

Garret A Fitzgerald

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

5,805
citations

32
h-index

75
g-index

112
ext. papers

7,123
ext. citations

13.2
avg, IF

6.4
L-index

#	Paper	IF	Citations
101	Coxibs and cardiovascular disease. <i>New England Journal of Medicine</i> , 2004 , 351, 1709-11	59.2	733
100	Understanding multicellular function and disease with human tissue-specific networks. <i>Nature Genetics</i> , 2015 , 47, 569-76	36.3	473
99	Vitamin E suppresses isoprostane generation in vivo and reduces atherosclerosis in ApoE-deficient mice. <i>Nature Medicine</i> , 1998 , 4, 1189-92	50.5	449
98	Increased F2-isoprostanes in Alzheimer's disease: evidence for enhanced lipid peroxidation in vivo. <i>FASEB Journal</i> , 1998 , 12, 1777-83	0.9	365
97	Rhythmicity of the intestinal microbiota is regulated by gender and the host circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10479-84	11.5	279
96	Circadian clock proteins regulate neuronal redox homeostasis and neurodegeneration. <i>Journal of Clinical Investigation</i> , 2013 , 123, 5389-400	15.9	264
95	Increased formation of distinct F2 isoprostanes in hypercholesterolemia. <i>Circulation</i> , 1998 , 98, 2822-8	16.7	236
94	Circadian control of innate immunity in macrophages by miR-155 targeting Bmal1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7231-6	11.5	183
93	Timing of expression of the core clock gene Bmal1 influences its effects on aging and survival. <i>Science Translational Medicine</i> , 2016 , 8, 324ra16	17.5	181
92	Simulation-based comprehensive benchmarking of RNA-seq aligners. <i>Nature Methods</i> , 2017 , 14, 135-139	21.6	160
91	Causal effects of body mass index on cardiometabolic traits and events: a Mendelian randomization analysis. <i>American Journal of Human Genetics</i> , 2014 , 94, 198-208	11	156
90	Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. <i>American Journal of Human Genetics</i> , 2014 , 94, 349-60	11	131
89	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017 , 32, 380-393	3.2	127
88	Enhanced Lipid Peroxidation in Patients Positive for Antiphospholipid Antibodies. <i>Blood</i> , 1997 , 90, 3931-3935	3.35	101
87	Aspirin prevents colorectal cancer metastasis in mice by splitting the crosstalk between platelets and tumor cells. <i>Oncotarget</i> , 2016 , 7, 32462-77	3.3	101
86	Misguided drug advice for COVID-19. <i>Science</i> , 2020 , 367, 1434	33.3	100
85	Microbes vs. chemistry in the origin of the anaerobic gut lumen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4170-4175	11.5	100

84	Dosing time matters. <i>Science</i> , 2019 , 365, 547-549	33.3	92
83	The Cardiovascular Pharmacology of Nonsteroidal Anti-Inflammatory Drugs. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 733-748	13.2	74
82	Regulation of amyloid- β dynamics and pathology by the circadian clock. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1059-1068	16.6	72
81	Fibroblast growth factor 21 (FGF21) is robustly induced by ethanol and has a protective role in ethanol associated liver injury. <i>Molecular Metabolism</i> , 2017 , 6, 1395-1406	8.8	69
80	Bioactive products formed in humans from fish oils. <i>Journal of Lipid Research</i> , 2015 , 56, 1808-20	6.3	66
79	Neurofurans, novel indices of oxidant stress derived from docosahexaenoic acid. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6-16	5.4	65
78	Timing the Microbes: The Circadian Rhythm of the Gut Microbiome. <i>Journal of Biological Rhythms</i> , 2017 , 32, 505-515	3.2	64
77	Bidirectional interactions between indomethacin and the murine intestinal microbiota. <i>ELife</i> , 2015 , 4, e08973	8.9	60
76	Opinion: anticipating change in drug development: the emerging era of translational medicine and therapeutics. <i>Nature Reviews Drug Discovery</i> , 2005 , 4, 815-8	64.1	58
75	Circadian control of lung inflammation in influenza infection. <i>Nature Communications</i> , 2019 , 10, 4107	17.4	55
74	Circadian Clocks and Metabolism: Implications for Microbiome and Aging. <i>Trends in Genetics</i> , 2017 , 33, 760-769	8.5	54
73	Vitamin E Reduces Monocyte Tissue Factor Expression in Cirrhotic Patients. <i>Blood</i> , 1999 , 93, 2945-2950	2.2	47
72	Genetic Models Reveal cis and trans Immune-Regulatory Activities for lincRNA-Cox2. <i>Cell Reports</i> , 2018 , 25, 1511-1524.e6	10.6	40
71	Time for nonaddictive relief of pain. <i>Science</i> , 2017 , 355, 1026-1027	33.3	36
70	COX-2 in play at the AHA and the FDA. <i>Trends in Pharmacological Sciences</i> , 2007 , 28, 303-7	13.2	35
69	Confluence, Not Conflict of Interest: Name Change Necessary. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1791-2	27.4	32
68	Cyclooxygenase Inhibition: Pain, Inflammation, and the Cardiovascular System. <i>Clinical Pharmacology and Therapeutics</i> , 2017 , 102, 611-622	6.1	31
67	The cyclooxygenase-1/mPGES-1/endothelial prostaglandin EP4 receptor pathway constrains myocardial ischemia-reperfusion injury. <i>Nature Communications</i> , 2019 , 10, 1888	17.4	30

66	Myeloid Cell COX-2 deletion reduces mammary tumor growth through enhanced cytotoxic T-lymphocyte function. <i>Carcinogenesis</i> , 2014 , 35, 1788-97	4.6	29
65	A broad-spectrum lipidomics screen of antiinflammatory drug combinations in human blood. <i>JCI Insight</i> , 2016 , 1,	9.9	27
64	Sexual dimorphism in body clocks. <i>Science</i> , 2020 , 369, 1164-1165	33.3	23
63	CMPF, a Metabolite Formed Upon Prescription Omega-3-Acid Ethyl Ester Supplementation, Prevents and Reverses Steatosis. <i>EBioMedicine</i> , 2018 , 27, 200-213	8.8	21
62	Imprecision: Limitations to Interpretation of a Large Randomized Clinical Trial. <i>Circulation</i> , 2017 , 135, 113-115	16.7	21
61	MEDICINE. Personalization in practice. <i>Science</i> , 2015 , 350, 282-3	33.3	20
60	The future of humans as model organisms. <i>Science</i> , 2018 , 361, 552-553	33.3	19
59	Lipocalin-Like Prostaglandin D Synthase but Not Hemopoietic Prostaglandin D Synthase Deletion Causes Hypertension and Accelerates Thrombogenesis in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018 , 367, 425-432	4.7	19
58	Bmal1 Deletion in Myeloid Cells Attenuates Atherosclerotic Lesion Development and Restrains Abdominal Aortic Aneurysm Formation in Hyperlipidemic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1523-1532	9.4	18
57	Cold-Induced Browning of Inguinal White Adipose Tissue Is Independent of Adipose Tissue Cyclooxygenase-2. <i>Cell Reports</i> , 2018 , 24, 809-814	10.6	18
56	Protective Role of mPGES-1 (Microsomal Prostaglandin E Synthase-1)-Derived PGE (Prostaglandin E) and the Endothelial EP4 (Prostaglandin E Receptor) in Vascular Responses to Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 1115-1124	9.4	17
55	I prostanoid receptor-mediated inflammatory pathway promotes hepatic gluconeogenesis through activation of PKA and inhibition of AKT. <i>Diabetes</i> , 2014 , 63, 2911-23	0.9	17
54	Measure for Measure: Biomarker standards and transparency. <i>Science Translational Medicine</i> , 2016 , 8, 343fs10	17.5	16
53	Time in motion: the molecular clock meets the microbiome. <i>Cell</i> , 2014 , 159, 469-70	56.2	16
52	Genomic and lipidomic analyses differentiate the compensatory roles of two COX isoforms during systemic inflammation in mice. <i>Journal of Lipid Research</i> , 2018 , 59, 102-112	6.3	16
51	The Pioglitazone Trek via Human PPAR Gamma: From Discovery to a Medicine at the FDA and Beyond. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1093	5.6	16
50	Cardiovascular Consequences of Prostanoid I Receptor Deletion in Microsomal Prostaglandin E Synthase-1-Deficient Hyperlipidemic Mice. <i>Circulation</i> , 2016 , 134, 328-38	16.7	15
49	BIOMEDICINE. Bringing PGE ₂ from the cold. <i>Science</i> , 2015 , 348, 1208-9	33.3	15

48	Prostaglandins: modulators of inflammation and cardiovascular risk. <i>Journal of Clinical Rheumatology</i> , 2004 , 10, S12-7	1.1	15
47	Induction of prostacyclin receptor expression in human erythroleukemia cells. <i>FEBS Letters</i> , 1989 , 255, 172-4	3.8	15
46	Comparative evaluation of RNA-Seq library preparation methods for strand-specificity and low input. <i>Scientific Reports</i> , 2019 , 9, 13477	4.9	14
45	Cyclooxygenase inhibition abrogates aeroallergen-induced immune tolerance by suppressing prostaglandin I ₂ receptor signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 698-705.e5	11.5	13
44	Platelet-Activating Factor-Induced Reduction in Contact Hypersensitivity Responses Is Mediated by Mast Cells via Cyclooxygenase-2-Dependent Mechanisms. <i>Journal of Immunology</i> , 2018 , 200, 4004-4011	5.3	12
43	Variability in the Analgesic Response to Ibuprofen Is Associated With Cyclooxygenase Activation in Inflammatory Pain. <i>Clinical Pharmacology and Therapeutics</i> , 2019 , 106, 632-641	6.1	11
42	Clocks and cardiovascular function. <i>Methods in Enzymology</i> , 2015 , 552, 211-28	1.7	11
41	Vitamin E Reduces Monocyte Tissue Factor Expression in Cirrhotic Patients. <i>Blood</i> , 1999 , 93, 2945-2950	2.2	11
40	Guidelines for the design and conduct of human clinical trials on ingestion-time differences - chronopharmacology and chronotherapy - of hypertension medications. <i>Chronobiology International</i> , 2021 , 38, 1-26	3.6	11
39	Myeloid Cell Hypoxia-Inducible Factors Promote Resolution of Inflammation in Experimental Colitis. <i>Frontiers in Immunology</i> , 2018 , 9, 2565	8.4	11
38	Flipping the cyclooxygenase () genes reveals isoform-specific compensatory functions. <i>Journal of Lipid Research</i> , 2018 , 59, 89-101	6.3	10
37	Thymic stromal lymphopoietin induces adipose loss through sebum hypersecretion. <i>Science</i> , 2021 , 373,	33.3	10
36	Cyclooxygenase-2, Asymmetric Dimethylarginine, and the Cardiovascular Hazard From Nonsteroidal Anti-Inflammatory Drugs. <i>Circulation</i> , 2018 , 138, 2367-2378	16.7	9
35	Platelet-Specific Deletion of Cyclooxygenase-1 Ameliorates Dextran Sulfate Sodium-Induced Colitis in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 416-426	4.7	9
34	Bmal1 deletion in mice facilitates adaptation to disrupted light/dark conditions. <i>JCI Insight</i> , 2019 , 5,	9.9	9
33	Academia Europaea Position Paper on Translational Medicine: The Cycle Model for Translating Scientific Results into Community Benefits. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	9
32	Accounting for Time: Circadian Rhythms in the Time of COVID-19. <i>Journal of Biological Rhythms</i> , 2021 , 36, 4-8	3.2	9
31	GCG100649, A Novel Cyclooxygenase-2 Inhibitor, Exhibits a Drug Disposition Profile in Healthy Volunteers Compatible With High Affinity to Carbonic Anhydrase-I/II: Preliminary Dose-Exposure Relationships to Define Clinical Development Strategies. <i>Clinical Pharmacology in Drug Development</i> , 2013 , 2, 378-86	2.3	8

30	Perestroika in pharma: evolution or revolution in drug development?. <i>Mount Sinai Journal of Medicine</i> , 2010 , 77, 327-32		8
29	Analysis of isoprostanes. <i>European Journal of Lipid Science and Technology</i> , 2002 , 104, 429-435	3	7
28	Bioactive lipids in antiviral immunity. <i>Science</i> , 2021 , 371, 237-238	33.3	7
27	Time-Dependent Hypotensive Effect of Aspirin in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2819-2826	9.4	7
26	Myeloid Cell mPges-1 Deletion Attenuates Mortality Without Affecting Remodeling After Acute Myocardial Infarction in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 18-24	4.7	6
25	Evolution in translational science: Whither the CTSAs?. <i>Science Translational Medicine</i> , 2015 , 7, 284fs15	17.5	6
24	Pharmacological Characterization of the Microsomal Prostaglandin E Synthase-1 Inhibitor AF3485 and. <i>Frontiers in Pharmacology</i> , 2020 , 11, 374	5.6	5
23	Isoform-Specific Compensation of Cyclooxygenase (Ptgs) Genes during Implantation and Late-Stage Pregnancy. <i>Scientific Reports</i> , 2018 , 8, 12097	4.9	5
22	Testing cardiovascular drug safety and efficacy in randomized trials. <i>Circulation Research</i> , 2014 , 114, 1156-61	15.7	5
21	Loss of circadian protection against influenza infection in adult mice exposed to hyperoxia as neonates. <i>ELife</i> , 2021 , 10,	8.9	5
20	Circadian Rhythms. Temporal targets of drug action. <i>Science</i> , 2014 , 346, 921-2	33.3	4
19	The promise and reality of therapeutic discovery from large cohorts. <i>Journal of Clinical Investigation</i> , 2020 , 130, 575-581	15.9	4
18	Steps Toward Minimal Reporting Standards for Lipidomics Mass Spectrometry in Biomedical Research Publications. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e003019	5.2	4
17	Research on COVID-19 through patient-reported data: a survey for observational studies in the COVID-19 pandemic. <i>Journal of Clinical and Translational Science</i> , 2021 , 5,	0.4	4
16	Aspirin in Hepatocellular Carcinoma. <i>Cancer Research</i> , 2021 , 81, 3751-3761	10.1	3
15	Nanotherapeutic-directed approaches to analgesia. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 527-550	3.2	3
14	Differential compensation of two cyclooxygenases in renal homeostasis is independent of prostaglandin-synthetic capacity under basal conditions. <i>FASEB Journal</i> , 2018 , 32, 5326-5337	0.9	3
13	Nonsteroidal anti-inflammatory drugs and glucocorticoids in COVID-19. <i>Advances in Biological Regulation</i> , 2021 , 81, 100818	6.2	3

12	The roles of lipids in SARS-CoV-2 viral replication and the host immune response. <i>Journal of Lipid Research</i> , 2021 , 100129	6.3	3
11	Aspirin in the Prevention of Cardiovascular Disease and Cancer. <i>Annual Review of Medicine</i> , 2021 , 72, 473-495	17.4	3
10	Selective COX-2 inhibitors suppress prostacyclin. <i>Clinical Therapeutics</i> , 2014 , 36, 2120-2121	3.5	1
9	Translational therapeutics at the platelet vascular interface. Summary. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, s51-2	9.4	1
8	Translational therapeutics at the platelet vascular interface. Introduction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, s3-4	9.4	1
7	Nitecap: An Exploratory Circadian Analysis Web Application. <i>Journal of Biological Rhythms</i> , 2021 , 7487304211054408	3.2	1
6	Impact of Time-Restricted Feeding to Late Night on Adaptation to a 6 h Phase Advance of the Light-Dark Cycle in Mice. <i>Frontiers in Physiology</i> , 2021 , 12, 634187	4.6	1
5	Considerations for the Safe Operation of Schools During the Coronavirus Pandemic.. <i>Frontiers in Public Health</i> , 2021 , 9, 751451	6	1
4	Formation, Signaling and Occurrence of Specialized Pro-Resolving Lipid Mediators-What is the Evidence so far?. <i>Frontiers in Pharmacology</i> , 2022 , 13, 838782	5.6	0
3	Conflict or Confluence of Interest?--Reply. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1793-4	27.4	
2	Targeted delivery of mPGES-1 inhibitors to macrophages via the folate receptor-1 for inflammatory pain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 50, 128313	2.9	
1	Endothelial Tenascin-X Is Going With the Flow. <i>Circulation Research</i> , 2022 , 130, 1660-1661	15.7	