# Ian J Jackson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/730107/publications.pdf

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|---|---|---|---|
| 70<br>papers | 7,047<br>citations | 117453<br>34<br>h-index | 110170<br>64<br>g-index |
| 82<br>all docs | 82<br>docs citations | 82<br>times ranked | 10259<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mouse genomic variation and its effect on phenotypes and gene regulation. Nature, 2011, 477, 289-294. | 13.7 | 1,461 |
| 2 | Variants of the melanocyteâ€“stimulating hormone receptor gene are associated with red hair and fair skin in humans. Nature Genetics, 1995, 11, 328-330. | 9.4 | 919 |
| 3 | Dominant role of the niche in melanocyte stem-cell fate determination. Nature, 2002, 416, 854-860. | 13.7 | 825 |
| 4 | Activation of the Receptor Tyrosine Kinase Kit Is Required for the Proliferation of Melanoblasts in the Mouse Embryo. Developmental Biology, 1997, 192, 99-107. | 0.9 | 292 |
| 5 | The melanocyte lineage in development and disease. Development (Cambridge), 2015, 142, 620-632. | 1.2 | 286 |
| 6 | Molecular and Developmental Genetics of Mouse Coat Color. Annual Review of Genetics, 1994, 28, 189-217. | 3.2 | 254 |
| 7 | The retinal pigmented epithelium is required for development and maintenance of the mouse neural retina. Current Biology, 1995, 5, 1286-1295. | 1.8 | 202 |
| 8 | Melanocortin 1 receptor variation in the domestic dog. Mammalian Genome, 2000, 11, 24-30. | 1.0 | 194 |
| 9 | Regulation of pigmentation in zebrafish melanophores. Pigment Cell & Melanoma Research, 2006, 19, 206-213. | 4.0 | 166 |
| 10 | P-Rex1 is required for efficient melanoblast migration and melanoma metastasis. Nature Communications, 2011, 2, 555. | 5.8 | 152 |
| 11 | Novel ENU-induced eye mutations in the mouse: models for human eye disease. Human Molecular Genetics, 2002, 11, 755-767. | 1.4 | 126 |
| 12 | Mutation Spectrum inRAB3GAP1,RAB3GAP2, andRAB18and Genotype-Phenotype Correlations in Warburg Micro Syndrome and Martsolf Syndrome. Human Mutation, 2013, 34, 686-696. | 1.1 | 114 |
| 13 | Structure of the Mouse Tyrosinase-Related Protein-2/Dopachrome Tautomerase (Tyrp2/Dct) Gene and Sequence of Two Novel Slaty Alleles. Genomics, 1995, 29, 35-43. | 1.3 | 102 |
| 14 | Rac1 Drives Melanoblast Organization during Mouse Development by Orchestrating Pseudopod-Driven Motility and Cell-Cycle Progression. Developmental Cell, 2011, 21, 722-734. | 3.1 | 98 |
| 15 | Genome-wide study of hair colour in UK Biobank explains most of the SNP heritability. Nature Communications, 2018, 9, 5271. | 5.8 | 96 |
| 16 | MGF (KIT Ligand) Is a Chemokinetic Factor for Melanoblast Migration into Hair Follicles. Developmental Biology, 2000, 225, 424-436. | 0.9 | 94 |
| 17 | Acute Versus Chronic Loss of Mammalian Azi1/Cep131 Results in Distinct Ciliary Phenotypes. PLoS Genetics, 2013, 9, e1003928. | 1.5 | 89 |
| 18 | A Conditional Zebrafish MITF Mutation Reveals MITF Levels Are Critical for Melanoma Promotion vs. Regression In Vivo. Journal of Investigative Dermatology, 2014, 134, 133-140. | 0.3 | 86 |

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|---|---|---|---|
| 19 | Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. Nature Communications, 2016, 7, 12444. | 5.8 | 79 |
| 20 | Neural crest progenitors of the melanocyte lineage: coat colour patterns revisited. Development (Cambridge), 2002, 129, 3349-3357. | 1.2 | 72 |
| 21 | HEATR2 Plays a Conserved Role in Assembly of the Ciliary Motile Apparatus. PLoS Genetics, 2014, 10, e1004577. | 1.5 | 67 |
| 22 | A Cell/Cilia Cycle Biosensor for Single-Cell Kinetics Reveals Persistence of Cilia after G1/S Transition Is a General Property in Cells and Mice. Developmental Cell, 2018, 47, 509-523.e5. | 3.1 | 66 |
| 23 | Colour-coded switches. Nature, 1993, 362, 587-588. | 13.7 | 65 |
| 24 | Genetic background influences age-related decline in visual and nonvisual retinal responses, circadian rhythms, and sleep. Neurobiology of Aging, 2015, 36, 380-393. | 1.5 | 61 |
| 25 | Genetic determinants of hair and eye colours in the Scottish and Danish populations. BMC Genetics, 2009, 10, 88. | 2.7 | 57 |
| 26 | Genetics and Molecular Biology of Mouse Pigmentation. Pigment Cell & Melanoma Research, 1994, 7, 73-80. | 4.0 | 54 |
| 27 | Spinster Homolog 2 (Spns2) Deficiency Causes Early Onset Progressive Hearing Loss. PLoS Genetics, 2014, 10, e1004688. | 1.5 | 54 |
| 28 | Reconciling diverse mammalian pigmentation patterns with a fundamental mathematical model. Nature Communications, 2016, 7, 10288. | 5.8 | 53 |
| 29 | Functional Properties of Cloned Melanogenic Proteins. Pigment Cell & Melanoma Research, 1992, 5, 264-270. | 4.0 | 51 |
| 30 | Warburg Micro syndrome is caused by RAB18 deficiency or dysregulation. Open Biology, 2015, 5, 150047. | 1.5 | 46 |
| 31 | Differentiated melanocyte cell division occurs in vivo and is promoted by mutations in Mitf. Development (Cambridge), 2011, 138, 3579-3589. | 1.2 | 44 |
| 32 | Mouse coat colour mutations: A molecular genetic resource which spans the centuries. BioEssays, 1991, 13, 439-446. | 1.2 | 43 |
| 33 | A novel mouse model of Warburg Micro Syndrome reveals roles for RAB18 in eye development and organisation of the neuronal cytoskeleton. DMM Disease Models and Mechanisms, 2014, 7, 711-22. | 1.2 | 38 |
| 34 | Humanized MC1R transgenic mice reveal human specific receptor function. Human Molecular Genetics, 2007, 16, 2341-2348. | 1.4 | 37 |
| 35 | PLAA Mutations Cause a Lethal Infantile Epileptic Encephalopathy by Disrupting Ubiquitin-Mediated Endolysosomal Degradation of Synaptic Proteins. American Journal of Human Genetics, 2017, 100, 706-724. | 2.6 | 37 |
| 36 | Light (Blt), a Mutation That Causes Melanocyte Death, Affects Stria Vascularis Function in the Mouse Inner Ear. Pigment Cell & Melanoma Research, 1993, 6, 215-225. | 4.0 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. Journal of Cell Biology, 2017, 216, 999-1013. | 2.3 | 33 |
| 38 | Dopachrome tautomerase variants in patients with oculocutaneous albinism. Genetics in Medicine, 2021, 23, 479-487. | 1.1 | 33 |
| 39 | Ex vivo live imaging of melanoblast migration in embryonic mouse skin. Pigment Cell and Melanoma Research, 2010, 23, 299-301. | 1.5 | 30 |
| 40 | Kdm3a lysine demethylase is an Hsp90 client required for cytoskeletal rearrangements during spermatogenesis. Molecular Biology of the Cell, 2014, 25, 1216-1233. | 0.9 | 29 |
| 41 | A Dominant-Negative Mutation of Mouse Lmx1b Causes Glaucoma and Is Semi-lethal via LBD1-Mediated Dimerisation. PLoS Genetics, 2014, 10, e1004359. | 1.5 | 28 |
| 42 | Neural crest progenitors of the melanocyte lineage: coat colour patterns revisited. Development (Cambridge), 2002, 129, 3349-57. | 1.2 | 25 |
| 43 | Mouse Idh3a mutations cause retinal degeneration and reduced mitochondrial function. DMM Disease Models and Mechanisms, 2018, 11, . | 1.2 | 23 |
| 44 | Melanocortin receptors and antagonists regulate pigmentation and body weight. BioEssays, 1998, 20, 603-606. | 1.2 | 21 |
| 45 | White-based brown ( Tyrp1 B-w ) is a dominant mutation causing reduced hair pigmentation owing to a chromosomal inversion. Mammalian Genome, 1998, 9, 469-471. | 1.0 | 21 |
| 46 | Mouse Chromosome 4. Mammalian Genome, 1992, 3, S55-S64. | 1.0 | 19 |
| 47 | Loss of <scp>ALDH</scp>18A1 function is associated with a cellular lipid droplet phenotype suggesting a link between autosomal recessive cutis laxa type 3A and Warburg Micro syndrome. Molecular Genetics & Genomic Medicine, 2014, 2, 319-325. | 0.6 | 19 |
| 48 | The nanophthalmos protein TMEM98 inhibits MYRF self-cleavage and is required for eye size specification. PLoS Genetics, 2020, 16, e1008583. | 1.5 | 17 |
| 49 | Missense Mutations in the Human Nanophthalmos GeneTMEM98Cause Retinal Defects in the Mouse. , 2019, 60, 2875. | | 16 |
| 50 | Mouse mutagenesis on target. Nature Genetics, 2001, 28, 198-200. | 9.4 | 14 |
| 51 | Genetic background modifies vulnerability to glaucoma-related phenotypes in Lmx1b mutant mice. DMM Disease Models and Mechanisms, 2021, 14, . | 1.2 | 14 |
| 52 | MouseSlc9a8Mutants Exhibit Retinal Defects Due to Retinal Pigmented Epithelium Dysfunction. , 2015, 56, 3015. | | 13 |
| 53 | Manifestations of microphthalmia. Nature Genetics, 1994, 8, 209-210. | 9.4 | 12 |
| 54 | The goya mutation identifies distinct novel roles for MAP3K1 in cochlear sensory hair cell development and survival. DMM Disease Models and Mechanisms, 2015, 8, 1555-68. | 1.2 | 12 |

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|---|---|---|---|
| 55 | A Trans-Acting Protein Effect Causes Severe Eye Malformation in the Mp Mouse. PLoS Genetics, 2013, 9, e1003998. | 1.5 | 11 |
| 56 | Pigmentary Diversity: Identifying the genes causing human diversity. European Journal of Human Genetics, 2006, 14, 979-980. | 1.4 | 9 |
| 57 | Ex vivo Culture of Mouse Embryonic Skin and Live-imaging of Melanoblast Migration. Journal of Visualized Experiments, 2014, , . | 0.2 | 9 |
| 58 | A custom capture sequence approach for oculocutaneous albinism identifies structural variant alleles at the OCA2 locus. Human Mutation, 2021, 42, 1239-1253. | 1.1 | 7 |
| 59 | Sooty foot, a novel mouse mutation that affects the pigmentation of exposed skin, but not hair, maps to Chromosome 2. Mammalian Genome, 1997, 8, 631-635. | 1.0 | 5 |
| 60 | A mouse model of brittle cornea syndrome caused by mutation in Zfp469. DMM Disease Models and Mechanisms, 2021, 14, . | 1.2 | 5 |
| 61 | A comparative transcript map and candidates for mutant phenotypes in the Tyrp1 (brown) deletion complex homologous to human 9p21-23. Mammalian Genome, 2000, 11, 58-63. | 1.0 | 3 |
| 62 | Sequencing challenge. Nature, 1999, 402, 347-347. | 13.7 | 2 |
| 63 | Fam151b, the mouse homologue of C.elegans menorin gene, is essential for retinal function. Scientific Reports, 2020, 10, 437. | 1.6 | 2 |
| 64 | Red alert about lipid's role in skin cancer. Nature, 2017, 549, 337-339. | 13.7 | 1 |
| 65 | The mouse genome sequence. , 2005, , . | | 0 |
| 66 | How the leopard gets its spots: a transmembrane peptidase specifies feline pigmentation patterns. Pigment Cell and Melanoma Research, 2013, 26, 438-439. | 1.5 | 0 |
| 67 | Title is missing!. , 2020, 16, e1008583. | | 0 |
| 68 | Title is missing!. , 2020, 16, e1008583. | | 0 |
| 69 | Title is missing!. , 2020, 16, e1008583. | | 0 |
| 70 | Title is missing!. , 2020, 16, e1008583. | | 0 |