndrome. Journal of Investigative Dermatology, 2020, 140, 556-567.e9.	0.3	17
112	Assignment of the human genes for desmocollin 3 (DSC3) and desmocollin 4 (DSC4) to chromosome 18q12. Genomics, 1995, 25, 330-332.	1.3	16
113	Isoform-Specific Differences in the Size of Desmosomal Cadherin/Catenin Complexes. Journal of Investigative Dermatology, 2001, 117, 1302-1306.	0.3	16
114	Techniques to stimulate and interrogate cellâ€“cell adhesion mechanics. Extreme Mechanics Letters, 2018, 20, 125-139.	2.0	16
115	Desmoglein 1 Regulates Invadopodia by Suppressing EGFR/Erk Signaling in an Erbin-Dependent Manner. Molecular Cancer Research, 2019, 17, 1195-1206.	1.5	16
116	Epidermolytic Ichthyosis Sine Epidermolysis. American Journal of Dermatopathology, 2017, 39, 440-444.	0.3	11
117	The Desmosome-Keratin Scaffold Integrates ErbB Family and Mechanical Signaling to Polarize Epidermal Structure and Function. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	9
118	Chapter 10 The Desmosome: A Component System for Adhesion and Intermediate Filament Attachment. Current Topics in Membranes, 1996, 43, 187-209.	0.5	5
119	Identification of Desmogleins as Disease Targets. Journal of Investigative Dermatology, 2007, 127, E15-E16.	0.3	5
120	Plectin pulls it together, coupling the cortical actin and intermediate filament cytoskeletons. Journal of Cell Biology, 2022, 221, .	2.3	5
121	Limitations of Comparative Detection of Proteins via Epitope Tagging. Analytical Biochemistry, 2001, 293, 139-142.	1.1	4
122	Desmosomes and Hemidesmosomes. , 2004, , 569-576.		3
123	Cadherins in Cancer. , 2016, , 363-397.		3
124	Epidermal Desmoglein 1 Expression Is Reduced in Kidney Transplant Recipients Compared with Immunocompetent Patients. Journal of Investigative Dermatology, 2016, 136, 1908-1912.	0.3	2
125	Plakophilin 3 and Par3 facilitate desmosomesâ€™ association with the apical junctional complex. Molecular Biology of the Cell, 2021, 32, 1824-1837.	0.9	2
126	Regulatory roles of the cadherin superfamily. F1000 Biology Reports, 2009, 1, 13.	4.0	2

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127	Targeting of desmoglein 1 in exfoliative toxin-mediated disease. Expert Review of Dermatology, 2010, 5, 659-670.	0.3	0
128	Response to Garrod. Journal of Investigative Dermatology, 2013, 133, 578-579.	0.3	0
129	Degrees of Freedom: Your Future inÂBiomedical Research. Journal of Investigative Dermatology, 2016, 136, 1073-1076.	0.3	0
130	Connecting Cells | Desmosomes and Hemidesmosomes. , 2021, , 134-142.		0
131	Plakophilin-2 loss promotes TGF-Î²1/p38 MAPK-dependent fibrotic gene expression in cardiomyocytes. Journal of Experimental Medicine, 2016, 213, 2133OIA12.	4.2	0