

John W Scott

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

6,124
citations

101543

36
h-index

71685

76
g-index

90
all docs

90
docs citations

90
times ranked

7672
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropeptide Y1 receptor antagonism protects β -cells and improves glycemic control in type 2 diabetes. <i>Molecular Metabolism</i> , 2022, 55, 101413.	6.5	10
2	An AMPK β 2-specific phospho-switch controls lysosomal targeting for activation. <i>Cell Reports</i> , 2022, 38, 110365.	6.4	8
3	Calcium/calmodulin-dependent protein kinase kinase 2 regulates hepatic fuel metabolism. <i>Molecular Metabolism</i> , 2022, 62, 101513.	6.5	8
4	Structure-function analysis of the AMPK activator SC4 and identification of a potent pan AMPK activator. <i>Biochemical Journal</i> , 2022, 479, 1181-1204.	3.7	6
5	Systemic Ablation of Camk2 Impairs Metastatic Colonization and Improves Insulin Sensitivity in TRAMP Mice: Evidence for Cancer Cell-Extrinsic CAMKK2 Functions in Prostate Cancer. <i>Cells</i> , 2022, 11, 1890.	4.1	6
6	Inhibition of ATP-citrate lyase improves NASH, liver fibrosis, and dyslipidemia. <i>Cell Metabolism</i> , 2022, 34, 919-936.e8.	16.2	55
7	Post-Translational Modifications of the Energy Guardian AMP-Activated Protein Kinase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1229.	4.1	18
8	Molecular Mechanisms Underlying the Beneficial Effects of Exercise on Brain Function and Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4052.	4.1	35
9	Regulation of Pancreatic β -Cell Function by the NPY System. <i>Endocrinology</i> , 2021, 162, .	2.8	10
10	The Affordable Care Act at 10 Years: Evaluating the Evidence and Navigating an Uncertain Future. <i>Journal of Surgical Research</i> , 2021, 263, 102-109.	1.6	11
11	Hinge Binder Scaffold Hopping Identifies Potent Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CAMKK2) Inhibitor Chemotypes. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10849-10877.	6.4	22
12	Investigation of the specificity and mechanism of action of the ULK1/AMPK inhibitor SBI-0206965. <i>Biochemical Journal</i> , 2021, 478, 2977-2997.	3.7	26
13	Compound- and fiber type-selective requirement of AMPK β 3 for insulin-independent glucose uptake in skeletal muscle. <i>Molecular Metabolism</i> , 2021, 51, 101228.	6.5	14
14	Decreasing time to antibiotic administration in open fractures of the femur and tibia through performance improvement in a statewide trauma: Collaborative quality initiative. <i>Surgery</i> , 2021, , .	1.9	2
15	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK β 1 isoforms. <i>Nature Metabolism</i> , 2020, 2, 873-881.	11.9	76
16	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 16239-16250.	3.4	24
17	Designing and implementing a practical prehospital emergency trauma care curriculum for lay first responders in Guatemala. <i>Trauma Surgery and Acute Care Open</i> , 2020, 5, e000409.	1.6	10
18	Functional analysis of an R311C variant of Calcium-calmodulin-dependent protein kinase kinase-2 (CaMKK2) found as a de novo mutation in a patient with bipolar disorder. <i>Bipolar Disorders</i> , 2020, 22, 841-848.	1.9	9

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19	New perspectives on the role of Drp1 isoforms in regulating mitochondrial pathophysiology. , 2020, 213, 107594.		41
20	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. Molecular Metabolism, 2020, 41, 101048.	6.5	22
21	mTORC1 directly inhibits AMPK to promote cell proliferation under nutrient stress. Nature Metabolism, 2020, 2, 41-49.	11.9	97
22	Protein kinase A negatively regulates VEGF-induced AMPK activation by phosphorylating CaMKK2 at serine 495. Biochemical Journal, 2020, 477, 3453-3469.	3.7	10
23	In Depth Analysis of Kinase Cross Screening Data to Identify CAMKK2 Inhibitory Scaffolds. Molecules, 2020, 25, 325.	3.8	22
24	Factors associated with optimal patient outcomes after operative repair of isolated hip fractures in the elderly. Trauma Surgery and Acute Care Open, 2020, 5, e000630.	1.6	5
25	AMP-activated protein kinase complexes containing the $\beta 2$ regulatory subunit are up-regulated during and contribute to adipogenesis. Biochemical Journal, 2019, 476, 1725-1740.	3.7	20
26	Allosteric regulation of AMP-activated protein kinase by adenylate nucleotides and small-molecule drugs. Biochemical Society Transactions, 2019, 47, 733-741.	3.4	19
27	Inhibition of Adenosine Monophosphate-Activated Protein Kinase-3-Hydroxy- β -Methylglutaryl Coenzyme A Reductase Signaling Leads to Hypercholesterolemia and Promotes Hepatic Steatosis and Insulin Resistance. Hepatology Communications, 2019, 3, 84-98.	4.3	56
28	Transient Expression of AMPK Heterotrimer Complexes in Mammalian Cells. Methods in Molecular Biology, 2018, 1732, 159-169.	0.9	4
29	Structural Determinants for Small-Molecule Activation of Skeletal Muscle AMPK $\beta 2 \beta 3$ by the Glucose Importag SC4. Cell Chemical Biology, 2018, 25, 728-737.e9.	5.2	40
30	AMP-activated protein kinase selectively inhibited by the type II inhibitor SBI-0206965. Journal of Biological Chemistry, 2018, 293, 8874-8885.	3.4	98
31	The independent effect of emergency general surgery on outcomes varies depending on case type: A NSQIP outcomes study. American Journal of Surgery, 2018, 216, 856-862.	1.8	27
32	Mitochondrial fission protein Drp1 inhibition promotes cardiac mesodermal differentiation of human pluripotent stem cells. Cell Death Discovery, 2018, 4, 39.	4.7	61
33	Surgeon-driven variability in emergency general surgery outcomes: Does it matter who is on call?. Surgery, 2018, 164, 1109-1116.	1.9	16
34	Global surgical, obstetric, and anesthetic task shifting: A systematic literature review. Surgery, 2018, 164, 553-558.	1.9	37
35	1,2,6-Thiadiazinones as Novel Narrow Spectrum Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CaMKK2) Inhibitors. Molecules, 2018, 23, 1221.	3.8	23
36	Impact of Genetic Variation on Human CaMKK2 Regulation by Ca ²⁺ -Calmodulin and Multisite Phosphorylation. Scientific Reports, 2017, 7, 43264.	3.3	15

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37	The sweet side of AMPK signaling: regulation of GFAT1. <i>Biochemical Journal</i> , 2017, 474, 1289-1292.	3.7	15
38	The autophagy initiator ULK1 sensitizes AMPK to allosteric drugs. <i>Nature Communications</i> , 2017, 8, 571.	12.8	65
39	Fake Inhibitors: AMPK Activation Trumps Inhibition. <i>Cell Chemical Biology</i> , 2017, 24, 775-777.	5.2	3
40	Rethinking Priorities. <i>Annals of Surgery</i> , 2016, 264, 312-322.	4.2	54
41	Rwanda's Model Prehospital Emergency Care Service: A Two-year Review of Patient Demographics and Injury Patterns in Kigali. <i>Prehospital and Disaster Medicine</i> , 2016, 31, 614-620.	1.3	24
42	β -subunit myristoylation functions as an energy sensor by modulating the dynamics of AMP-activated Protein Kinase. <i>Scientific Reports</i> , 2016, 6, 39417.	3.3	13
43	Structural basis of allosteric and synergistic activation of AMPK by furan-2-phosphonic derivative C2 binding. <i>Nature Communications</i> , 2016, 7, 10912.	12.8	69
44	Autophosphorylation of CaMKK2 generates autonomous activity that is disrupted by a T85S mutation linked to anxiety and bipolar disorder. <i>Scientific Reports</i> , 2015, 5, 14436.	3.3	28
45	Emergency Major Abdominal Surgical Procedures in Older Adults: A Systematic Review of Mortality and Functional Outcomes. <i>Journal of the American Geriatrics Society</i> , 2015, 63, 2563-2571.	2.6	41
46	SnRK1 from <i>Arabidopsis thaliana</i> is an atypical AMPK. <i>Plant Journal</i> , 2015, 82, 183-192.	5.7	115
47	Dependent Coverage Provision Led To Uneven Insurance Gains And Unchanged Mortality Rates In Young Adult Trauma Patients. <i>Health Affairs</i> , 2015, 34, 125-133.	5.2	36
48	Laparoscopic to Open Emergent Cholecystectomy: The Cost of Conversion. <i>Journal of the American College of Surgeons</i> , 2015, 221, S42-S43.	0.5	0
49	Inhibition of AMP-Activated Protein Kinase at the Allosteric Drug-Binding Site Promotes Islet Insulin Release. <i>Chemistry and Biology</i> , 2015, 22, 705-711.	6.0	50
50	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. <i>Biochemical Journal</i> , 2015, 468, 125-132.	3.7	132
51	Training Surgical Residents for a Career in Academic Global Surgery: A Novel Training Model. <i>Journal of Surgical Education</i> , 2015, 72, e104-e110.	2.5	26
52	Racial and Regional Disparities in the Effect of the Affordable Care Act's Dependent Coverage Provision on Young Adult Trauma Patients. <i>Journal of the American College of Surgeons</i> , 2015, 221, 495-501e1.	0.5	34
53	Partitioning length of stay to understand readmission risk: survival analysis in the American College of Surgeons (ACS) NSQIP database. <i>Journal of the American College of Surgeons</i> , 2015, 221, e16.	0.5	0
54	Gains in access to rehabilitation at age 65 years: a regression discontinuity analysis of the National Trauma Data Bank. <i>Journal of the American College of Surgeons</i> , 2015, 221, e37.	0.5	0

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55	Choosing Wisely for Syncope: Low-Value Carotid Ultrasound Use. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	17
56	Small Molecule Drug A-769662 and AMP Synergistically Activate Naive AMPK Independent of Upstream Kinase Signaling. <i>Chemistry and Biology</i> , 2014, 21, 619-627.	6.0	137
57	ATP sensitive bi-quinoline activator of the AMP-activated protein kinase. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 435-440.	2.1	5
58	Mutant TDP-43 Deregulates AMPK Activation by PP2A in ALS Models. <i>PLoS ONE</i> , 2014, 9, e90449.	2.5	46
59	AMPK functions as an adenylate charge-regulated protein kinase. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 125-132.	7.1	167
60	Three-Region Perfusion Strategy for Aortic Arch Reconstruction in the Norwood. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1138-1140.	1.3	25
61	Ca ²⁺ /Calmodulin-dependent Protein Kinase Kinase $\hat{1}^2$ Is Regulated by Multisite Phosphorylation. <i>Journal of Biological Chemistry</i> , 2011, 286, 28066-28079.	3.4	62
62	AMPK Is a Direct Adenylate Charge-Regulated Protein Kinase. <i>Science</i> , 2011, 332, 1433-1435.	12.6	499
63	Maintaining Energy Balance in Health and Disease: Role of the AMP-Activated Protein Kinase. , 2011, , 199-232.		0
64	Germline deletion of AMP-activated protein kinase $\hat{1}^2$ subunits reduces bone mass without altering osteoclast differentiation or function. <i>FASEB Journal</i> , 2010, 24, 275-285.	0.5	52
65	$\hat{1}^2$ -Subunit myristoylation is the gatekeeper for initiating metabolic stress sensing by AMP-activated protein kinase (AMPK). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19237-19241.	7.1	267
66	Whole Body Deletion of AMP-activated Protein Kinase $\hat{1}^2$ Reduces Muscle AMPK Activity and Exercise Capacity. <i>Journal of Biological Chemistry</i> , 2010, 285, 37198-37209.	3.4	145
67	AMPK/SNF1 structure: a menage a trois of energy-sensing. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 596.	3.0	18
68	Structure and function of AMP-activated protein kinase. <i>Acta Physiologica</i> , 2009, 196, 3-14.	3.8	70
69	Thienopyridone Drugs Are Selective Activators of AMP-Activated Protein Kinase $\hat{1}^2$ -Containing Complexes. <i>Chemistry and Biology</i> , 2008, 15, 1220-1230.	6.0	221
70	Fatal Infantile Cardiac Glycogenosis with Phosphorylase Kinase Deficiency and a Mutation in the $\hat{1}^2$ -Subunit of AMP-Activated Protein Kinase. <i>Pediatric Research</i> , 2007, 62, 499-504.	2.3	57
71	Staged Hybrid Left Pulmonary Artery Rehabilitation in Post-Fontan Left Pulmonary Artery Hypoplasia. <i>Annals of Thoracic Surgery</i> , 2007, 84, 2112-2114.	1.3	2
72	Regulation of AMP-activated protein kinase by a pseudosubstrate sequence on the $\hat{1}^3$ subunit. <i>EMBO Journal</i> , 2007, 26, 806-815.	7.8	43

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73	Pharmacological activators of AMP-activated protein kinase have different effects on Na ⁺ transport processes across human lung epithelial cells. <i>British Journal of Pharmacology</i> , 2007, 151, 1204-1215.	5.4	42
74	AMPK Structure and Regulation from Three Angles. <i>Structure</i> , 2007, 15, 1161-1163.	3.3	59
75	Phenformin and AICAR decrease transepithelial Na ⁺ transport across human H441 lung epithelial cells by different mechanisms. <i>FASEB Journal</i> , 2007, 21, A954.	0.5	0
76	AMP-activated protein kinase – development of the energy sensor concept. <i>Journal of Physiology</i> , 2006, 574, 7-15.	2.9	681
77	Phenformin and 5-aminoimidazole-4-carboxamide-1- β -D-ribofuranoside (AICAR) activation of AMP-activated protein kinase inhibits transepithelial Na ⁺ transport across H441 lung cells. <i>Journal of Physiology</i> , 2005, 566, 781-792.	2.9	60
78	Fatal Congenital Heart Glycogenosis Caused by a Recurrent Activating R531Q Mutation in the β -Subunit of AMP-Activated Protein Kinase (PRKAG2), Not by Phosphorylase Kinase Deficiency. <i>American Journal of Human Genetics</i> , 2005, 76, 1034-1049.	6.2	137
79	Analysis of the LKB1-STRAD-MO25 complex. <i>Journal of Cell Science</i> , 2004, 117, 6365-6375.	2.0	130
80	CBS domains form energy-sensing modules whose binding of adenosine ligands is disrupted by disease mutations. <i>Journal of Clinical Investigation</i> , 2004, 113, 274-284.	8.2	622
81	Management of cellular energy by the AMP-activated protein kinase system. <i>FEBS Letters</i> , 2003, 546, 113-120.	2.8	721
82	Protein kinase substrate recognition studied using the recombinant catalytic domain of AMP-activated protein kinase and a model substrate. <i>Journal of Molecular Biology</i> , 2002, 317, 309-323.	4.2	156