

# David R Garrod

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

5,655  
citations

109137

35  
h-index

118652

62  
g-index

70  
all docs

70  
docs citations

70  
times ranked

5262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Der p 1 facilitates transepithelial allergen delivery by disruption of tight junctions. <i>Journal of Clinical Investigation</i> , 1999, 104, 123-133.	3.9	638
2	Desmosome structure, composition and function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 572-587.	1.4	444
3	Mutations in the plakophilin 1 gene result in ectodermal dysplasia/skin fragility syndrome. <i>Nature Genetics</i> , 1997, 17, 240-244.	9.4	363
4	Mast cells disrupt epithelial barrier function during enteric nematode infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7761-7766.	3.3	302
5	Desmosomes and hemidesmosomes. <i>Current Opinion in Cell Biology</i> , 1993, 5, 30-40.	2.6	293
6	Desmosomal adhesion regulates epithelial morphogenesis and cell positioning. <i>Nature Cell Biology</i> , 2001, 3, 823-830.	4.6	247
7	Desmosomal cadherins. <i>Current Opinion in Cell Biology</i> , 2002, 14, 537-545.	2.6	198
8	Mice lacking desmocollin 1 show epidermal fragility accompanied by barrier defects and abnormal differentiation. <i>Journal of Cell Biology</i> , 2001, 155, 821-832.	2.3	176
9	Pollen proteolytic enzymes degrade tight junctions. <i>Respirology</i> , 2007, 12, 834-842.	1.3	164
10	Desmosomes: adhesive strength and signalling in health and disease. <i>Biochemical Journal</i> , 2010, 429, 419-433.	1.7	158
11	The $\delta$ Isoform of Protein Kinase C Is Involved in Signaling the Response of Desmosomes to Wounding in Cultured Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2000, 11, 1077-1092.	0.9	156
12	Desmosomes: differentiation, development, dynamics and disease. <i>Current Opinion in Cell Biology</i> , 1996, 8, 670-678.	2.6	148
13	Interferon- $\beta$ selectively increases epithelial permeability to large molecules by activating different populations of paracellular pores. <i>Journal of Cell Science</i> , 2005, 118, 5221-5230.	1.2	146
14	Desmosomal adhesion: structural basis, molecular mechanism and regulation (Review). <i>Molecular Membrane Biology</i> , 2002, 19, 81-94.	2.0	140
15	Hyper-adhesion in desmosomes: its regulation in wound healing and possible relationship to cadherin crystal structure. <i>Journal of Cell Science</i> , 2005, 118, 5743-5754.	1.2	132
16	Antidesmosomal monoclonal antibody in the diagnosis of intracranial tumours. <i>Journal of Pathology</i> , 1987, 153, 265-273.	2.1	116
17	Induction of Early Stages of Kidney Tubule Differentiation by Lithium Ions. <i>Developmental Biology</i> , 1995, 167, 50-60.	0.9	115
18	Suprabasal Desmoglein 3 Expression in the Epidermis of Transgenic Mice Results in Hyperproliferation and Abnormal Differentiation. <i>Molecular and Cellular Biology</i> , 2002, 22, 5846-5858.	1.1	104

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19	Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010, 29, 254-260.	1.5	98
20	Calcium-Independent Desmosomes of Keratinocytes are Hyper-Adhesive. <i>Journal of Investigative Dermatology</i> , 2007, 127, 775-781.	0.3	92
21	Immunohistochemical study of desmosomes in oral squamous cell carcinoma: correlation with cytokeratin and E-cadherin staining, and with tumour behaviour. , 1998, 184, 369-381.		87
22	Class specific inhibition of house dust mite proteinases which cleave cell adhesion, induce cell death and which increase the permeability of lung epithelium. <i>British Journal of Pharmacology</i> , 1998, 124, 1048-1059.	2.7	79
23	Membrane-impermeable Cross-linking Provides Evidence for Homophilic, Isoform-specific Binding of Desmosomal Cadherins in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 2143-2154.	1.6	66
24	Direct evidence that PKC $\delta$ positively regulates wound re-epithelialization: correlation with changes in desmosomal adhesiveness. <i>Journal of Pathology</i> , 2012, 227, 346-356.	2.1	66
25	Desmosomal Cadherin Misexpression Alters $\beta$ -Catenin Stability and Epidermal Differentiation. <i>Molecular and Cellular Biology</i> , 2005, 25, 969-978.	1.1	65
26	The cell adhesion molecule nectin-1 is critical for normal enamel formation in mice. <i>Human Molecular Genetics</i> , 2008, 17, 3509-3520.	1.4	62
27	Monoclonal antibody to desmosomal glycoprotein 1 is a new epithelial marker for diagnostic pathology. <i>Journal of Pathology</i> , 1987, 153, 365-375.	2.1	60
28	Desmoglein 3, via an Interaction with E-cadherin, Is Associated with Activation of Src. <i>PLoS ONE</i> , 2010, 5, e14211.	1.1	58
29	A novel Nrf2-miR-29-desmocollin-2 axis regulates desmosome function in keratinocytes. <i>Nature Communications</i> , 2014, 5, 5099.	5.8	58
30	Non-junctional human desmoglein 3 acts as an upstream regulator of Src in E-cadherin adhesion, a pathway possibly involved in the pathogenesis of pemphigus vulgaris. <i>Journal of Pathology</i> , 2012, 227, 81-93.	2.1	52
31	EphB2 and EphB3 forward signalling are required for palate development. <i>Mechanisms of Development</i> , 2009, 126, 230-239.	1.7	50
32	Hyper-adhesion: a new concept in cell-cell adhesion. <i>Biochemical Society Transactions</i> , 2008, 36, 195-201.	1.6	49
33	An Adult Passive Transfer Mouse Model to Study Desmoglein 3 Signaling in Pemphigus Vulgaris. <i>Journal of Investigative Dermatology</i> , 2012, 132, 346-355.	0.3	44
34	Tight junction proteins and the epidermis. <i>Experimental Dermatology</i> , 2011, 20, 88-91.	1.4	40
35	Expression of Full-Length Desmosomal Glycoproteins (Desmocollins) Is Not Sufficient to Confer Strong Adhesion on Transfected L929 Cells. <i>Journal of Investigative Dermatology</i> , 1996, 106, 689-695.	0.3	39
36	Changing pattern of desmocollin 3 expression accompanies epidermal organisation during skin development. , 1997, 210, 315-327.		37

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37	Cadherin flexibility provides a key difference between desmosomes and adherens junctions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5395-5400.	3.3	37
38	Desmosomes In Vivo. Dermatology Research and Practice, 2010, 2010, 1-17.	0.3	32
39	Desmosomal cadherins in zebrafish epiboly and gastrulation. BMC Developmental Biology, 2012, 12, 1.	2.1	32
40	Desmosomal Adhesion In Vivo. Cell Communication and Adhesion, 2014, 21, 65-75.	1.0	31
41	Regulation of desmocollin gene expression in the epidermis: CCAAT/enhancer-binding proteins modulate early and late events in keratinocyte differentiation. Biochemical Journal, 2004, 380, 757-765.	1.7	30
42	Controlled laser texturing of titanium results in reliable osteointegration. Journal of Orthopaedic Research, 2017, 35, 820-828.	1.2	30
43	Stroma Regulates Increased Epithelial Lateral Cell Adhesion in 3D Culture: A Role for Actin/Cadherin Dynamics. PLoS ONE, 2011, 6, e18796.	1.1	29
44	Desmosomal adhesiveness is developmentally regulated in the mouse embryo and modulated during trophoblast migration. Developmental Biology, 2012, 369, 286-297.	0.9	26
45	Hyper-adhesion: A Unique Property of Desmosomes. Cell Communication and Adhesion, 2014, 21, 249-256.	1.0	26
46	Down-Regulation of Desmosomes in Cultured Cells: The Roles of PKC, Microtubules and Lysosomal/Proteasomal Degradation. PLoS ONE, 2014, 9, e108570.	1.1	24
47	Activation of protein kinase C modulates cell-cell and cell-substratum adhesion of a human colorectal carcinoma cell line and restores normal epithelial morphology. , 1999, 80, 455-464.		22
48	Pervanadate stabilizes desmosomes. Cell Adhesion and Migration, 2008, 2, 161-166.	1.1	22
49	Innate generation of thrombin and intracellular oxidants in airway epithelium by allergen Der p 1. Journal of Allergy and Clinical Immunology, 2016, 138, 1224-1227.	1.5	21
50	Desmocollin 1 is abundantly expressed in atherosclerosis and impairs high-density lipoprotein biogenesis. European Heart Journal, 2018, 39, 1194-1202.	1.0	21
51	Calcium induces differentiation of primary human salivary acinar cells. Journal of Cellular Physiology, 2002, 193, 55-63.	2.0	17
52	Allergen-dependent oxidant formation requires purinoceptor activation of ADAM 10 and prothrombin. Journal of Allergy and Clinical Immunology, 2017, 139, 2023-2026.e9.	1.5	16
53	Perinuclear and Cytoplasmic Distribution of Desmoglein in Esophageal Squamous Cell Carcinomas. Pathology Research and Practice, 2001, 197, 85-91.	1.0	15
54	Desmosome dualism – most of the junction is stable, but a plakophilin moiety is persistently dynamic. Journal of Cell Science, 2021, 134, .	1.2	13

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55	Pathways of airway oxidant formation by house dust mite allergens and viral RNA converge through myosin motors, pannexons and Toll-like receptor 4. <i>Immunity, Inflammation and Disease</i> , 2018, 6, 276-296.	1.3	11
56	Allergen Delivery Inhibitors: Characterisation of Potent and Selective Inhibitors of Der p 1 and Their Attenuation of Airway Responses to House Dust Mite Allergens. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3166.	1.8	11
57	Chapter 18 Visualization of Desmosomes in the Electron Microscope. <i>Methods in Cell Biology</i> , 2008, 88, 347-366.	0.5	9
58	The Assay that Defines Desmosome Hyper-Adhesion. <i>Journal of Investigative Dermatology</i> , 2013, 133, 577-578.	0.3	9
59	Desmosomal Adhesion. <i>Advances in Molecular and Cell Biology</i> , 1999, , 165-202.	0.1	8
60	Desmoplakin Is Essential for Epidermal Sheet Formation. <i>Journal of Investigative Dermatology</i> , 2007, 127, E12.	0.3	5
61	Future inhaled drugs by virtual innovation: allergen delivery inhibitors. <i>Future Medicinal Chemistry</i> , 2011, 3, 1567-1570.	1.1	5
62	Pancreatic ductal adenocarcinoma cells employ integrin $\alpha 6 \beta 4$ to form hemidesmosomes and regulate cell proliferation. <i>Matrix Biology</i> , 2022, 110, 16-39.	1.5	5
63	Specific inductive flypaper. <i>BioEssays</i> , 1986, 5, 172-173.	1.2	3
64	Intercellular junctions in normal epidermis. <i>Experimental Dermatology</i> , 2004, 13, 652-653.	1.4	1
65	A 4kb Fragment of the Desmocollin 3 Promoter Directs Reporter Gene Expression to Parakeratotic Epidermis and Primary Hair Follicles. <i>Journal of Investigative Dermatology</i> , 2007, 127, 245-247.	0.3	1
66	Desmosomal Cadherins. , 2016, , 159-193.		1
67	Cytoskeleton-attached membrane protein of <i>Dictyostelium discoideum</i> is absent from phagocytosis mutant. <i>Biochemical Society Transactions</i> , 1987, 15, 850-850.	1.6	0
68	Correction: Desmosomal cadherins in zebrafish epiboly and gastrulation. <i>BMC Developmental Biology</i> , 2014, 14, 13.	2.1	0