Garret A Fitzgerald

List of Publications by Year
in descending order

108 papers	8,145 citations	87843 38 h-index	53190 85 g-index
112 all docs	112 docs citations	112 times ranked	13802 citing authors

#	Article	IF	Citations
1	Coxibs and Cardiovascular Disease. New England Journal of Medicine, 2004, 351, 1709-1711.	13.9	824
2	Understanding multicellular function and disease with human tissue-specific networks. Nature Genetics, 2015, 47, 569-576.	9.4	738
3	Vitamin E suppresses isoprostane generation in vivo and reduces atherosclerosis in ApoE-deficient mice. Nature Medicine, 1998, 4, 1189-1192.	15.2	496
4	Rhythmicity of the intestinal microbiota is regulated by gender and the host circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10479-10484.	3.3	410
5	Increased F₂â€isoprostanes in Alzheimer's disease: evidence for enhanced lipid peroxidationin vivo. FASEB Journal, 1998, 12, 1777-1783.	0.2	396
6	Circadian clock proteins regulate neuronal redox homeostasis and neurodegeneration. Journal of Clinical Investigation, 2013, 123, 5389-5400.	3.9	393
7	Increased Formation of Distinct F ₂ Isoprostanes in Hypercholesterolemia. Circulation, 1998, 98, 2822-2828.	1.6	266
8	Timing of expression of the core clock gene Bmal1 influences its effects on aging and survival. Science Translational Medicine, 2016, 8, 324ra16.	5.8	249
9	Circadian control of innate immunity in macrophages by miR-155 targeting Bmal1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7231-7236.	3.3	244
10	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	1.4	237
11	Simulation-based comprehensive benchmarking of RNA-seq aligners. Nature Methods, 2017, 14, 135-139.	9.0	229
12	Causal Effects of Body Mass Index on Cardiometabolic Traits and Events: A Mendelian Randomization Analysis. American Journal of Human Genetics, 2014, 94, 198-208.	2.6	199
13	Microbes vs. chemistry in the origin of the anaerobic gut lumen. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4170-4175.	3.3	176
14	Dosing time matters. Science, 2019, 365, 547-549.	6.0	161
15	Gene-centric Meta-analysis in 87,736 Individuals of European Ancestry Identifies Multiple Blood-Pressure-Related Loci. American Journal of Human Genetics, 2014, 94, 349-360.	2.6	158
16	Misguided drug advice for COVID-19. Science, 2020, 367, 1434-1434.	6.0	139
17	Aspirin prevents colorectal cancer metastasis in mice by splitting the crosstalk between platelets and tumor cells. Oncotarget, 2016, 7, 32462-32477.	0.8	130
18	The Cardiovascular Pharmacology of Nonsteroidal Anti-Inflammatory Drugs. Trends in Pharmacological Sciences, 2017, 38, 733-748.	4.0	125

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19	Regulation of amyloid-Î² dynamics and pathology by the circadian clock. Journal of Experimental Medicine, 2018, 215, 1059-1068.	4.2	123
20	Enhanced Lipid Peroxidation in Patients Positive for Antiphospholipid Antibodies. Blood, 1997, 90, 3931-3935.	0.6	107
21	Circadian control of lung inflammation in influenza infection. Nature Communications, 2019, 10, 4107.	5.8	106
22	Fibroblast growth factor 21 (FGF21) is robustly induced by ethanol and has a protective role in ethanol associated liver injury. Molecular Metabolism, 2017, 6, 1395-1406.	3.0	103
23	Timing the Microbes: The Circadian Rhythm of the Gut Microbiome. Journal of Biological Rhythms, 2017, 32, 505-515.	1.4	95
24	Bioactive products formed in humans from fish oils. Journal of Lipid Research, 2015, 56, 1808-1820.	2.0	83
25	Bidirectional interactions between indomethacin and the murine intestinal microbiota. ELife, 2015, 4, e08973.	2.8	80
26	Anticipating change in drug development: the emerging era of translational medicine and therapeutics. Nature Reviews Drug Discovery, 2005, 4, 815-818.	21.5	74
27	Neurofurans, Novel Indices of Oxidant Stress Derived from Docosahexaenoic Acid. Journal of Biological Chemistry, 2008, 283, 6-16.	1.6	73
28	Genetic Models Reveal cis and trans Immune-Regulatory Activities for lincRNA-Cox2. Cell Reports, 2018, 25, 1511-1524.e6.	2.9	73
29	Formation, Signaling and Occurrence of Specialized Pro-Resolving Lipid Mediatorsâ€"What is the Evidence so far?. Frontiers in Pharmacology, 2022, 13, 838782.	1.6	70
30	Circadian Clocks and Metabolism: Implications for Microbiome and Aging. Trends in Genetics, 2017, 33, 760-769.	2.9	67
31	Sexual dimorphism in body clocks. Science, 2020, 369, 1164-1165.	6.0	57
32	Time for nonaddictive relief of pain. Science, 2017, 355, 1026-1027.	6.0	56
33	Cyclooxygenase Inhibition: Pain, Inflammation, and the Cardiovascular System. Clinical Pharmacology and Therapeutics, 2017, 102, 611-622.	2.3	56
34	The cyclooxygenase-1/mPGES-1/endothelial prostaglandin EP4 receptor pathway constrains myocardial ischemia-reperfusion injury. Nature Communications, 2019, 10, 1888.	5.8	51
35	Academia Europaea Position Paper on Translational Medicine: The Cycle Model for Translating Scientific Results into Community Benefits. Journal of Clinical Medicine, 2020, 9, 1532.	1.0	50
36	Vitamin E Reduces Monocyte Tissue Factor Expression in Cirrhotic Patients. Blood, 1999, 93, 2945-2950.	0.6	49

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37	The roles of lipids in SARS-CoV-2 viral replication and the host immune response. Journal of Lipid Research, 2021, 62, 100129.	2.0	47
38	Confluence, Not Conflict of Interest. JAMA - Journal of the American Medical Association, 2015, 314, 1791.	3.8	46
39	Reopening schools during COVID-19. Science, 2020, 369, 1146-1146.	6.0	44
40	COX-2 in play at the AHA and the FDA. Trends in Pharmacological Sciences, 2007, 28, 303-307.	4.0	41
41	Myeloid Cell COX-2 deletion reduces mammary tumor growth through enhanced cytotoxic T-lymphocyte function. Carcinogenesis, 2014, 35, 1788-1797.	1.3	41
42	Thymic stromal lymphopoietin induces adipose loss through sebum hypersecretion. Science, 2021, 373, .	6.0	36
43	CMPF, a Metabolite Formed Upon Prescription Omega-3-Acid Ethyl Ester Supplementation, Prevents and Reverses Steatosis. EBioMedicine, 2018, 27, 200-213.	2.7	35
44	Bmal1 Deletion in Myeloid Cells Attenuates Atherosclerotic Lesion Development and Restrains Abdominal Aortic Aneurysm Formation in Hyperlipidemic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1523-1532.	1.1	35
45	A broad-spectrum lipidomics screen of antiinflammatory drug combinations in human blood. JCI Insight, 2016, 1, .	2.3	33
46	The Pioglitazone Trek via Human PPAR Gamma: From Discovery to a Medicine at the FDA and Beyond. Frontiers in Pharmacology, 2018, 9, 1093.	1.6	31
47	The future of humans as model organisms. Science, 2018, 361, 552-553.	6.0	31
48	Cold-Induced Browning of Inguinal White Adipose Tissue Is Independent of Adipose Tissue Cyclooxygenase-2. Cell Reports, 2018, 24, 809-814.	2.9	28
49	Lipocalin-Like Prostaglandin D Synthase but Not Hemopoietic Prostaglandin D Synthase Deletion Causes Hypertension and Accelerates Thrombogenesis in Mice. Journal of Pharmacology and Experimental Therapeutics, 2018, 367, 425-432.	1.3	26
50	Bioactive lipids in antiviral immunity. Science, 2021, 371, 237-238.	6.0	25
51	Time in Motion: The Molecular Clock Meets the Microbiome. Cell, 2014, 159, 469-470.	13.5	24
52	Imprecision. Circulation, 2017, 135, 113-115.	1.6	24
53	Protective Role of mPGES-1 (Microsomal Prostaglandin E Synthase-1)â€“Derived PGE ₂ (Prostaglandin E ₂) and the Endothelial EP4 (Prostaglandin E Receptor) in Vascular Responses to Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1115-1124.	1.1	24
54	Myeloid Cell Hypoxia-Inducible Factors Promote Resolution of Inflammation in Experimental Colitis. Frontiers in Immunology, 2018, 9, 2565.	2.2	24

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55	Aspirin in Hepatocellular Carcinoma. Cancer Research, 2021, 81, 3751-3761.	0.4	24
56	I Prostanoid Receptorâ€“Mediated Inflammatory Pathway Promotes Hepatic Gluconeogenesis Through Activation of PKA and Inhibition of AKT. Diabetes, 2014, 63, 2911-2923.	0.3	23
57	Comparative evaluation of RNA-Seq library preparation methods for strand-specificity and low input. Scientific Reports, 2019, 9, 13477.	1.6	22
58	Guidelines for the design and conduct of human clinical trials on ingestion-time differences â€“ chronopharmacology and chronotherapy â€“ of hypertension medications. Chronobiology International, 2021, 38, 1-26.	0.9	22
59	Measure for Measure: Biomarker standards and transparency. Science Translational Medicine, 2016, 8, 343fs10.	5.8	21
60	Variability in the Analgesic Response to Ibuprofen Is Associated With Cyclooxygenase Activation in Inflammatory Pain. Clinical Pharmacology and Therapeutics, 2019, 106, 632-641.	2.3	21
61	Personalization in practice. Science, 2015, 350, 282-283.	6.0	20
62	Cyclooxygenase inhibition abrogates aeroallergen-induced immune tolerance by suppressing prostaglandin I2 receptor signaling. Journal of Allergy and Clinical Immunology, 2014, 134, 698-705.e5.	1.5	19
63	Cardiovascular Consequences of Prostanoid I Receptor Deletion in Microsomal Prostaglandin E Synthase-1â€“Deficient Hyperlipidemic Mice. Circulation, 2016, 134, 328-338.	1.6	19
64	Genomic and lipidomic analyses differentiate the compensatory roles of two COX isoforms during systemic inflammation in mice ,. Journal of Lipid Research, 2018, 59, 102-112.	2.0	19
65	Prostaglandins. Journal of Clinical Rheumatology, 2004, 10, S12-S17.	0.5	18
66	Platelet-Specific Deletion of Cyclooxygenase-1 Ameliorates Dextran Sulfate Sodiumâ€“Induced Colitis in Mice. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 416-426.	1.3	18
67	Nitecap: An Exploratory Circadian Analysis Web Application. Journal of Biological Rhythms, 2022, 37, 43-52.	1.4	18
68	Bringing PGE ₂ in from the cold. Science, 2015, 348, 1208-1209.	6.0	17
69	Platelet-Activating Factorâ€“Induced Reduction in Contact Hypersensitivity Responses Is Mediated by Mast Cells via Cyclooxygenase-2â€“Dependent Mechanisms. Journal of Immunology, 2018, 200, 4004-4011.	0.4	17
70	Aspirin in the Prevention of Cardiovascular Disease and Cancer. Annual Review of Medicine, 2021, 72, 473-495.	5.0	17
71	Bmal1 deletion in mice facilitates adaptation to disrupted light/dark conditions. JCI Insight, 2019, 4, .	2.3	17
72	Induction of prostacyclin receptor expression in human erythroleukemia cells. FEBS Letters, 1989, 255, 172-174.	1.3	16

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73	Urinary Prostaglandin Metabolites. Circulation Research, 2018, 122, 537-539.	2.0	16
74	Accounting for Time: Circadian Rhythms in the Time of COVID-19. Journal of Biological Rhythms, 2021, 36, 4-8.	1.4	16
75	Loss of circadian protection against influenza infection in adult mice exposed to hyperoxia as neonates. ELife, 2021, 10, .	2.8	15
76	Vitamin E Reduces Monocyte Tissue Factor Expression in Cirrhotic Patients. Blood, 1999, 93, 2945-2950.	0.6	14
77	Clocks and Cardiovascular Function. Methods in Enzymology, 2015, 552, 211-228.	0.4	13
78	Cyclooxygenase-2, Asymmetric Dimethylarginine, and the Cardiovascular Hazard From Nonsteroidal Anti-Inflammatory Drugs. Circulation, 2018, 138, 2367-2378.	1.6	13
79	Flipping the cyclooxygenase (Ptgs) genes reveals isoform-specific compensatory functions ,. Journal of Lipid Research, 2018, 59, 89-101.	2.0	12
80	Steps Toward Minimal Reporting Standards for Lipidomics Mass Spectrometry in Biomedical Research Publications. Circulation Genomic and Precision Medicine, 2020, 13, e003019.	1.6	11
81	GCG100649, A Novel Cyclooxygenaseâ€2 Inhibitor, Exhibits a Drug Disposition Profile in Healthy Volunteers Compatible With High Affinity to Carbonic Anhydraseâ€I/II: Preliminary Doseâ€“Exposure Relationships to Define Clinical Development Strategies. Clinical Pharmacology in Drug Development, 2013, 2, 379-386.	0.8	10
82	Myeloid Cell mPges-1 Deletion Attenuates Mortality Without Affecting Remodeling After Acute Myocardial Infarction in Mice. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 18-24.	1.3	10
83	Nonsteroidal anti-inflammatory drugs and glucocorticoids in COVID-19. Advances in Biological Regulation, 2021, 81, 100818.	1.4	10
84	Perestroika in Pharma: Evolution or Revolution in Drug Development?. Mount Sinai Journal of Medicine, 2010, 77, 327-332.	1.9	9
85	Research on COVID-19 through patient-reported data: a survey for observational studies in the COVID-19 pandemic. Journal of Clinical and Translational Science, 2021, 5, .	0.3	9
86	The promise and reality of therapeutic discovery from large cohorts. Journal of Clinical Investigation, 2020, 130, 575-581.	3.9	9
87	Considerations for the Safe Operation of Schools During the Coronavirus Pandemic. Frontiers in Public Health, 2021, 9, 751451.	1.3	9
88	Time-Dependent Hypotensive Effect of Aspirin in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2819-2826.	1.1	8
89	Isoform-Specific Compensation of Cyclooxygenase (Ptgs) Genes during Implantation and Late-Stage Pregnancy. Scientific Reports, 2018, 8, 12097.	1.6	8
90	Analysis of isoprostanes. European Journal of Lipid Science and Technology, 2002, 104, 429-435.	1.0	7

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91	Impact of Time-Restricted Feeding to Late Night on Adaptation to a 6 h Phase Advance of the Light-Dark Cycle in Mice. Frontiers in Physiology, 2021, 12, 634187.	1.3	7
92	Nanotherapeutic-directed approaches to analgesia. Trends in Pharmacological Sciences, 2021, 42, 527-550.	4.0	7
93	Temporal targets of drug action. Science, 2014, 346, 921-922.	6.0	6
94	Evolution in translational science: Whither the CTSAs?. Science Translational Medicine, 2015, 7, 284fs15.	5.8	6
95	Pharmacological Characterization of the Microsomal Prostaglandin E2 Synthase-1 Inhibitor AF3485 In Vitro and In Vivo. Frontiers in Pharmacology, 2020, 11, 374.	1.6	6
96	Testing Cardiovascular Drug Safety and Efficacy in Randomized Trials. Circulation Research, 2014, 114, 1156-1161.	2.0	5
97	Differential compensation of two cyclooxygenases in renal homeostasis is independent of prostaglandinâ€synthetic capacity under basal conditions. FASEB Journal, 2018, 32, 5326-5337.	0.2	4
98	A decade of Science Translational Medicine. Science Translational Medicine, 2019, 11, .	5.8	4
99	Introduction. American Journal of Cardiology, 2002, 89, 1-2.	0.7	3
100	Summary. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, s51-2.	1.1	1
101	Introduction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, s3-4.	1.1	1
102	Selective COX-2 Inhibitors Suppress Prostacyclin. Clinical Therapeutics, 2014, 36, 2120-2121.	1.1	1
103	Sex-dependent compensatory mechanisms preserve blood pressure homeostasis in prostacyclin receptorâ€“deficient mice. Journal of Clinical Investigation, 2021, 131, .	3.9	1
104	Conflict or Confluence of Interest?â€”Reply. JAMA - Journal of the American Medical Association, 2016, 315, 1793.	3.8	0
105	Targeted delivery of mPGES-1 inhibitors to macrophages via the folate receptor-Î² for inflammatory pain. Bioorganic and Medicinal Chemistry Letters, 2021, 50, 128313.	1.0	0
106	Translational medicine, pharmacology and drug discovery. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OS-2.	0.0	0
107	Systems Pharmacology and Translational Therapeutics. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, CL-8.	0.0	0
108	Endothelial Tenascin-X Is Going With the Flow. Circulation Research, 2022, 130, 1660-1661.	2.0	0