# Michael T Mcmanus

List of Publications by Year
in descending order



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|---|---|---|---|
| 189 papers | 30,074 citations | 10389 72 h-index | 5255 165 g-index |
| 215 all docs | 215 docs citations | 215 times ranked | 48216 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Integrative analysis of 111 reference human epigenomes. Nature, 2015, 518, 317-330. | 27.8 | 5,653 |
| 2 | A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference. Nature Genetics, 2003, 33, 401-406. | 21.4 | 1,427 |
| 3 | Dysregulation of Cardiogenesis, Cardiac Conduction, and Cell Cycle in Mice Lacking miRNA-1-2. Cell, 2007, 129, 303-317. | 28.9 | 1,341 |
| 4 | Gene silencing in mammals by small interfering RNAs. Nature Reviews Genetics, 2002, 3, 737-747. | 16.3 | 1,303 |
| 5 | Drug-tolerant persister cancer cells are vulnerable to GPX4 inhibition. Nature, 2017, 551, 247-250. | 27.8 | 1,043 |
| 6 | TAZ, a Transcriptional Modulator of Mesenchymal Stem Cell Differentiation. Science, 2005, 309, 1074-1078. | 12.6 | 891 |
| 7 | Pervasive Transcription of the Human Genome Produces Thousands of Previously Unidentified Long Intergenic Noncoding RNAs. PLoS Genetics, 2013, 9, e1003569. | 3.5 | 655 |
| 8 | The RNaseIII enzyme Dicer is required for morphogenesis but not patterning of the vertebrate limb. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10898-10903. | 7.1 | 619 |
| 9 | Cre-lox-regulated conditional RNA interference from transgenes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10380-10385. | 7.1 | 575 |
| 10 | IRE1Î± Cleaves Select microRNAs During ER Stress to Derepress Translation of Proapoptotic Caspase-2. Science, 2012, 338, 818-822. | 12.6 | 550 |
| 11 | Dicer1 and miR-219 Are Required for Normal Oligodendrocyte Differentiation and Myelination. Neuron, 2010, 65, 597-611. | 8.1 | 501 |
| 12 | Selective miRNA disruption in T reg cells leads to uncontrolled autoimmunity. Journal of Experimental Medicine, 2008, 205, 1983-1991. | 8.5 | 482 |
| 13 | RNA interference of influenza virus production by directly targeting mRNA for degradation and indirectly inhibiting all viral RNA transcription. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2718-2723. | 7.1 | 480 |
| 14 | Chd1 regulates open chromatin and pluripotency of embryonic stem cells. Nature, 2009, 460, 863-868. | 27.8 | 449 |
| 15 | MicroRNA-responsive 'sensor' transgenes uncover Hox-like and other developmentally regulated patterns of vertebrate microRNA expression. Nature Genetics, 2004, 36, 1079-1083. | 21.4 | 411 |
| 16 | Conditional Loss of Dicer Disrupts Cellular and Tissue Morphogenesis in the Cortex and Hippocampus. Journal of Neuroscience, 2008, 28, 4322-4330. | 3.6 | 411 |
| 17 | Dicerfunction is essential for lung epithelium morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2208-2213. | 7.1 | 382 |
| 18 | Choosing the Right Tool for the Job: RNAi, TALEN, or CRISPR. Molecular Cell, 2015, 58, 575-585. | 9.7 | 374 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | MicroRNAs and cancer. Seminars in Cancer Biology, 2003, 13, 253-258. | 9.6 | 368 |
| 20 | The microRNA miR-196 acts upstream of Hoxb8 and Shh in limb development. Nature, 2005, 438, 671-674. | 27.8 | 365 |
| 21 | MicroRNA Expression Is Required for Pancreatic Islet Cell Genesis in the Mouse. Diabetes, 2007, 56, 2938-2945. | 0.6 | 344 |
| 22 | A Systematic Mammalian Genetic Interaction Map Reveals Pathways Underlying Ricin Susceptibility. Cell, 2013, 152, 909-922. | 28.9 | 332 |
| 23 | BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. Nature, 2019, 572, 614-619. | 27.8 | 332 |
| 24 | Podocyte-Specific Deletion of Dicer Alters Cytoskeletal Dynamics and Causes Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2008, 19, 2150-2158. | 6.1 | 300 |
| 25 | Essential role for Dicer during skeletal muscle development. Developmental Biology, 2007, 311, 359-368. | 2.0 | 298 |
| 26 | CP110, a Cell Cycle-Dependent CDK Substrate, Regulates Centrosome Duplication in Human Cells. Developmental Cell, 2002, 3, 339-350. | 7.0 | 290 |
| 27 | Gene silencing using micro-RNA designed hairpins. Rna, 2002, 8, 842-850. | 3.5 | 280 |
| 28 | Unexplored therapeutic opportunities in the human genome. Nature Reviews Drug Discovery, 2018, 17, 317-332. | 46.4 | 263 |
| 29 | Members of the miRNA-200 Family Regulate Olfactory Neurogenesis. Neuron, 2008, 57, 41-55. | 8.1 | 245 |
| 30 | A systematic comparison reveals substantial differences in chromosomal versus episomal encoding of enhancer activity. Genome Research, 2017, 27, 38-52. | 5.5 | 244 |
| 31 | Negative regulation of Hif1a expression and TH17 differentiation by the hypoxia-regulated microRNA miR-210. Nature Immunology, 2014, 15, 393-401. | 14.5 | 219 |
| 32 | Small Interfering RNA-Mediated Gene Silencing in T Lymphocytes. Journal of Immunology, 2002, 169, 5754-5760. | 0.8 | 217 |
| 33 | Dicer loss in striatal neurons produces behavioral and neuroanatomical phenotypes in the absence of neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5614-5619. | 7.1 | 205 |
| 34 | DicerInactivation Leads to Progressive Functional and Structural Degeneration of the Mouse Retina. Journal of Neuroscience, 2008, 28, 4878-4887. | 3.6 | 204 |
| 35 | Dicer1 Is Required for Differentiation of the Mouse Male Germline1. Biology of Reproduction, 2008, 79, 696-703. | 2.7 | 203 |
| 36 | Effects of age and gender on in vitro properties of human liver microsomal monooxygenases. Clinical Pharmacology and Therapeutics, 1990, 48, 365-374. | 4.7 | 200 |

| # | Article | IF | Citations |
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| 37 | Dicer ablation in oligodendrocytes provokes neuronal impairment in mice. Annals of Neurology, 2009, 66, 843-857. | 5.3 | 191 |
| 38 | LPS induces KHâ€type splicing regulatory proteinâ€dependent processing of microRNAâ€155 precursors in macrophages. FASEB Journal, 2009, 23, 2898-2908. | 0.5 | 188 |
| 39 | Analysis of microRNA knockouts in mice. Human Molecular Genetics, 2010, 19, R169-R175. | 2.9 | 186 |
| 40 | T cell activation induces proteasomal degradation of Argonaute and rapid remodeling of the microRNA repertoire. Journal of Experimental Medicine, 2013, 210, 417-432. | 8.5 | 180 |
| 41 | Up-regulation of miR-21 by HER2/neu Signaling Promotes Cell Invasion. Journal of Biological Chemistry, 2009, 284, 18515-18524. | 3.4 | 176 |
| 42 | Sertoli cell Dicer is essential for spermatogenesis in mice. Developmental Biology, 2009, 326, 250-259. | 2.0 | 171 |
| 43 | Disruption of Dicer1 Induces Dysregulated Fetal Gene Expression and Promotes Hepatocarcinogenesis. Gastroenterology, 2009, 136, 2304-2315.e4. | 1.3 | 167 |
| 44 | A Resource for the Conditional Ablation of microRNAs in the Mouse. Cell Reports, 2012, 1, 385-391. | 6.4 | 163 |
| 45 | Extracellular Sulfatases, Elements of the Wnt Signaling Pathway, Positively Regulate Growth and Tumorigenicity of Human Pancreatic Cancer Cells. PLoS ONE, 2007, 2, e392. | 2.5 | 162 |
| 46 | MicroRNAs and endocrine biology. Journal of Endocrinology, 2005, 187, 327-332. | 2.6 | 159 |
| 47 | CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. Cell, 2020, 182, 563-577.e20. | 28.9 | 156 |
| 48 | The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242. | 28.9 | 152 |
| 49 | Cell Separation Processes in Plantsâ€”Models, Mechanisms and Manipulation. Annals of Botany, 2000, 86, 223-235. | 2.9 | 151 |
| 50 | PIM1 kinase inhibition as a targeted therapy against triple-negative breast tumors with elevated MYC expression. Nature Medicine, 2016, 22, 1321-1329. | 30.7 | 138 |
| 51 | An expanded universe of cancer targets. Cell, 2021, 184, 1142-1155. | 28.9 | 135 |
| 52 | Residual microRNA expression dictates the extent of inner ear development in conditional Dicer knockout mice. Developmental Biology, 2009, 328, 328-341. | 2.0 | 131 |
| 53 | Accumulation of a chymotrypsin inhibitor in transgenic tobacco can affect the growth of insect pests. Transgenic Research, 1994, 3, 50-58. | 2.4 | 130 |
| 54 | Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. Cell Reports, 2020, 32, 107881. | 6.4 | 130 |

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| 55 | Dual gene activation and knockout screen reveals directional dependencies in genetic networks. Nature Biotechnology, 2018, 36, 170-178. | 17.5 | 120 |
| 56 | MicroRNAs 24 and 27 Suppress Allergic Inflammation and Target a Network of Regulators of T Helper 2 Cell-Associated Cytokine Production. Immunity, 2016, 44, 821-832. | 14.3 | 119 |
| 57 | Expanded RNA-binding activities of mammalian Argonaute 2. Nucleic Acids Research, 2009, 37, 7533-7545. | 14.5 | 113 |
| 58 | A high-coverage shRNA screen identifies TMEM129 as an E3 ligase involved in ER-associated protein degradation. Nature Communications, 2014, 5, 3832. | 12.8 | 113 |
| 59 | Ethylene and carbon dioxide production by developing strawberries show a correlative pattern that is indicative of ripening climacteric fruit. Physiologia Plantarum, 2006, 127, 247-259. | 5.2 | 105 |
| 60 | Identification of candidate mitochondrial RNA editing ligases from Trypanosoma brucei. Rna, 2001, 7, 167-175. | 3.5 | 103 |
| 61 | Research Resource: RNA-Seq Reveals Unique Features of the Pancreatic Î²-Cell Transcriptome. Molecular Endocrinology, 2012, 26, 1783-1792. | 3.7 | 95 |
| 62 | Dicer is required for proper liver zonation. Journal of Pathology, 2009, 219, 365-372. | 4.5 | 94 |
| 63 | Massively parallel functional annotation of 3â€² untranslated regions. Nature Biotechnology, 2014, 32, 387-391. | 17.5 | 93 |
| 64 | Effects of the soybean (Kunitz) trypsin inhibitor on growth and digestive proteases of larvae of Spodoptera litura. Journal of Insect Physiology, 1995, 41, 731-738. | 2.0 | 92 |
| 65 | Rapid creation and quantitative monitoring of high coverage shRNA libraries. Nature Methods, 2009, 6, 443-445. | 19.0 | 92 |
| 66 | The Pitx2:miR-200c/141:noggin pathway regulates Bmp signaling and ameloblast differentiation. Development (Cambridge), 2013, 140, 3348-3359. | 2.5 | 88 |
| 67 | Genome-wide CRISPR screen identifies FAM49B as a key regulator of actin dynamics and T cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4051-E4060. | 7.1 | 88 |
| 68 | Mouse let-7 miRNA populations exhibit RNA editing that is constrained in the 5'-seed/ cleavage/anchor regions and stabilize predicted mmu-let-7a:mRNA duplexes. Genome Research, 2008, 18, 1571-1581. | 5.5 | 87 |
| 69 | Systematic Identification of Barriers to Human iPSC Generation. Cell, 2014, 158, 449-461. | 28.9 | 86 |
| 70 | Identification of a monoclonal antibody to abscission tissue that recognises xylose/fucose-containing N-linked oligosaccharides from higher plants. Planta, 1988, 175, 506-512. | 3.2 | 85 |
| 71 | Genetic analyses reveal a requirement for Dicer1 in the mouse urogenital tract. Mammalian Genome, 2009, 20, 140-151. | 2.2 | 82 |
| 72 | Biogenesis, delivery, and function of extracellular RNA. Journal of Extracellular Vesicles, 2015, 4, 27494. | 12.2 | 80 |

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| 73 | The Transcriptionally Permissive Chromatin State of Embryonic Stem Cells Is Acutely Tuned to Translational Output. Cell Stem Cell, 2018, 22, 369-383.e8. | 11.1 | 75 |
| 74 | Genetic Models Reveal cis and trans Immune-Regulatory Activities for lincRNA-Cox2. Cell Reports, 2018, 25, 1511-1524.e6. | 6.4 | 73 |
| 75 | Changes in photosynthetic efficiency and carotenoid composition in leaves of white clover at different developmental stages. Plant Physiology and Biochemistry, 2003, 41, 887-893. | 5.8 | 72 |
| 76 | Next-Generation NAMPT Inhibitors Identified by Sequential High-Throughput Phenotypic Chemical and Functional Genomic Screens. Chemistry and Biology, 2013, 20, 1352-1363. | 6.0 | 72 |
| 77 | Expression of 1-Aminocyclopropane-1-Carboxylate Oxidase during Leaf Ontogeny in White Clover1. Plant Physiology, 1999, 120, 131-142. | 4.8 | 70 |
| 78 | Genomic Resolution of DLX-Orchestrated Transcriptional Circuits Driving Development of Forebrain GABAergic Neurons. Cell Reports, 2019, 28, 2048-2063.e8. | 6.4 | 68 |
| 79 | A Novel Alliinase from Onion Roots. Biochemical Characterization and cDNA Cloning. Plant Physiology, 2000, 122, 1269-1280. | 4.8 | 65 |
| 80 | miR-15/16 Restrain Memory T Cell Differentiation, Cell Cycle, and Survival. Cell Reports, 2019, 28, 2169-2181.e4. | 6.4 | 65 |
| 81 | The proteomics of senescence in leaves of white clover, Trifolium repens (L.). Proteomics, 2002, 2, 1114-1122. | 2.2 | 63 |
| 82 | Human CD45 is an F-component-specific receptor for the staphylococcal toxin Pantonâ€“Valentine leukocidin. Nature Microbiology, 2018, 3, 708-717. | 13.3 | 63 |
| 83 | CRISPR/Cas-based screening of long non-coding RNAs (lncRNAs) in macrophages with an NF-Î²B reporter. Journal of Biological Chemistry, 2017, 292, 20911-20920. | 3.4 | 60 |
| 84 | Posttranscriptional Silencing of Effector Cytokine mRNA Underlies the Anergic Phenotype of Self-Reactive T Cells. Immunity, 2011, 34, 50-60. | 14.3 | 56 |
| 85 | Precursor MicroRNA-Programmed Silencing Complex Assembly Pathways in Mammals. Molecular Cell, 2012, 46, 507-517. | 9.7 | 56 |
| 86 | Epigenetic and transcriptional determinants of the human breast. Nature Communications, 2015, 6, 6351. | 12.8 | 56 |
| 87 | Dual Strategies for Argonaute2-Mediated Biogenesis of Erythroid miRNAs Underlie Conserved Requirements for Slicing in Mammals. Molecular Cell, 2018, 69, 265-278.e6. | 9.7 | 56 |
| 88 | A screen in mice uncovers repression of lipoprotein lipase by microRNAâ€29a as a mechanism for lipid distribution away from the liver. Hepatology, 2015, 61, 141-152. | 7.3 | 54 |
| 89 | Characterization of the 1-aminocyclopropane-1-carboxylic acid (ACC) oxidase multigene family of Malus domestica Borkh. Phytochemistry, 2009, 70, 348-360. | 2.9 | 52 |
| 90 | Transdifferentiation of Mature Cortical Cells to Functional Abscission Cells in Bean1. Plant Physiology, 1998, 116, 891-899. | 4.8 | 51 |

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| 91 | Thermoregulation via Temperature-Dependent PGD2 Production in Mouse Preoptic Area. Neuron, 2019, 103, 309-322.e7. | 8.1 | 50 |
| 92 | An siRNA Screen in Pancreatic Beta Cells Reveals a Role for Gpr27 in Insulin Production. PLoS Genetics, 2012, 8, e1002449. | 3.5 | 49 |
| 93 | Processing of polycistronic guide RNAs is associated with RNA editing complexes in Trypanosoma brucei. EMBO Journal, 2000, 19, 5525-5532. | 7.8 | 48 |
| 94 | A cysteine proteinase inhibitor purified from apple fruit. Phytochemistry, 1998, 49, 957-963. | 2.9 | 46 |
| 95 | Biochar in Co-Contaminated Soil Manipulates Arsenic Solubility and Microbiological Community Structure, and Promotes Organochlorine Degradation. PLoS ONE, 2015, 10, e0125393. | 2.5 | 45 |
| 96 | Title is missing!. Transgenic Research, 1999, 8, 383-395. | 2.4 | 43 |
| 97 | Pinitol accumulation in mature leaves of white clover in response to a water deficit. Environmental and Experimental Botany, 2000, 43, 11-18. | 4.2 | 43 |
| 98 | Sulfur and nitrogen fertility affects flavour of field-grown onions. Plant and Soil, 2005, 269, 151-158. | 3.7 | 43 |
| 99 | Lentivirus Production. Journal of Visualized Experiments, 2009, , . | 0.3 | 42 |
| 100 | Right- and left-loop short shRNAs have distinct and unusual mechanisms of gene silencing. Nucleic Acids Research, 2012, 40, 9255-9271. | 14.5 | 41 |
| 101 | Examining the evidence for extracellular RNA function in mammals. Nature Reviews Genetics, 2021, 22, 448-458. | 16.3 | 41 |
| 102 | Unintentional miRNA Ablation Is a Risk Factor in Gene Knockout Studies: A Short Report. PLoS Genetics, 2008, 4, e34. | 3.5 | 40 |
| 103 | Observations on the leaf anatomy ofFestuca novaeâ€zelandiaeand biochemical responses to a water deficit. New Zealand Journal of Botany, 1998, 36, 113-123. | 1.1 | 39 |
| 104 | Trypanosoma brucei Guide RNA Poly(U) Tail Formation Is Stabilized by Cognate mRNA. Molecular and Cellular Biology, 2000, 20, 883-891. | 2.3 | 39 |
| 105 | Duox2 exhibits potent heme peroxidase activity in human respiratory tract epithelium. FEBS Letters, 2006, 580, 5150-5154. | 2.8 | 37 |
| 106 | miR-200 deficiency promotes lung cancer metastasis by activating Notch signaling in cancer-associated fibroblasts. Genes and Development, 2021, 35, 1109-1122. | 5.9 | 35 |
| 107 | TARGET CELLS FOR ETHYLENE ACTION. , 1985, , 197-212. | | 32 |
| 108 | Defining epithelial cell dynamics and lineage relationships in the developing lacrimal gland. Development (Cambridge), 2017, 144, 2517-2528. | 2.5 | 32 |

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| 109 | Polymerase II Promoter Strength Determines Efficacy of microRNA Adapted shRNAs. PLoS ONE, 2011, 6, e26213. | 2.5 | 31 |
| 110 | Widespread RNA 3â€²-end oligouridylation in mammals. Rna, 2012, 18, 394-401. | 3.5 | 30 |
| 111 | Comparison of acid phosphatases in two genotypes of white clover with different responses to applied phosphate. Journal of Plant Nutrition, 1999, 22, 679-692. | 1.9 | 29 |
| 112 | Small RNAs and Immunity. Immunity, 2004, 21, 747-756. | 14.3 | 29 |
| 113 | Identification and characterisation of two distinct acid phosphatases in cell walls of roots of white clover. Plant Physiology and Biochemistry, 2000, 38, 259-270. | 5.8 | 27 |
| 114 | Senescence-associated down-regulation of 1-aminocyclopropane-1-carboxylate (ACC) oxidase delays harvest-induced senescence in broccoli. Functional Plant Biology, 2005, 32, 891. | 2.1 | 27 |
| 115 | The microRNA-processing enzyme Dicer is dispensable for somite segmentation but essential for limb bud positioning. Developmental Biology, 2011, 351, 254-265. | 2.0 | 27 |
| 116 | Dicer Regulates Differentiation and Viability during Mouse Pancreatic Cancer Initiation. PLoS ONE, 2014, 9, e95486. | 2.5 | 27 |
| 117 | High-Throughput CRISPR Screening Identifies Genes Involved in Macrophage Viability and Inflammatory Pathways. Cell Reports, 2020, 33, 108541. | 6.4 | 25 |
| 118 | Identification of polypeptides specific to rachis abscission zone cells of Sambucus nigra. Physiologia Plantarum, 1990, 79, 471-478. | 5.2 | 24 |
| 119 | Evidence for the Preferential Expression of Particular Polypeptides in Leaf Abscission Zones of the Bean Phaseolus vulgaris L.. Journal of Plant Physiology, 1990, 136, 391-397. | 3.5 | 24 |
| 120 | Expression of 1-Aminocyclopropane-1-Carboxylate (ACC) Oxidase Genes During the Development of Vegetative Tissues in White Clover (Trifolium repens L.) is Regulated by Ontological Cues. Plant Molecular Biology, 2006, 60, 451-467. | 3.9 | 24 |
| 121 | Behind the Scenes of a Small RNA Gene-Silencing Pathway. Human Gene Therapy, 2008, 19, 17-26. | 2.7 | 24 |
| 122 | Transcription of Biotic Stress Associated Genes in White Clover (Trifolium repens L.) Differs in Response to Cyst and Root-Knot Nematode Infection. PLoS ONE, 2015, 10, e0137981. | 2.5 | 24 |
| 123 | Further Examination of Abscission Zone Cells as Ethylene Target Cells in Higher Plants. Annals of Botany, 2007, 101, 285-292. | 2.9 | 22 |
| 124 | Let-7b/c Enhance the Stability of a Tissue-Specific mRNA during Mammalian Organogenesis as Part of a Feedback Loop Involving KSRP. PLoS Genetics, 2012, 8, e1002823. | 3.5 | 22 |
| 125 | Tissue-specific changes in remobilisation of fructan in the xerophytic tussock species Festuca novae-zelandiae in response to a water deficit. Functional Plant Biology, 2004, 31, 377. | 2.1 | 20 |
| 126 | Complex formation between recombinant ATP sulfurylase and APS reductase of Allium cepa (L.). FEBS Letters, 2007, 581, 4139-4147. | 2.8 | 20 |

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|---|---|---|---|
| 127 | Slowing Down the Ras Lane: miRNAs as Tumor Suppressors?. Science Signaling, 2005, 2005, pe41-pe41. | 3.6 | 19 |
| 128 | RNA interference in embryonic stem cells and the prospects for future therapies. Gene Therapy, 2006, 13, 478-486. | 4.5 | 19 |
| 129 | Expression of the soybean (Kunitz) trypsin inhibitor in leaves of white clover (Trifolium repens L.). Plant Science, 2005, 168, 1211-1220. | 3.6 | 18 |
| 130 | miR-29 Sustains B Cell Survival and Controls Terminal Differentiation via Regulation of PI3K Signaling. Cell Reports, 2020, 33, 108436. | 6.4 | 18 |
| 131 | Purification and characterisation of two ACC oxidases expressed differentially during leaf ontogeny in white clover. Physiologia Plantarum, 2000, 110, 13-21. | 5.2 | 17 |
| 132 | Knockâ€down of transcript abundance of a family of Kunitz proteinase inhibitor genes in white clover () Tj ETQq0 0 0 rgBT /Overlock 10 1188-1201. | 7.3 | 16 |
| 133 | Kunitz Proteinase Inhibitors Limit Water Stress Responses in White Clover (Trifolium repens L.) Plants. Frontiers in Plant Science, 2017, 8, 1683. | 3.6 | 16 |
| 134 | Partially Penetrant Postnatal Lethality of an Epithelial Specific MicroRNA in a Mouse Knockout. PLoS ONE, 2013, 8, e76634. | 2.5 | 16 |
| 135 | Biochemical Methods for Analysis of Kinetoplastid RNA Editing. Methods, 1998, 15, 15-26. | 3.8 | 15 |
| 136 | Identification and Characterisation of Proteinase Inhibitors and Their Genes from Seeds of Apple (Malus domestica). Journal of Biochemistry, 2003, 134, 31-42. | 1.7 | 15 |
| 137 | Molecular and biochemical characterisation of a serine acetyltransferase of onion, Allium cepa (L.). Phytochemistry, 2005, 66, 1407-1416. | 2.9 | 15 |
| 138 | Changes in 1-aminocyclopropane-1-carboxlate (ACC) oxidase expression and enzyme activity in response to excess manganese in white clover (Trifolium repens L.). Plant Physiology and Biochemistry, 2011, 49, 1013-1019. | 5.8 | 15 |
| 139 | A Whole-Genome RNA Interference Screen Reveals a Role forSpry2in Insulin Transcription and the Unfolded Protein Response. Diabetes, 2017, 66, 1703-1712. | 0.6 | 15 |
| 140 | Tracing cellular heterogeneity in pooled genetic screens via multi-level barcoding. BMC Genomics, 2019, 20, 107. | 2.8 | 15 |
| 141 | Chapter 27 Flexibility and Commitment in Plant Cells During Development. Current Topics in Developmental Biology, 1986, 20, 383-396. | 2.2 | 13 |
| 142 | Genotypic variation in the sulfur assimilation and metabolism of onion (Allium cepa L.) I. Plant composition and transcript accumulation. Phytochemistry, 2011, 72, 882-887. | 2.9 | 13 |
| 143 | Regulation of root growth by auxin and ethylene is influenced by phosphate supply in white clover (Trifolium repens L.). Plant Growth Regulation, 2012, 66, 179-190. | 3.4 | 13 |
| 144 | Identification of MiR-205 As a MicroRNA That Is Highly Expressed in Medullary Thymic Epithelial Cells. PLoS ONE, 2015, 10, e0135440. | 2.5 | 13 |

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| 145 | Identification and Characterization of an Ionically-Bound Cell Wall Glycoprotein Expressed Preferentially in the Leaf Rachis Abscission Zone of Sambucus nigra L.. Journal of Plant Physiology, 1991, 138, 63-67. | 3.5 | 11 |
| 146 | miR-205 Regulates Basal Cell Identity and Stem Cell Regenerative Potential During Mammary Reconstitution. Stem Cells, 2018, 36, 1875-1889. | 3.2 | 11 |
| 147 | Wounding induces a series of closely related trypsin/chymotrypsin inhibitory peptides in leaves of tobacco. Phytochemistry, 1994, 37, 921-926. | 2.9 | 10 |
| 148 | Characterization of Monoclonal Antibodies that Recognize the Soybean (Kunitz) Trypsin Inhibitor: Binding to the Inhibitor Interrupts the Formation of the Trypsin : Inhibitor Complex. Journal of Plant Physiology, 1995, 146, 243-248. | 3.5 | 10 |
| 149 | Genotypic variation in sulfur assimilation and metabolism of onion (Allium cepa L.) III. Characterization of sulfite reductase. Phytochemistry, 2012, 83, 34-42. | 2.9 | 10 |
| 150 | Far away from the lamppost. PLoS Biology, 2018, 16, e3000067. | 5.6 | 10 |
| 151 | High-Complexity shRNA Libraries and PI3 Kinase Inhibition in Cancer: High-Fidelity Synthetic Lethality Predictions. Cell Reports, 2019, 27, 631-647.e5. | 6.4 | 9 |
| 152 | Hostâ€“Receptor Post-Translational Modifications Refine Staphylococcal Leukocidin Cytotoxicity. Toxins, 2020, 12, 106. | 3.4 | 9 |
| 153 | Identification of two further cationic peroxidase isoenzymes secreted by peanut cells in suspension culture. Plant Physiology and Biochemistry, 1998, 36, 591-599. | 5.8 | 8 |
| 154 | Identification of cell wall proteins in roots of phosphate-deprived white clover plants. Plant Physiology and Biochemistry, 1998, 36, 305-311. | 5.8 | 8 |
| 155 | Control of Sulfur Uptake, Assimilation and Metabolism. , 0, , 348-372. | | 8 |
| 156 | Control of Carbon Fixation in Chloroplasts. , 0, , 187-218. | | 8 |
| 157 | Genotypic variation in sulphur assimilation and metabolism of onion (Allium cepa L.). II: Characterisation of ATP sulphurylase activity. Phytochemistry, 2011, 72, 888-896. | 2.9 | 8 |
| 158 | Lentiviral Strategies for RNAi Knockdown of Neuronal Genes. Current Protocols in Neuroscience, 2007, 39, Unit 5.26. | 2.6 | 7 |
| 159 | Discovering the complexity of the metazoan transcriptome. Genome Biology, 2014, 15, 112. | 9.6 | 7 |
| 160 | miR-205 is a critical regulator of lacrimal gland development. Developmental Biology, 2017, 427, 12-20. | 2.0 | 7 |
| 161 | Developmental regulation of 1-aminocyclopropane-1-carboxylate synthase gene expression during leaf ontogeny in white clover. Physiologia Plantarum, 2005, 124, 107-120. | 5.2 | 6 |
| 162 | Regulation of 1-aminocyclopropane-1-carboxylate oxidase gene expression during leaf ontogeny in white clover. Plant Growth Regulation, 2010, 62, 31-41. | 3.4 | 6 |

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| 163 | Removal of the N-linked glycan structure from the peanut peroxidase prxPNC2: Influence on protein stability and activity. Phytochemistry, 2005, 66, 1869-1879. | 2.9 | 5 |
| 164 | Cell wall proteins in white clover: influence of plant phosphate status. Plant Physiology and Biochemistry, 1999, 37, 25-32. | 5.8 | 4 |
| 165 | Identification of Leaf Abscission Zones as a Specific Class of Target Cells for Ethylene. , 1989, , 201-210. | | 4 |
| 166 | Tissue-specific Changes in the Pattern of Ubiquitin Conjugation of Leaf Proteins in Festuca novae-zelandiae in Response to a Water Deficit. Journal of Plant Physiology, 1999, 154, 404-407. | 3.5 | 3 |
| 167 | ACC oxidase (ACO) genes in Trifolium occidentale (L.) and their relationship to ACO genes in white clover (T. repens L.) and T. pallescens (L.). Plant Physiology and Biochemistry, 2011, 49, 420-426. | 5.8 | 3 |
| 168 | Renewable RNAi. Nature Biotechnology, 2013, 31, 319-320. | 17.5 | 3 |
| 169 | Characterization of serine proteinase inhibitors in dry seeds of cultivated pasture grass species. Seed Science Research, 1994, 4, 335-345. | 1.7 | 2 |
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