

David K Crossman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2864865/publications.pdf>

Version: 2024-02-01

114
papers

4,273
citations

136740

32
h-index

133063

59
g-index

121
all docs

121
docs citations

121
times ranked

7827
citing authors

#	ARTICLE	IF	CITATIONS
1	Abundant Lipid and Protein Components of Drusen. PLoS ONE, 2010, 5, e10329.	1.1	293
2	Mycobacterium tuberculosis WhiB3 Maintains Redox Homeostasis by Regulating Virulence Lipid Anabolism to Modulate Macrophage Response. PLoS Pathogens, 2009, 5, e1000545.	2.1	253
3	Germline loss-of-function mutations in LZTR1 predispose to an inherited disorder of multiple schwannomas. Nature Genetics, 2014, 46, 182-187.	9.4	242
4	Heme Oxygenase-1-derived Carbon Monoxide Induces the Mycobacterium tuberculosis Dormancy Regulon. Journal of Biological Chemistry, 2008, 283, 18032-18039.	1.6	203
5	Altered DNA Methylation Profile in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 525-535.	2.5	200
6	2'-Hydroxycytidine Is a Potent Anti-alphavirus Compound That Induces a High Level of Mutations in the Viral Genome. Journal of Virology, 2018, 92, .	1.5	148
7	The Unfolded Protein Response (UPR)-activated Transcription Factor X-box-binding Protein 1 (XBP1) Induces MicroRNA-346 Expression That Targets the Human Antigen Peptide Transporter 1 (TAP1) mRNA and Governs Immune Regulatory Genes. Journal of Biological Chemistry, 2011, 286, 41862-41870.	1.6	134
8	Single-Cell RNA Sequencing Identifies Candidate Renal Resident Macrophage Gene Expression Signatures across Species. Journal of the American Society of Nephrology: JASN, 2019, 30, 767-781.	3.0	126
9	Photoprotective Properties of Vitamin D and Lumisterol Hydroxyderivatives. Cell Biochemistry and Biophysics, 2020, 78, 165-180.	0.9	113
10	Getting Started with Microbiome Analysis: Sample Acquisition to Bioinformatics. Current Protocols in Human Genetics, 2014, 82, 18.8.1-29.	3.5	111
11	Differential and Overlapping Effects of 20,23(OH)2D3 and 1,25(OH)2D3 on Gene Expression in Human Epidermal Keratinocytes: Identification of AhR as an Alternative Receptor for 20,23(OH)2D3. International Journal of Molecular Sciences, 2018, 19, 3072.	1.8	98
12	lrbesartan in Marfan syndrome (AIMS): a double-blind, placebo-controlled randomised trial. Lancet, The, 2019, 394, 2263-2270.	6.3	88
13	Glioma-initiating cells at tumor edge gain signals from tumor core cells to promote their malignancy. Nature Communications, 2020, 11, 4660.	5.8	80
14	Genome-wide DNA methylation encodes cardiac transcriptional reprogramming in human ischemic heart failure. Laboratory Investigation, 2019, 99, 371-386.	1.7	77
15	RNA sequencing and proteomics approaches reveal novel deficits in the cortex of Mecp2-deficient mice, a model for Rett syndrome. Molecular Autism, 2017, 8, 56.	2.6	75
16	Resident macrophages reprogram toward a developmental state after acute kidney injury. JCI Insight, 2019, 4, .	2.3	75
17	Obesity superimposed on aging magnifies inflammation and delays the resolving response after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H269-H280.	1.5	70
18	Hedgehog pathway activity in pediatric embryonal rhabdomyosarcoma and undifferentiated sarcoma: A report from the Children's Oncology Group. Pediatric Blood and Cancer, 2011, 57, 930-938.	0.8	64

#	ARTICLE	IF	CITATIONS
19	ATP Evokes Ca ²⁺ Responses and CXCL5 Secretion via P2X ₄ Receptor Activation in Human Monocyte-Derived Macrophages. <i>Journal of Immunology</i> , 2018, 200, 1159-1168.	0.4	60
20	Vitamin D and lumisterol derivatives can act on liver X receptors (LXRs). <i>Scientific Reports</i> , 2021, 11, 8002.	1.6	60
21	Compromised Metabolic Reprogramming Is an Early Indicator of CD8 ⁺ T Cell Dysfunction during Chronic Mycobacterium tuberculosis Infection. <i>Cell Reports</i> , 2019, 29, 3564-3579.e5.	2.9	58
22	Biochemical and Epigenetic Insights into L-2-Hydroxyglutarate, a Potential Therapeutic Target in Renal Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 6433-6446.	3.2	54
23	Identification of donor microbe species that colonize and persist long term in the recipient after fecal transplant for recurrent Clostridium difficile. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 12.	2.9	52
24	Tissue-Resident Macrophages Promote Renal Cystic Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1841-1856.	3.0	51
25	Alterations in Gene Expression and DNA Methylation during Murine and Human Lung Alveolar Septation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 60-73.	1.4	49
26	Interferon-induced mechanosensing defects impede apoptotic cell clearance in lupus. <i>Journal of Clinical Investigation</i> , 2015, 125, 2877-2890.	3.9	48
27	WNT5A Inhibits Metastasis and Alters Splicing of Cd44 in Breast Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e58329.	1.1	47
28	Developmental Reprogramming in Mesenchymal Stromal Cells of Human Subjects with Idiopathic Pulmonary Fibrosis. <i>Scientific Reports</i> , 2016, 6, 37445.	1.6	46
29	Molecular Response to Neoadjuvant Chemotherapy in High-Grade Serous Ovarian Carcinoma. <i>Molecular Cancer Research</i> , 2018, 16, 813-824.	1.5	42
30	Muscle microRNA signatures as biomarkers of disease progression in amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2018, 114, 85-94.	2.1	40
31	Regulation of Pattern Recognition Receptors by the Apolipoprotein A-I Mimetic Peptide 4F. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2631-2639.	1.1	39
32	Uropathogenic <i>Escherichia coli</i> Engages CD14-Dependent Signaling to Enable Bladder-Macrophage-Dependent Control of Acute Urinary Tract Infection. <i>Journal of Infectious Diseases</i> , 2016, 213, 659-668.	1.9	39
33	Individualized recovery of gut microbial strains post antibiotics. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 30.	2.9	36
34	Glycosyltransferase ST6Gal-I promotes the epithelial to mesenchymal transition in pancreatic cancer cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100034.	1.6	35
35	The Human Blood-Nerve Barrier Transcriptome. <i>Scientific Reports</i> , 2017, 7, 17477.	1.6	33
36	An in vitro hyaluronic acid hydrogel based platform to model dormancy in brain metastatic breast cancer cells. <i>Acta Biomaterialia</i> , 2020, 107, 65-77.	4.1	33

#	ARTICLE	IF	CITATIONS
37	HuR promotes the molecular signature and phenotype of activated microglia: Implications for amyotrophic lateral sclerosis and other neurodegenerative diseases. <i>Glia</i> , 2017, 65, 945-963.	2.5	31
38	Sharing of gut microbial strains between selected individual sets of twins cohabitating for decades. <i>PLoS ONE</i> , 2019, 14, e0226111.	1.1	31
39	The acetyllysine reader BRD3R promotes human nuclear reprogramming and regulates mitosis. <i>Nature Communications</i> , 2016, 7, 10869.	5.8	28
40	Somatic Mutations Modulate Autoantibodies against Galactose-Deficient IgA1 in IgA Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3278-3284.	3.0	27
41	Genome-wide mRNA profiling identifies <i>RCAN1</i> and <i>GADD45A</i> as regulators of the transitional switch from survival to apoptosis during ER stress. <i>FEBS Journal</i> , 2020, 287, 2923-2947.	2.2	27
42	CHD7 regulates cardiovascular development through ATP-dependent and -independent activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28847-28858.	3.3	27
43	Sodium nitrite protects against kidney injury induced by brain death and improves post-transplant function. <i>Kidney International</i> , 2012, 82, 304-313.	2.6	26
44	Identification of transcriptome signature for myocardial reductive stress. <i>Redox Biology</i> , 2017, 13, 568-580.	3.9	25
45	Natural and Recombinant SARS-CoV-2 Isolates Rapidly Evolve <i>In Vitro</i> to Higher Infectivity through More Efficient Binding to Heparan Sulfate and Reduced S1/S2 Cleavage. <i>Journal of Virology</i> , 2021, 95, e0135721.	1.5	25
46	Conservation of Structure and Protein-Protein Interactions Mediated by the Secreted Mycobacterial Proteins EsxA, EsxB, and EspA. <i>Journal of Bacteriology</i> , 2010, 192, 326-335.	1.0	24
47	An individualized mosaic of maternal microbial strains is transmitted to the infant gut microbial community. <i>Royal Society Open Science</i> , 2020, 7, 192200.	1.1	24
48	TXNIP regulates myocardial fatty acid oxidation via miR-33a signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H64-H75.	1.5	24
49	Genome-wide mRNA profiling identifies X-box-binding protein 1 (XBP1) as an IRE1 and PUMA repressor. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7061-7080.	2.4	24
50	Differential Gene Expression Landscape of Co-Existing Cervical Pre-Cancer Lesions Using RNA-seq. <i>Frontiers in Oncology</i> , 2014, 4, 339.	1.3	23
51	PIWI proteins contribute to apoptosis during the UPR in human airway epithelial cells. <i>Scientific Reports</i> , 2018, 8, 16431.	1.6	23
52	Intrinsic IL-2 production by effector CD8 T cells affects IL-2 signaling and promotes fate decisions, stemness, and protection. <i>Science Immunology</i> , 2022, 7, eabl6322.	5.6	22
53	<i>Burkholderia pseudomallei</i> Capsule Exacerbates Respiratory Melioidosis but Does Not Afford Protection against Antimicrobial Signaling or Bacterial Killing in Human Olfactory Ensheathing Cells. <i>Infection and Immunity</i> , 2016, 84, 1941-1956.	1.0	20
54	Identification of DNA methylation associated enrichment pathways in adults with non-specific chronic low back pain. <i>Molecular Pain</i> , 2020, 16, 174480692097288.	1.0	20

#	ARTICLE	IF	CITATIONS
55	Colonization potential to reconstitute a microbe community in patients detected early after fecal microbe transplant for recurrent <i>C. difficile</i> . <i>BMC Microbiology</i> , 2016, 16, 5.	1.3	19
56	Identification of new regulators of embryonic patterning and morphogenesis in <i>Xenopus gastrulae</i> by RNA sequencing. <i>Developmental Biology</i> , 2017, 426, 429-441.	0.9	19
57	New microbe genomic variants in patients fecal community following surgical disruption of the upper human gastrointestinal tract. <i>Human Microbiome Journal</i> , 2018, 10, 37-42.	3.8	19
58	Therapeutically actionable PAK4 is amplified, overexpressed, and involved in bladder cancer progression. <i>Oncogene</i> , 2020, 39, 4077-4091.	2.6	19
59	Targeting the HuR Oncogenic Role with a New Class of Cytoplasmic Dimerization Inhibitors. <i>Cancer Research</i> , 2021, 81, 2220-2233.	0.4	19
60	STRAP regulates alternative splicing fidelity during lineage commitment of mouse embryonic stem cells. <i>Nature Communications</i> , 2020, 11, 5941.	5.8	18
61	Cell-Specific Deletion of PGC-1 β from Medium Spiny Neurons Causes Transcriptional Alterations and Age-Related Motor Impairment. <i>Journal of Neuroscience</i> , 2018, 38, 3273-3286.	1.7	17
62	Interleukin-1 beta inhibition with canakinumab and reducing lung cancerâ€”subset analysis of the canakinumab anti-inflammatory thrombosis outcome study trial (CANTOS). <i>Journal of Thoracic Disease</i> , 2018, 10, S3084-S3087.	0.6	17
63	Antiretroviral therapy potentiates high-fat diet induced obesity and glucose intolerance. <i>Molecular Metabolism</i> , 2018, 12, 48-61.	3.0	17
64	Podocyte-specific expression of Cre recombinase promotes glomerular basement membrane thickening. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F1026-F1040.	1.3	17
65	Antifibrogenic Activities of CYP11A1-derived Vitamin D3-hydroxyderivatives Are Dependent on ROR γ . <i>Endocrinology</i> , 2021, 162, .	1.4	16
66	Allelic series of Huntington's disease knock-in mice reveals expression dis-correlates. <i>Human Molecular Genetics</i> , 2016, 25, 1619-1636.	1.4	15
67	The impact of <i>Lactococcus lactis</i> (probiotic nasal rinse) co-culture on growth of patient-derived strains of <i>Pseudomonas aeruginosa</i> . <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 444-449.	1.5	14
68	Selective LXR agonist DMHCA corrects retinal and bone marrow dysfunction in type 2 diabetes. <i>JCI Insight</i> , 2020, 5, .	2.3	14
69	Kinase analysis of penile squamous cell carcinoma on multiple platforms to identify potential therapeutic targets. <i>Oncotarget</i> , 2017, 8, 21710-21718.	0.8	14
70	Analysis of the Human Proteome in Subcutaneous and Visceral Fat Depots in Diabetic and Non-diabetic Patients with Morbid Obesity. <i>Journal of Proteomics and Bioinformatics</i> , 2015, 08, 133-141.	0.4	13
71	STAT4 Directs a Protective Innate Lymphoid Cell Response to Gastrointestinal Infection. <i>Journal of Immunology</i> , 2019, 203, 2472-2484.	0.4	13
72	High color-vision sensitivity in macaque and humans. <i>Visual Neuroscience</i> , 2000, 17, 119-125.	0.5	11

#	ARTICLE	IF	CITATIONS
73	Two novel cases further expand the phenotype of TOR1AIP1-associated nuclear envelopopathies. <i>Human Genetics</i> , 2020, 139, 483-498.	1.8	11
74	CRISPR/Cas9-mediated knockout of PIM3 suppresses tumorigenesis and cancer cell stemness in human hepatoblastoma cells. <i>Cancer Gene Therapy</i> , 2022, 29, 558-572.	2.2	11
75	Hypomagnesemia due to two novel TRPM6 mutations. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2015, 28, 1373-8.	0.4	10
76	DOCK3 is a dosage-sensitive regulator of skeletal muscle and Duchenne muscular dystrophy-associated pathologies. <i>Human Molecular Genetics</i> , 2020, 29, 2855-2871.	1.4	10
77	Human gut microbial communities dictate efficacy of anti-PD-1 therapy in a humanized microbiome mouse model of glioma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab023.	0.4	10
78	miR-486 is essential for muscle function and suppresses a dystrophic transcriptome. <i>Life Science Alliance</i> , 2022, 5, e202101215.	1.3	10
79	The hypoxia-induced changes in <i>miRNA</i> in <i>RNA</i> -induced silencing complexes and <i>HIF</i> induced <i>miRNAs</i> in human endothelial cells. <i>FASEB Journal</i> , 2022, 36, .	0.2	10
80	Bioenergetic programming of macrophages by the apolipoprotein A-I mimetic peptide 4F. <i>Biochemical Journal</i> , 2015, 467, 517-527.	1.7	9
81	Profiling and quantification of pluripotency reprogramming reveal that WNT pathways and cell morphology have to be reprogramed extensively. <i>Heliyon</i> , 2020, 6, e04035.	1.4	9
82	Triazoloacridone C-1305 impairs XBP1 splicing by acting as a potential IRE1 β endoribonuclease inhibitor. <i>Cellular and Molecular Biology Letters</i> , 2021, 26, 11.	2.7	9
83	Strain Tracking to Identify Individualized Patterns of Microbial Strain Stability in the Developing Infant Gut Ecosystem. <i>Frontiers in Pediatrics</i> , 2020, 8, 549844.	0.9	9
84	Targeting Acid Ceramidase Inhibits Glioblastoma Cell Migration through Decreased AKT Signaling. <i>Cells</i> , 2022, 11, 1873.	1.8	9
85	Whole exome sequencing identified sixty-five coding mutations in four neuroblastoma tumors. <i>Scientific Reports</i> , 2017, 7, 17787.	1.6	8
86	KSRP modulates melanoma growth and efficacy of vemurafenib. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 759-770.	0.9	8
87	Non-obstructive vas deferens and epididymis loss in cystic fibrosis rats. <i>Mechanisms of Development</i> , 2019, 155, 15-26.	1.7	8
88	Fc Receptor-Like 6 (FCRL6) Discloses Progenitor B Cell Heterogeneity That Correlates With Pre-BCR Dependent and Independent Pathways of Natural Antibody Selection. <i>Frontiers in Immunology</i> , 2020, 11, 82.	2.2	8
89	Metabolic Alterations and WNT Signaling Impact Immune Response in HGSOc. <i>Clinical Cancer Research</i> , 2022, 28, 1433-1445.	3.2	8
90	A Comprehensive Immune Cell Atlas of Cystic Kidney Disease Reveals the Involvement of Adaptive Immune Cells in Injury-Mediated Cyst Progression in Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 747-768.	3.0	8

#	ARTICLE	IF	CITATIONS
91	Hydroxyproline stimulates inflammation and reprograms macrophage signaling in a rat kidney stone model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166442.	1.8	8
92	Transcriptomic Profiling of DAF-7/TGF β 2 Pathway Mutants in <i>C. elegans</i> . <i>Genes</i> , 2020, 11, 288.	1.0	7
93	RNASeq analysis reveals upregulation of complement C3 in the offspring gut following prenatal stress in mice. <i>Immunobiology</i> , 2020, 225, 151983.	0.8	6
94	Serine-Threonine Kinase Receptor-Associated Protein (STRAP) Knockout Decreases the Malignant Phenotype in Neuroblastoma Cell Lines. <i>Cancers</i> , 2021, 13, 3201.	1.7	6
95	The Canakinumab Antiinflammatory Thrombosis Outcome Study trialâ€”the starting gun has fired. <i>Journal of Thoracic Disease</i> , 2017, 9, 4922-4925.	0.6	5
96	Multi-omics Profiling for NF1 Target Discovery in Neurofibromin (NF1) Deficient Cells. <i>Proteomics</i> , 2019, 19, e1800334.	1.3	5
97	The One Health Consortium: Design of a Phase I Clinical Trial to Evaluate M032, a Genetically Engineered HSV-1 Expressing IL-12, in Combination With a Checkpoint Inhibitor in Canine Patients With Sporadic High Grade Gliomas. <i>Frontiers in Surgery</i> , 2020, 7, 59.	0.6	5
98	Utilizing Genome-Wide mRNA Profiling to Identify the Cytotoxic Chemotherapeutic Mechanism of Triazoloacridone C-1305 as Direct Microtubule Stabilization. <i>Cancers</i> , 2020, 12, 864.	1.7	5
99	Differential and Overlapping Effects of Melatonin and Its Metabolites on Keratinocyte Function: Bioinformatics and Metabolic Analyses. <i>Antioxidants</i> , 2021, 10, 618.	2.2	5
100	Suppression of <i>SIN3A</i> by miR-183 Promotes Breast Cancer Metastasis. <i>Molecular Cancer Research</i> , 2022, 20, 883-894.	1.5	5
101	Systematic integrated analyses of methylomic and transcriptomic impacts of early combined botanicals on estrogen receptor-negative mammary cancer. <i>Scientific Reports</i> , 2021, 11, 9481.	1.6	4
102	Real-time methylomic aberrations during initiation and progression of induced human mammary epithelial cell tumorigenesis. <i>Epigenomics</i> , 2013, 5, 155-165.	1.0	3
103	Gene-Expression Analysis Identifies IGFBP2 Dysregulation in Dental Pulp Cells From Human Cleidocranial Dysplasia. <i>Frontiers in Genetics</i> , 2018, 9, 178.	1.1	3
104	Downregulation of PDGFR β Signaling Overcomes Crizotinib Resistance in a TYRO3 and ALK Mutated Neuroendocrine-Like Tumor. <i>Translational Oncology</i> , 2021, 14, 101099.	1.7	3
105	Targeted massively parallel sequencing of candidate regions on chromosome 22q predisposing to multiple schwannomas: an analysis of 51 individuals in a single center experience. <i>Human Mutation</i> , 2021, , .	1.1	3
106	Kidney cell type-specific changes in the chromatin and transcriptome landscapes following epithelial <i>Hdac1</i> and <i>Hdac2</i> knockdown. <i>Physiological Genomics</i> , 2022, 54, 45-57.	1.0	3
107	Transcriptional Regulation of Structural and Functional Adaptations in a Developing Adulthood Myocardium. <i>Cardiology and Cardiovascular Medicine</i> , 2021, 05, 454-470.	0.1	2
108	Identifying a molecular profile to predict the risk of recurrence in high-intermediate risk endometrial cancer. <i>Cancer Medicine</i> , 2021, 10, 8238-8250.	1.3	2

#	ARTICLE	IF	CITATIONS
109	An integrated analysis of the effects of maternal broccoli sprouts exposure on transcriptome and methylome in prevention of offspring mammary cancer. PLoS ONE, 2022, 17, e0264858.	1.1	2
110	Assigning immunoglobulin class from single-cell transcriptomes in IgA1-secreting versus membrane subpopulations. BioTechniques, 2021, 70, 89-99.	0.8	1
111	High-Throughput Tabular Data Processor “ Platform independent graphical tool for processing large data sets. PLoS ONE, 2018, 13, e0192858.	1.1	1
112	Drp1 regulates transcription of ribosomal protein genes in embryonic hearts. Journal of Cell Science, 2022, 135, .	1.2	1
113	Disruption of endosomal sorting in Schwann cells leads to defective myelination and endosomal abnormalities observed in Charcot-Marie-Tooth disease. Journal of Neuroscience, 2022, , JN-RM-2481-21.	1.7	1
114	Early infiltrating macrophage subtype correlates with late-stage phenotypic outcome in a mouse model of hepatorenal fibrocystic disease. Laboratory Investigation, 2021, 101, 1382-1393.	1.7	0