

# Kathleen Jane Green

## List of Publications by Year in descending order

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116  
papers

9,683  
citations

29994

54  
h-index

38300

95  
g-index

237  
all docs

237  
docs citations

237  
times ranked

7635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deconstructing the skin: cytoarchitectural determinants of epidermal morphogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 565-580.	16.1	375
2	Are desmosomes more than tethers for intermediate filaments?. <i>Nature Reviews Molecular Cell Biology</i> , 2000, 1, 208-216.	16.1	365
3	Desmosomes: New Perspectives on a Classic. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2499-2515.	0.3	339
4	Working out the strength and flexibility of desmosomes. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 271-281.	16.1	304
5	Desmoglein 1 deficiency results in severe dermatitis, multiple allergies and metabolic wasting. <i>Nature Genetics</i> , 2013, 45, 1244-1248.	9.4	289
6	Desmosomal Dysfunction due to Mutations in Desmoplakin Causes Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Circulation Research</i> , 2006, 99, 646-655.	2.0	276
7	Plakins: a family of versatile cytolinker proteins. <i>Trends in Cell Biology</i> , 2002, 12, 37-45.	3.6	273
8	Intercellular Junction Assembly, Dynamics, and Homeostasis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a000125-a000125.	2.3	238
9	p120 catenin associates with kinesin and facilitates the transport of cadherinâ€“catenin complexes to intercellular junctions. <i>Journal of Cell Biology</i> , 2003, 163, 547-557.	2.3	237
10	Antigen-Specific Immunoabsorption of Pathogenic Autoantibodies in Pemphigus Foliaceus. <i>Journal of Investigative Dermatology</i> , 1995, 104, 895-901.	0.3	232
11	Interactions Between Ankyrin-G, Plakophilin-2, and Connexin43 at the Cardiac Intercalated Disc. <i>Circulation Research</i> , 2011, 109, 193-201.	2.0	218
12	The Amino-terminal Domain of Desmoplakin Binds to Plakoglobin and Clusters Desmosomal Cadherinâ€“Plakoglobin Complexes. <i>Journal of Cell Biology</i> , 1997, 139, 773-784.	2.3	217
13	Structure, Function, and Regulation of Desmosomes. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 116, 95-118.	0.9	213
14	Protein Binding and Functional Characterization of Plakophilin 2. <i>Journal of Biological Chemistry</i> , 2002, 277, 10512-10522.	1.6	198
15	Desmoglein 1â€“dependent suppression of EGFR signaling promotes epidermal differentiation and morphogenesis. <i>Journal of Cell Biology</i> , 2009, 185, 1243-1258.	2.3	186
16	Intermediate Filaments: Possible Functions as Cytoskeletal Connecting Links Between the Nucleus and the Cell Surface. <i>Annals of the New York Academy of Sciences</i> , 1985, 455, 1-17.	1.8	160
17	Defining desmosomal plakophilin-3 interactions. <i>Journal of Cell Biology</i> , 2003, 161, 403-416.	2.3	148
18	Two-hybrid Analysis Reveals Fundamental Differences in Direct Interactions between Desmoplakin and Cell Type-specific Intermediate Filaments. <i>Journal of Biological Chemistry</i> , 1997, 272, 21495-21503.	1.6	138

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19	Desmosome assembly and dynamics. <i>Trends in Cell Biology</i> , 2013, 23, 537-546.	3.6	138
20	Epidermal Growth Factor Receptor Inhibition Promotes Desmosome Assembly and Strengthens Intercellular Adhesion in Squamous Cell Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 37191-37200.	1.6	135
21	Intermediate filament membrane attachments function synergistically with actin-dependent contacts to regulate intercellular adhesive strength. <i>Journal of Cell Biology</i> , 2002, 159, 1005-1017.	2.3	134
22	Desmoplakin assembly dynamics in four dimensions. <i>Journal of Cell Biology</i> , 2005, 171, 1045-1059.	2.3	134
23	Plakophilin 2: a critical scaffold for PKC $\delta$ that regulates intercellular junction assembly. <i>Journal of Cell Biology</i> , 2008, 181, 605-613.	2.3	133
24	Plakophilins: multifunctional scaffolds for adhesion and signaling. <i>Current Opinion in Cell Biology</i> , 2009, 21, 708-716.	2.6	131
25	The Head Domain of Plakophilin-1 Binds to Desmoplakin and Enhances Its Recruitment to Desmosomes. <i>Journal of Biological Chemistry</i> , 1999, 274, 18145-18148.	1.6	130
26	Desmoglein-1/Erbin interaction suppresses ERK activation to support epidermal differentiation. <i>Journal of Clinical Investigation</i> , 2013, 123, 1556-1570.	3.9	124
27	Discriminating roles of desmosomal cadherins: Beyond desmosomal adhesion. <i>Journal of Dermatological Science</i> , 2007, 45, 7-21.	1.0	120
28	Regulation of desmosome assembly and adhesion. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 665-77.	2.3	117
29	Desmosomes: Regulators of Cellular Signaling and Adhesion in Epidermal Health and Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a015297-a015297.	2.9	103
30	Severe dermatitis, multiple allergies, and metabolic wasting syndrome caused by a novel mutation in the N-terminal plakoin domain of desmoplakin. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1268-1276.	1.5	103
31	Adherens Junctions and Desmosomes Coordinate Mechanics and Signaling to Orchestrate Tissue Morphogenesis and Function: An Evolutionary Perspective. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029207.	2.3	102
32	Interaction of the Bullous Pemphigoid Antigen 1 (BP230) and Desmoplakin with Intermediate Filaments Is Mediated by Distinct Sequences within Their COOH Terminus. <i>Molecular Biology of the Cell</i> , 2003, 14, 1978-1992.	0.9	98
33	The Differentiation-dependent Desmosomal Cadherin Desmoglein 1 Is a Novel Caspase-3 Target That Regulates Apoptosis in Keratinocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 3614-3624.	1.6	97
34	Desmosome regulation and signaling in disease. <i>Cell and Tissue Research</i> , 2015, 360, 501-512.	1.5	96
35	EGFR and ADAMs Cooperate to Regulate Shedding and Endocytic Trafficking of the Desmosomal Cadherin Desmoglein 2. <i>Molecular Biology of the Cell</i> , 2009, 20, 328-337.	0.9	90
36	Coordinated expression of desmoglein 1 and desmocollin 1 regulates intercellular adhesion. <i>Differentiation</i> , 2004, 72, 419-433.	1.0	89

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37	Plakophilin 2 Couples Actomyosin Remodeling to Desmosomal Plaque Assembly via RhoA. <i>Molecular Biology of the Cell</i> , 2010, 21, 2844-2859.	0.9	89
38	Plakoglobin suppresses keratinocyte motility through both cell-cell adhesion-dependent and -independent mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5420-5425.	3.3	85
39	Intermediate Filament Associated Proteins. <i>Advances in Protein Chemistry</i> , 2005, 70, 143-202.	4.4	84
40	Desmosomes at a glance. <i>Journal of Cell Science</i> , 2009, 122, 4401-4407.	1.2	84
41	Desmosomal cadherins utilize distinct kinesins for assembly into desmosomes. <i>Journal of Cell Biology</i> , 2011, 195, 1185-1203.	2.3	84
42	Definition and treatment of arrhythmogenic cardiomyopathy: an updated expert panel report. <i>European Journal of Heart Failure</i> , 2019, 21, 955-964.	2.9	84
43	Plakophilin-2 loss promotes TGF- $\beta$ 1/p38 MAPK-dependent fibrotic gene expression in cardiomyocytes. <i>Journal of Cell Biology</i> , 2016, 212, 425-438.	2.3	83
44	Structures of two intermediate filament-binding fragments of desmoplakin reveal a unique repeat motif structure. <i>Nature Structural Biology</i> , 2002, 9, 612-20.	9.7	82
45	Mechanisms of Plakoglobin-dependent Adhesion. <i>Journal of Biological Chemistry</i> , 2005, 280, 40355-40363.	1.6	82
46	Analysis of Desmosomal Cadherin-Adhesive Function and Stoichiometry of Desmosomal Cadherin-Plakoglobin Complexes. <i>Journal of Investigative Dermatology</i> , 1996, 107, 293-300.	0.3	81
47	The Expression of Desmoglein Isoforms in Cultured Human Keratinocytes Is Regulated by Calcium, Serum, and Protein Kinase C. <i>Experimental Cell Research</i> , 1998, 239, 50-59.	1.2	78
48	Tyrosine-phosphorylated Plakoglobin Is Associated with Desmogleins but Not Desmoplakin after Epidermal Growth Factor Receptor Activation. <i>Journal of Biological Chemistry</i> , 2001, 276, 24871-24880.	1.6	73
49	Disease mutations in desmoplakin inhibit Cx43 membrane targeting mediated by desmoplakin-EB1 interactions. <i>Journal of Cell Biology</i> , 2014, 206, 779-797.	2.3	70
50	The desmoplakin-intermediate filament linkage regulates cell mechanics. <i>Molecular Biology of the Cell</i> , 2017, 28, 3156-3164.	0.9	70
51	Desmoplakin Regulates Desmosome Hyperadhesion. <i>Journal of Investigative Dermatology</i> , 2012, 132, 482-485.	0.3	62
52	Desmosomes: Essential contributors to an integrated intercellular junction network. <i>F1000Research</i> , 2019, 8, 2150.	0.8	59
53	Plakoglobin regulates cell motility through Rho- and fibronectin-dependent Src signaling. <i>Journal of Cell Science</i> , 2010, 123, 3576-3586.	1.2	58
54	GSK3- and PRMT-1-dependent modifications of desmoplakin control desmoplakin-cytoskeleton dynamics. <i>Journal of Cell Biology</i> , 2015, 208, 597-612.	2.3	58

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55	New insights into the molecular basis of desmoplakin and desmin-related cardiomyopathies. <i>Journal of Cell Science</i> , 2006, 119, 4974-4985.	1.2	57
56	Different roles of cadherins in the assembly and structural integrity of the desmosome complex. <i>Journal of Cell Science</i> , 2014, 127, 2339-50.	1.2	56
57	The plakin family. <i>Journal of Cell Science</i> , 2001, 114, 3409-3410.	1.2	56
58	Structure and function of desmosomal transmembrane core and plaque molecules. <i>Biophysical Chemistry</i> , 1994, 50, 97-112.	1.5	55
59	The calcium ATPase SERCA2 regulates desmoplakin dynamics and intercellular adhesive strength through modulation of PKC $\pm$ signaling. <i>FASEB Journal</i> , 2011, 25, 990-1001.	0.2	55
60	In Vitro Model of the Epidermis. <i>Methods in Enzymology</i> , 2016, 569, 287-308.	0.4	54
61	Desmosomes in the Heart: A Review of Clinical and Mechanistic Analyses. <i>Cell Communication and Adhesion</i> , 2014, 21, 109-128.	1.0	53
62	The effects of taxol on cytoskeletal components in cultured fibroblasts and epithelial cells. <i>Cell Motility</i> , 1983, 3, 283-305.	1.9	52
63	Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. <i>Nature Communications</i> , 2018, 9, 1053.	5.8	52
64	Relationship between intermediate filaments and microfilaments in cultured fibroblasts: Evidence for common foci during cell spreading. <i>Cytoskeleton</i> , 1986, 6, 406-418.	4.4	50
65	Structural and Functional Diversity of Desmosomes. <i>Cell Communication and Adhesion</i> , 2013, 20, 171-187.	1.0	50
66	Human Schlafen 5 (SLFN5) Is a Regulator of Motility and Invasiveness of Renal Cell Carcinoma Cells. <i>Molecular and Cellular Biology</i> , 2015, 35, 2684-2698.	1.1	48
67	Evidence for an interaction between the cell surface and intermediate filaments in cultured fibroblasts. <i>Cytoskeleton</i> , 1986, 6, 389-405.	4.4	45
68	Comparative Analysis of Armadillo Family Proteins in the Regulation of A431 Epithelial Cell Junction Assembly, Adhesion and Migration. <i>Journal of Investigative Dermatology</i> , 2004, 123, 426-433.	0.3	44
69	A rim-and-spoke hypothesis to explain the biomechanical roles for cytoplasmic intermediate filament networks. <i>Journal of Cell Science</i> , 2017, 130, 3437-3445.	1.2	43
70	Scaling up single-cell mechanics to multicellular tissues – the role of the intermediate filament – desmosome network. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	42
71	Desmoplakin maintains gap junctions by inhibiting Ras/MAPK and lysosomal degradation of connexin-43. <i>Journal of Cell Biology</i> , 2018, 217, 3219-3235.	2.3	41
72	Proximity Ligation Assay for Detecting Protein-Protein Interactions and Protein Modifications in Cells and Tissues in Situ. <i>Current Protocols in Cell Biology</i> , 2020, 89, e115.	2.3	41

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73	Structure of Desmoplakin and Its Association with Intermediate Filaments. <i>Journal of Dermatology</i> , 1992, 19, 765-769.	0.6	39
74	Plakoglobin Deficiency Protects Keratinocytes from Apoptosis. <i>Journal of Investigative Dermatology</i> , 2007, 127, 792-801.	0.3	37
75	The C-terminal unique region of desmoglein 2 inhibits its internalization via tail-tail interactions. <i>Journal of Cell Biology</i> , 2012, 199, 699-711.	2.3	37
76	Filaggrin 2 Deficiency Results in Abnormal Cell-Cell Adhesion in the Cornified Cell Layers and Causes Peeling Skin Syndrome Type A. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1736-1743.	0.3	37
77	Desmosomal Cadherins in Health and Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2022, 17, 47-72.	9.6	37
78	The Desmosomal Protein Desmoglein 1 Aids Recovery of Epidermal Differentiation after Acute UV Light Exposure. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2154-2162.	0.3	35
79	The GEF Bcr activates RhoA/MAL signaling to promote keratinocyte differentiation via desmoglein-1. <i>Journal of Cell Biology</i> , 2013, 202, 653-666.	2.3	34
80	Insights from a Desmoplakin Mutation Identified in Lethal Acantholytic Epidermolysis Bullosa. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2680-2683.	0.3	33
81	Desmosomes. <i>Current Biology</i> , 2011, 21, R529-R531.	1.8	33
82	Tracing the Evolutionary Origin of Desmosomes. <i>Current Biology</i> , 2020, 30, R535-R543.	1.8	33
83	Plakoglobin Rescues Adhesive Defects Induced by Ectodomain Truncation of the Desmosomal Cadherin Desmoglein 1. <i>American Journal of Pathology</i> , 2010, 177, 2921-2937.	1.9	31
84	Dominant <i>de novo</i> DSP mutations cause erythrokeratoderma-cardiomyopathy syndrome. <i>Human Molecular Genetics</i> , 2016, 25, 348-357.	1.4	31
85	Intermediate Filaments and the Plasma Membrane. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a025866.	2.3	31
86	Epithelial barrier dysfunction in desmoglein-1 deficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 702-706.e7.	1.5	31
87	Keratinocyte cadherin desmoglein 1 controls melanocyte behavior through paracrine signaling. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 305-317.	1.5	31
88	Cadherin function: Breaking the barrier. <i>Current Biology</i> , 2001, 11, R569-R572.	1.8	29
89	Research Techniques Made Simple: Methodology and Applications of Förster Resonance Energy Transfer (FRET) Microscopy. <i>Journal of Investigative Dermatology</i> , 2017, 137, e185-e191.	0.3	29
90	The Relationship Between Childhood Maltreatment and Violence to Others in Individuals With Psychosis: A Systematic Review and Meta-Analysis. <i>Trauma, Violence, and Abuse</i> , 2019, 20, 358-373.	3.9	29

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91	The Human Genes for Desmogleins (DSG1 and DSG3) Are Located in a Small Region on Chromosome 18q12. <i>Genomics</i> , 1994, 20, 492-495.	1.3	28
92	Phosphorylation of serine 4642 in the COOH-extremity of plectin by MNK2 and PKA modulates its interaction with intermediate filaments. <i>Journal of Cell Science</i> , 2013, 126, 4195-207.	1.2	28
93	Plakophilin 3 mediates Rap1-dependent desmosome assembly and adherens junction maturation. <i>Molecular Biology of the Cell</i> , 2014, 25, 3749-3764.	0.9	28
94	IL-36 $\beta$ Is Involved in Psoriasis and Allergic Contact Dermatitis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1520-1523.	0.3	28
95	Plakophilin 2 Affects Cell Migration by Modulating Focal Adhesion Dynamics and Integrin Protein Expression. <i>Journal of Investigative Dermatology</i> , 2014, 134, 112-122.	0.3	25
96	Translational implications of Th17-skewed inflammation due to genetic deficiency of a cadherin stress sensor. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	24
97	Desmosomes polarize and integrate chemical and mechanical signaling to govern epidermal tissue form and function. <i>Current Biology</i> , 2021, 31, 3275-3291.e5.	1.8	22
98	In Vitro Methods for Investigating Desmoplakin-Intermediate Filament Interactions and Their Role in Adhesive Strength. <i>Methods in Cell Biology</i> , 2004, 78, 757-786.	0.5	21
99	The Desmosomal Armadillo Protein Plakoglobin Regulates Prostate Cancer Cell Adhesion and Motility through Vitronectin-Dependent Src Signaling. <i>PLoS ONE</i> , 2012, 7, e42132.	1.1	19
100	Regulation of intestinal epithelial intercellular adhesion and barrier function by desmosomal cadherin desmocollin-2. <i>Molecular Biology of the Cell</i> , 2021, 32, 753-768.	0.9	18
101	<scp>SVEP</scp> 1 plays a crucial role in epidermal differentiation. <i>Experimental Dermatology</i> , 2017, 26, 423-430.	1.4	17
102	The Role of Desmoglein 1 in Gap Junction Turnover Revealed through the Study of SAM Syndrome. <i>Journal of Investigative Dermatology</i> , 2020, 140, 556-567.e9.	0.3	17
103	Techniques to stimulate and interrogate cell-cell adhesion mechanics. <i>Extreme Mechanics Letters</i> , 2018, 20, 125-139.	2.0	16
104	Desmoglein 1 Regulates Invadopodia by Suppressing EGFR/Erk Signaling in an Erbin-Dependent Manner. <i>Molecular Cancer Research</i> , 2019, 17, 1195-1206.	1.5	16
105	Epidermal Growth Factor Receptor neddylation is regulated by a desmosomal-COP9 (Constitutive) Tj ETQq1 1 0.784314 rgBT <sub>13</sub> Overlo	2.8	13
106	The Desmosome-Keratin Scaffold Integrates ErbB Family and Mechanical Signaling to Polarize Epidermal Structure and Function. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	9
107	Plectin pulls it together, coupling the cortical actin and intermediate filament cytoskeletons. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	5
108	Epidermal Desmoglein 1 Expression Is Reduced in Kidney Transplant Recipients Compared with Immunocompetent Patients. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1908-1912.	0.3	2

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109	Plakophilin 3 and Par3 facilitate desmosomesâ€™ association with the apical junctional complex. <i>Molecular Biology of the Cell</i> , 2021, 32, 1824-1837.	0.9	2
110	Regulatory roles of the cadherin superfamily. <i>F1000 Biology Reports</i> , 2009, 1, 13.	4.0	2
111	Margaret (Peggy) Wheelock (1945-2009): cell scientist, mentor and friend. <i>Journal of Cell Science</i> , 2009, 122, 1475-1476.	1.2	0
112	Targeting of desmoglein 1 in exfoliative toxin-mediated disease. <i>Expert Review of Dermatology</i> , 2010, 5, 659-670.	0.3	0
113	Degrees of Freedom: Your Future in Biomedical Research. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1073-1076.	0.3	0
114	Connecting Cells   Desmosomes and Hemidesmosomes. , 2021, , 134-142.		0
115	Plakophilin-2 loss promotes TGF-Î²1/p38 MAPK-dependent fibrotic gene expression in cardiomyocytes. <i>Journal of Experimental Medicine</i> , 2016, 213, 2133OIA12.	4.2	0
116	An exploration of young peopleâ€™s experiences relating to stability and permanence throughout their care journey. <i>Qualitative Social Work</i> , 2023, 22, 771-794.	0.9	0