

# 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  | 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         |
| 2  | Desmosome dualism – most of the junction is stable, but a plakophilin moiety is persistently dynamic. <i>Journal of Cell Science</i> , 2021, 134, .   | 1.2 | 13        |
| 3  | 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        |
| 4  | Desmocollin 1 is abundantly expressed in atherosclerosis and impairs high-density lipoprotein biogenesis. <i>European Heart Journal</i> , 2018, 39, 1194-1202.  | 1.0 | 21        |
| 5  | 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        |
| 6  | Controlled laser texturing of titanium results in reliable osteointegration. <i>Journal of Orthopaedic Research</i> , 2017, 35, 820-828.  | 1.2 | 30        |
| 7  | Allergen-dependent oxidant formation requires purinoceptor activation of ADAM 10 and prothrombin. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 2023-2026.e9.  | 1.5 | 16        |
| 8  | Innate generation of thrombin and intracellular oxidants in airway epithelium by allergen Der p 1. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1224-1227.  | 1.5 | 21        |
| 9  | Desmosomal Cadherins. , 2016, , 159-193.  |     | 1         |
| 10 | Cadherin flexibility provides a key difference between desmosomes and adherens junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5395-5400.                                  | 3.3 | 37        |
| 11 | A novel Nrf2-miR-29-desmocollin-2 axis regulates desmosome function in keratinocytes. <i>Nature Communications</i> , 2014, 5, 5099.   | 5.8 | 58        |
| 12 | Hyper-adhesion: A Unique Property of Desmosomes. <i>Cell Communication and Adhesion</i> , 2014, 21, 249-256.  | 1.0 | 26        |
| 13 | Desmosomal Adhesion In Vivo. <i>Cell Communication and Adhesion</i> , 2014, 21, 65-75.  | 1.0 | 31        |
| 14 | Correction: Desmosomal cadherins in zebrafish epiboly and gastrulation. <i>BMC Developmental Biology</i> , 2014, 14, 13.  | 2.1 | 0         |
| 15 | Down-Regulation of Desmosomes in Cultured Cells: The Roles of PKC, Microtubules and Lysosomal/Proteasomal Degradation. <i>PLoS ONE</i> , 2014, 9, e108570.  | 1.1 | 24        |
| 16 | The Assay that Defines Desmosome Hyper-Adhesion. <i>Journal of Investigative Dermatology</i> , 2013, 133, 577-578.  | 0.3 | 9         |
| 17 | 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        |
| 18 | Desmosomal adhesiveness is developmentally regulated in the mouse embryo and modulated during trophoblast migration. <i>Developmental Biology</i> , 2012, 369, 286-297.   | 0.9 | 26        |

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|----|---|-----|-----------|
| 19 | Desmosomal cadherins in zebrafish epiboly and gastrulation. <i>BMC Developmental Biology</i> , 2012, 12, 1.   | 2.1 | 32        |
| 20 | Non-functional 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        |
| 21 | Direct evidence that PKC $\zeta$ positively regulates wound re-epithelialization: correlation with changes in desmosomal adhesiveness. <i>Journal of Pathology</i> , 2012, 227, 346-356.                              | 2.1 | 66        |
| 22 | Stroma Regulates Increased Epithelial Lateral Cell Adhesion in 3D Culture: A Role for Actin/Cadherin Dynamics. <i>PLoS ONE</i> , 2011, 6, e18796.   | 1.1 | 29        |
| 23 | Tight junction proteins and the epidermis. <i>Experimental Dermatology</i> , 2011, 20, 88-91.   | 1.4 | 40        |
| 24 | Future inhaled drugs by virtual innovation: allergen delivery inhibitors. <i>Future Medicinal Chemistry</i> , 2011, 3, 1567-1570.   | 1.1 | 5         |
| 25 | 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        |
| 26 | Desmoglein 3, via an Interaction with E-cadherin, Is Associated with Activation of Src. <i>PLoS ONE</i> , 2010, 5, e14211.  | 1.1 | 58        |
| 27 | Desmosomes In Vivo. <i>Dermatology Research and Practice</i> , 2010, 2010, 1-17.  | 0.3 | 32        |
| 28 | Desmosomes: adhesive strength and signalling in health and disease. <i>Biochemical Journal</i> , 2010, 429, 419-433.  | 1.7 | 158       |
| 29 | Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010, 29, 254-260.  | 1.5 | 98        |
| 30 | EphB2 and EphB3 forward signalling are required for palate development. <i>Mechanisms of Development</i> , 2009, 126, 230-239.  | 1.7 | 50        |
| 31 | Desmosome structure, composition and function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 572-587.   | 1.4 | 444       |
| 32 | 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        |
| 33 | Pervanadate stabilizes desmosomes. <i>Cell Adhesion and Migration</i> , 2008, 2, 161-166.   | 1.1 | 22        |
| 34 | Chapter 18 Visualization of Desmosomes in the Electron Microscope. <i>Methods in Cell Biology</i> , 2008, 88, 347-366.  | 0.5 | 9         |
| 35 | Hyper-adhesion: a new concept in cell-cell adhesion. <i>Biochemical Society Transactions</i> , 2008, 36, 195-201.   | 1.6 | 49        |
| 36 | Desmoplakin Is Essential for Epidermal Sheet Formation. <i>Journal of Investigative Dermatology</i> , 2007, 127, E12.   | 0.3 | 5         |

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|----|--|-----|-----------|
| 37 | 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         |
| 38 | Calcium-Independent Desmosomes of Keratinocytes are Hyper-Adhesive. <i>Journal of Investigative Dermatology</i> , 2007, 127, 775-781.  | 0.3 | 92        |
| 39 | Pollen proteolytic enzymes degrade tight junctions. <i>Respirology</i> , 2007, 12, 834-842.  | 1.3 | 164       |
| 40 | Desmosomal Cadherin Misexpression Alters $\beta$ -Catenin Stability and Epidermal Differentiation. <i>Molecular and Cellular Biology</i> , 2005, 25, 969-978.  | 1.1 | 65        |
| 41 | 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       |
| 42 | 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       |
| 43 | Intercellular junctions in normal epidermis. <i>Experimental Dermatology</i> , 2004, 13, 652-653.  | 1.4 | 1         |
| 44 | Regulation of desmocollin gene expression in the epidermis: CCAAT/enhancer-binding proteins modulate early and late events in keratinocyte differentiation. <i>Biochemical Journal</i> , 2004, 380, 757-765. | 1.7 | 30        |
| 45 | 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       |
| 46 | Desmosomal adhesion: structural basis, molecular mechanism and regulation (Review). <i>Molecular Membrane Biology</i> , 2002, 19, 81-94.   | 2.0 | 140       |
| 47 | 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       |
| 48 | Desmosomal cadherins. <i>Current Opinion in Cell Biology</i> , 2002, 14, 537-545.  | 2.6 | 198       |
| 49 | Calcium induces differentiation of primary human salivary acinar cells. <i>Journal of Cellular Physiology</i> , 2002, 193, 55-63.  | 2.0 | 17        |
| 50 | Perinuclear and Cytoplasmic Distribution of Desmoglein in Esophageal Squamous Cell Carcinomas. <i>Pathology Research and Practice</i> , 2001, 197, 85-91.  | 1.0 | 15        |
| 51 | Desmosomal adhesion regulates epithelial morphogenesis and cell positioning. <i>Nature Cell Biology</i> , 2001, 3, 823-830.  | 4.6 | 247       |
| 52 | 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       |
| 53 | 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       |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | Desmosomal Adhesion. <i>Advances in Molecular and Cell Biology</i> , 1999, , 165-202.   | 0.1 | 8         |
| 56 | 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       |
| 57 | 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        |
| 58 | 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        |
| 59 | Mutations in the plakophilin 1 gene result in ectodermal dysplasia/skin fragility syndrome. <i>Nature Genetics</i> , 1997, 17, 240-244.   | 9.4 | 363       |
| 60 | Changing pattern of desmocollin 3 expression accompanies epidermal organisation during skin development. , 1997, 210, 315-327.  |     | 37        |
| 61 | Desmosomes: differentiation, development, dynamics and disease. <i>Current Opinion in Cell Biology</i> , 1996, 8, 670-678.  | 2.6 | 148       |
| 62 | 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        |
| 63 | Induction of Early Stages of Kidney Tubule Differentiation by Lithium Ions. <i>Developmental Biology</i> , 1995, 167, 50-60.  | 0.9 | 115       |
| 64 | Desmosomes and hemidesmosomes. <i>Current Opinion in Cell Biology</i> , 1993, 5, 30-40.   | 2.6 | 293       |
| 65 | 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         |
| 66 | Antidesmosomal monoclonal antibody in the diagnosis of intracranial tumours. <i>Journal of Pathology</i> , 1987, 153, 265-273.  | 2.1 | 116       |
| 67 | Monoclonal antibody to desmosomal glycoprotein 1â€”A new epithelial marker for diagnostic pathology. <i>Journal of Pathology</i> , 1987, 153, 365-375.  | 2.1 | 60        |
| 68 | Specific inductive flypaper. <i>BioEssays</i> , 1986, 5, 172-173.   | 1.2 | 3         |