

George R Dubyak

List of Publications by Year in Descending Order

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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.

146
papers

10,302
citations

57
h-index

99
g-index

155
ext. papers

11,416
ext. citations

5.7
avg, IF

6.21
L-index

#	Paper	IF	Citations
146	TH17 cells promote CNS inflammation by sensing danger signals via Mincle.. <i>Nature Communications</i> , 2022 , 13, 2406	17.4	1
145	Lysosomal disruption by orthopedic wear particles induces activation of the NLRP3 inflammasome and macrophage cell death by distinct mechanisms. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 493-505	3.8	1
144	Receptors P2Y Receptors 2021 , 217-220		
143	N-GSDMD trafficking to neutrophil organelles facilitates IL-1 β release independently of plasma membrane pores and pyroptosis. <i>Nature Communications</i> , 2020 , 11, 2212	17.4	100
142	CD8 CD73 T cells in the tumor microenvironment of head and neck cancer patients are linked to diminished T cell infiltration and activation in tumor tissue. <i>European Journal of Immunology</i> , 2020 , 50, 2055-2066	6.1	1
141	Epithelial-derived gasdermin D mediates nonlytic IL-1 β release during experimental colitis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4218-4234	15.9	29
140	GPCRs in innate and adaptive immune responses 2020 , 429-461		
139	CD40 in Endothelial Cells Restricts Neural Tissue Invasion by Toxoplasma gondii. <i>Infection and Immunity</i> , 2019 , 87,	3.7	6
138	Luciferase-assisted detection of extracellular ATP and ATP metabolites during immunogenic death of cancer cells. <i>Methods in Enzymology</i> , 2019 , 629, 81-102	1.7	5
137	Mechanism of gasdermin D recognition by inflammatory caspases and their inhibition by a gasdermin D-derived peptide inhibitor. <i>FASEB Journal</i> , 2019 , 33, 461.24	0.9	
136	Structures of the Gasdermin D C-Terminal Domains Reveal Mechanisms of Autoinhibition. <i>Structure</i> , 2018 , 26, 778-784.e3	5.2	43
135	Chemical disruption of the pyroptotic pore-forming protein gasdermin D inhibits inflammatory cell death and sepsis. <i>Science Immunology</i> , 2018 , 3,	28	184
134	Mechanism of gasdermin D recognition by inflammatory caspases and their inhibition by a gasdermin D-derived peptide inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6792-6797	11.5	73
133	TLR-stimulated IRAK1 activates caspase-8 inflammasome in microglia and promotes neuroinflammation. <i>Journal of Clinical Investigation</i> , 2018 , 128, 5399-5412	15.9	41
132	Factor XII and uPAR upregulate neutrophil functions to influence wound healing. <i>Journal of Clinical Investigation</i> , 2018 , 128, 944-959	15.9	71
131	Wear Particle-induced Priming of the NLRP3 Inflammasome Depends on Adherent Pathogen-associated Molecular Patterns and Their Cognate Toll-like Receptors: An In Vitro Study. <i>Clinical Orthopaedics and Related Research</i> , 2018 , 476, 2442-2453	2.2	8
130	Nucleotide-binding oligomerization domain (NOD) signaling defects and cell death susceptibility cannot be uncoupled in X-linked inhibitor of apoptosis (XIAP)-driven inflammatory disease. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9666-9679	5.4	20

129	Up-regulated Ectonucleotidases in Fas-Associated Death Domain Protein- and Receptor-Interacting Protein Kinase 1-Deficient Jurkat Leukemia Cells Counteract Extracellular ATP/AMP Accumulation via Pannexin-1 Channels during Chemotherapeutic Drug-Induced Apoptosis. <i>Molecular Pharmacology</i> , 2017 , 92, 30-47	4.3	7
128	Live-cell visualization of gasdermin D-driven pyroptotic cell death. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14649-14658	5.4	35
127	CD40 in Retinal Müller Cells Induces P2X7-Dependent Cytokine Expression in Macrophages/Microglia in Diabetic Mice and Development of Early Experimental Diabetic Retinopathy. <i>Diabetes</i> , 2017 , 66, 483-493	0.9	63
126	NLRP3 inflammasome signaling is activated by low-level lysosome disruption but inhibited by extensive lysosome disruption: roles for K ⁺ efflux and Ca ²⁺ influx. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C83-C100	5.4	67
125	Reciprocal Changes in Phosphoenolpyruvate Carboxykinase and Pyruvate Kinase with Age Are a Determinant of Aging in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 1307-19	5.4	17
124	T cell-intrinsic ASC critically promotes T(H)17-mediated experimental autoimmune encephalomyelitis. <i>Nature Immunology</i> , 2016 , 17, 583-92	19.1	98
123	Neutrophil P2X7 receptors mediate NLRP3 inflammasome-dependent IL-1 β secretion in response to ATP. <i>Nature Communications</i> , 2016 , 7, 10555	17.4	223
122	Ligation of CD40 in Human Müller Cells Induces P2X7 Receptor-Dependent Death of Retinal Endothelial Cells 2016 , 57, 6278-6286		13
121	Active Caspase-1 Induces Plasma Membrane Pores That Precede Pyroptotic Lysis and Are Blocked by Lanthanides. <i>Journal of Immunology</i> , 2016 , 197, 1353-67	5.3	106
120	K ⁺ efflux agonists induce NLRP3 inflammasome activation independently of Ca ²⁺ signaling. <i>Journal of Immunology</i> , 2015 , 194, 3937-52	5.3	157
119	Caspase-8 as an Effector and Regulator of NLRP3 Inflammasome Signaling. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20167-84	5.4	126
118	Stealth filaments: Polymer chain length and conformation affect the in vivo fate of PEGylated potato virus X. <i>Acta Biomaterialia</i> , 2015 , 19, 166-79	10.8	67
117	Human β -Defensin-3 Increases CD86 Expression on Monocytes by Activating the ATP-Gated Channel P2X7. <i>Journal of Immunology</i> , 2015 , 195, 4438-45	5.3	14
116	Purinergic Receptors: Key Mediators of HIV-1 Infection and Inflammation. <i>Frontiers in Immunology</i> , 2015 , 6, 585	8.4	18
115	Neutrophil IL-1 β processing induced by pneumolysin is mediated by the NLRP3/ASC inflammasome and caspase-1 activation and is dependent on K ⁺ efflux. <i>Journal of Immunology</i> , 2015 , 194, 1763-75	5.3	151
114	Modification of β -Defensin-2 by Dicarbonyls Methylglyoxal and Glyoxal Inhibits Antibacterial and Chemotactic Function In Vitro. <i>PLoS ONE</i> , 2015 , 10, e0130533	3.7	21
113	Chemotherapeutic drugs induce ATP release via caspase-gated pannexin-1 channels and a caspase/pannexin-1-independent mechanism. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27246-27263	5.4	58
112	IKK β negatively regulates ASC-dependent inflammasome activation. <i>Nature Communications</i> , 2014 , 5, 4977	17.4	70

111	Chemotherapy engages multiple pathways leading to IL-1 β production by myeloid leukocytes. <i>Onc Immunology</i> , 2014 , 3, e27499	7.2	10
110	Human β -defensin-3 structure motifs that are important in CXCR4 antagonism. <i>FEBS Journal</i> , 2013 , 280, 3365-75	5.7	15
109	Proapoptotic chemotherapeutic drugs induce noncanonical processing and release of IL-1 β via caspase-8 in dendritic cells. <i>Journal of Immunology</i> , 2013 , 191, 4789-803	5.3	91
108	The progressive ankylosis gene product ANK regulates extracellular ATP levels in primary articular chondrocytes. <i>Arthritis Research and Therapy</i> , 2013 , 15, R154	5.7	34
107	Cytosolic K ⁺ and extracellular Na ⁺ as regulators of NLRP3 inflammasome activation and the IL-1 β secretion response of macrophages to crystalline stimuli. <i>FASEB Journal</i> , 2013 , 27, 138.8	0.9	4
106	Pro-apoptotic agents induce ATP release from leukemia/lymphoma tumor cells via pannexin-1 dependent and pannexin-1-independent mechanism. <i>FASEB Journal</i> , 2013 , 27, 1105.24	0.9	
105	Prolonged NLRP3 inflammasome activation enhances the secretion of autophagy-derived vesicles containing LC3II in murine dendritic cells. <i>FASEB Journal</i> , 2013 , 27, 1086.7	0.9	
104	P2X7 receptor regulation of non-classical secretion from immune effector cells. <i>Cellular Microbiology</i> , 2012 , 14, 1697-706	3.9	130
103	Hyperammonemia-mediated autophagy in skeletal muscle contributes to sarcopenia of cirrhosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E983-93	6	121
102	Influence of Cellular Magnesium Concentration on Fibroblast Phenotype Differentiation. <i>FASEB Journal</i> , 2012 , 26, 866.1	0.9	
101	Purinergic regulation of high-glucose-induced caspase-1 activation in the rat retinal Müller cell line rMC-1. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C1213-23	5.4	30
100	Charge of the mito brigade. Focus on "Changes in mitochondrial surface charge mediate recruitment of signaling molecules during apoptosis". <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C11-3	5.4	4
99	Extracellular pyrophosphate metabolism and calcification in vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H61-8	5.2	99
98	Pannexin-1 is required for ATP release during apoptosis but not for inflammasome activation. <i>Journal of Immunology</i> , 2011 , 186, 6553-61	5.3	278
97	Gating of Pannexin-1 Channels by P2X7R-Induced Inflammation or Apoptosis in Macrophages. <i>FASEB Journal</i> , 2011 , 25, 945.1	0.9	
96	Gating of Pannexin 1-Mediated ATP Release Channels by Mechanical Stress Stimuli. <i>FASEB Journal</i> , 2011 , 25, 1007.3	0.9	1
95	Mycobacterium tuberculosis synergizes with ATP to induce release of microvesicles and exosomes containing major histocompatibility complex class II molecules capable of antigen presentation. <i>Infection and Immunity</i> , 2010 , 78, 5116-25	3.7	85
94	Regulation of vascular smooth muscle cell calcification by extracellular pyrophosphate homeostasis: synergistic modulation by cyclic AMP and hyperphosphatemia. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C702-13	5.4	55

93	Extracellular osmolarity modulates G protein-coupled receptor-dependent ATP release from 1321N1 astrocytoma cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C386-96	5.4	29
92	P2X7 receptor-stimulated secretion of MHC class II-containing exosomes requires the ASC/NLRP3 inflammasome but is independent of caspase-1. <i>Journal of Immunology</i> , 2009 , 182, 5052-62	5.3	113
91	Differential regulation of P2X7 receptor activation by extracellular nicotinamide adenine dinucleotide and ecto-ADP-ribosyltransferases in murine macrophages and T cells. <i>Journal of Immunology</i> , 2009 , 183, 578-92	5.3	45
90	Calcium-independent phospholipase A2 beta is dispensable in inflammasome activation and its inhibition by bromoenol lactone. <i>Journal of Innate Immunity</i> , 2009 , 1, 607-17	6.9	15
89	Both sides now: multiple interactions of ATP with pannexin-1 hemichannels. Focus on "A permeant regulating its permeation pore: inhibition of pannexin 1 channels by ATP". <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C235-41	5.4	52
88	Autocrine ATP release coupled to extracellular pyrophosphate accumulation in vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C828-39	5.4	46
87	P2X7 receptors regulate multiple types of membrane trafficking responses and non-classical secretion pathways. <i>Purinergic Signalling</i> , 2009 , 5, 163-73	3.8	83
86	Basal and inducible expression of the thiol-sensitive ART2.1 ecto-ADP-ribosyltransferase in myeloid and lymphoid leukocytes. <i>Purinergic Signalling</i> , 2009 , 5, 369-83	3.8	19
85	Mechanisms of ATP release from 1321N1 cells. <i>FASEB Journal</i> , 2009 , 23, 816.2	0.9	
84	differential regulation of P2X7R activation by extracellular NAD in murine macrophages and T cells. <i>FASEB Journal</i> , 2009 , 23, 580.7	0.9	
83	Locally produced complement fragments C5a and C3a provide both costimulatory and survival signals to naive CD4+ T cells. <i>Immunity</i> , 2008 , 28, 425-35	32.3	437
82	Rho-family GTPases modulate Ca(2+) -dependent ATP release from astrocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 295, C231-41	5.4	47
81	The inflammatory effects of UDP-glucose in N9 microglia are not mediated by P2Y14 receptor activation. <i>Purinergic Signalling</i> , 2008 , 4, 73-8	3.8	16
80	Lipopolysaccharide, IFN-gamma, and IFN-beta induce expression of the thiol-sensitive ART2.1 Ecto-ADP-ribosyltransferase in murine macrophages. <i>Journal of Immunology</i> , 2007 , 179, 6215-27	5.3	27
79	Nonclassical IL-1 beta secretion stimulated by P2X7 receptors is dependent on inflammasome activation and correlated with exosome release in murine macrophages. <i>Journal of Immunology</i> , 2007 , 179, 1913-25	5.3	433
78	Go it alone no more--P2X7 joins the society of heteromeric ATP-gated receptor channels. <i>Molecular Pharmacology</i> , 2007 , 72, 1402-5	4.3	70
77	Differential requirement of P2X7 receptor and intracellular K+ for caspase-1 activation induced by intracellular and extracellular bacteria. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18810-8	5.4	261
76	LPS-Induced Expression of the Thiol-Sensitive Ecto-ADP-ribosyltransferase 2.1 in Murine Macrophages. <i>FASEB Journal</i> , 2007 , 21, A1345	0.9	

75	Extracellular NAD Induced, P2x7 Pore Dependant ATP Release From Mouse Thymocytes. <i>FASEB Journal</i> , 2007 , 21, A487	0.9	
74	Cutting edge: human beta defensin 3--a novel antagonist of the HIV-1 coreceptor CXCR4. <i>Journal of Immunology</i> , 2006 , 177, 782-6	5.3	145
73	Sulfated signal from ASJ sensory neurons modulates stomatin-dependent coordination in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2006 , 281, 35989-96	5.4	19
72	Intracellular calcium changes trigger connexin 32 hemichannel opening. <i>EMBO Journal</i> , 2006 , 25, 34-44	13	213
71	ATP Release Mechanisms 2006 , 99-158		2
70	ATP Release Mechanisms 2006 , 99-158		2
69	Enhanced activation of Akt and extracellular-regulated kinase pathways by simultaneous occupancy of Gq-coupled 5-HT _{2A} receptors and Gs-coupled 5-HT _{7A} receptors in PC12 cells. <i>Journal of Neurochemistry</i> , 2005 , 92, 72-82	6	46
68	Potential of caspase-1 activation by the P2X7 receptor is dependent on TLR signals and requires NF-kappaB-driven protein synthesis. <i>Journal of Immunology</i> , 2005 , 175, 7611-22	5.3	167
67	Inhibitory effects of chloride on the activation of caspase-1, IL-1beta secretion, and cytolysis by the P2X7 receptor. <i>Journal of Immunology</i> , 2005 , 175, 7623-34	5.3	82
66	Human epidermal keratinocytes undergo (-)-epigallocatechin-3-gallate-dependent differentiation but not apoptosis. <i>Carcinogenesis</i> , 2005 , 26, 1100-8	4.6	43
65	Differing caspase-1 activation states in monocyte versus macrophage models of IL-1beta processing and release. <i>Journal of Leukocyte Biology</i> , 2004 , 76, 676-84	6.5	45
64	Ion homeostasis, channels, and transporters: an update on cellular mechanisms. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2004 , 28, 143-54	1.9	75
63	Mechanisms of caspase-1 activation by P2X7 receptor-mediated K ⁺ release. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 286, C1100-8	5.4	267
62	Methylene ATP analogs as modulators of extracellular ATP metabolism and accumulation. <i>British Journal of Pharmacology</i> , 2004 , 142, 1002-14	8.6	56
61	Maitotoxin Induces Biphasic Interleukin-1 β Secretion and Membrane Blebbing in Murine Macrophages. <i>Molecular Pharmacology</i> , 2004 , 66, 909-920	4.3	40
60	P2Y Purinergic Receptors 2004 , 188-191		
59	Mutation of a dibasic amino acid motif within the C terminus of the P2X7 nucleotide receptor results in trafficking defects and impaired function. <i>Journal of Immunology</i> , 2003 , 171, 1304-11	5.3	67
58	P2X7 receptor-dependent blebbing and the activation of Rho-effector kinases, caspases, and IL-1 beta release. <i>Journal of Immunology</i> , 2003 , 170, 5728-38	5.3	144

57	Essential role for Ca ²⁺ in regulation of IL-1 β secretion by P2X ₇ nucleotide receptor in monocytes, macrophages, and HEK-293 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C286-99	5.4	106
56	Oxidized ATP (oATP) attenuates proinflammatory signaling via P ₂ receptor-independent mechanisms. <i>British Journal of Pharmacology</i> , 2003 , 140, 507-19	8.6	97
55	Knock-out mice reveal tissue-specific roles of P ₂ Y receptor subtypes in different epithelia. <i>Molecular Pharmacology</i> , 2003 , 63, 773-6	4.3	55
54	Colocalization of ATP release sites and ecto-ATPase activity at the extracellular surface of human astrocytes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23331-42	5.4	169
53	ATP and control of intracellular growth of mycobacteria by T cells. <i>Infection and Immunity</i> , 2002 , 70, 6456-9	26	
52	Functionalized congeners of tyrosine-based P ₂ X ₇ receptor antagonists: probing multiple sites for linking and dimerization. <i>Bioconjugate Chemistry</i> , 2002 , 13, 1100-11	6.3	13
51	Potent P ₂ X Receptor Antagonists: Tyrosyl Derivatives Synthesized Using a Sequential Parallel Synthetic Approach. <i>Drug Development Research</i> , 2001 , 54, 75-87	5.1	22
50	Cutting edge: the nucleotide receptor P ₂ X ₇ contains multiple protein- and lipid-interaction motifs including a potential binding site for bacterial lipopolysaccharide. <i>Journal of Immunology</i> , 2001 , 167, 1871-6	5.3	153
49	Calcium is a key signaling molecule in beta-lapachone-mediated cell death. <i>Journal of Biological Chemistry</i> , 2001 , 276, 19150-9	5.4	123
48	Marek's disease virus (MDV) encodes an interleukin-8 homolog (vIL-8): characterization of the vIL-8 protein and a vIL-8 deletion mutant MDV. <i>Journal of Virology</i> , 2001 , 75, 5159-73	6.6	139
47	Structure-activity relationships of pyridoxal phosphate derivatives as potent and selective antagonists of P ₂ X ₁ receptors. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 340-9	8.3	77
46	Regulation of P ₂ X ₇ nucleotide receptor function in human monocytes by extracellular ions and receptor density. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 280, C943-53	5.4	98
45	Thapsigargin suppresses phorbol ester-dependent human involucrin promoter activity by suppressing CCAAT-enhancer-binding protein [C/EBP] β DNA binding. <i>Biochemical Journal</i> , 2000 , 350, 791	3.8	4
44	Endotoxin activation of macrophages does not induce ATP release and autocrine stimulation of P ₂ nucleotide receptors. <i>Journal of Immunology</i> , 2000 , 165, 7189-98	5.3	45
43	Purinergic signaling at immunological synapses. <i>Journal of the Autonomic Nervous System</i> , 2000 , 81, 64-8	38	
42	Stress-activated Protein Kinase/JNK Activation and Apoptotic Induction by the Macrophage P ₂ X ₇ Nucleotide Receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 26792-26798	5.4	142
41	Detection of local ATP release from activated platelets using cell surface-attached firefly luciferase. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 276, C267-78	5.4	253
40	Maitotoxin and P ₂ Z/P ₂ X ₇ purinergic receptor stimulation activate a common cytolytic pore. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 277, C766-76	5.4	122

39	Tumor cell resistance to topoisomerase II poisons: role for intracellular free calcium in the sensitization by inhibitors or calcium-calmodulin-dependent enzymes. <i>Biochemical Pharmacology</i> , 1998 , 56, 345-9	6	11
38	Modulation of P2X7 nucleotide receptor expression by pro- and anti-inflammatory stimuli in THP-1 monocytes. <i>Journal of Leukocyte Biology</i> , 1998 , 64, 265-73	6.5	119
37	Attenuation of drug-stimulated topoisomerase II-DNA cleavable complex formation in wild-type HL-60 cells treated with an intracellular calcium buffer is correlated with decreased cytotoxicity and site-specific hypophosphorylation of topoisomerase IIalpha. <i>Biochemical Journal</i> , 1998 , 336 (Pt 3), 727-33	3.8	13
36	Role of Calcium in Glucocorticosteroid-Induced Apoptosis of Thymocytes and Lymphoma Cells: Resurrection of Old Theories by New Findings. <i>Blood</i> , 1998 , 91, 731-734	2.2	63
35	Isoquinolines as antagonists of the P2X7 nucleotide receptor: high selectivity for the human versus rat receptor homologues. <i>Molecular Pharmacology</i> , 1998 , 54, 22-32	4.3	186
34	Down-regulation of P2U-purinergic nucleotide receptor messenger RNA expression during in vitro differentiation of human myeloid leukocytes by phorbol esters or inflammatory activators. <i>Molecular Pharmacology</i> , 1997 , 51, 97-108	4.3	55
33	Inhibition of GTP gamma S-dependent phospholipase D and Rho membrane association by calphostin is independent of protein kinase C catalytic activity. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 341, 129-39	4.1	14
32	Towards a revised nomenclature for P1 and P2 receptors. <i>Trends in Pharmacological Sciences</i> , 1997 , 18, 79-82	13.2	265
31	Expression of multiple ATP receptor subtypes during the differentiation and inflammatory activation of myeloid leukocytes. <i>Drug Development Research</i> , 1996 , 39, 269-278	5.1	20
30	Glucocorticoid uncoupling of antiangiotensin II-dependent phospholipase C activation in rat vascular smooth muscle cells. <i>Kidney International</i> , 1994 , 46, 675-82	9.9	14
29	Evidence that BCL-2 represses apoptosis by regulating endoplasmic reticulum-associated Ca ²⁺ fluxes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 6569-73	11.5	540
28	Functional expression of the parathyroid cell calcium receptor in <i>Xenopus</i> oocytes. <i>FEBS Letters</i> , 1993 , 333, 132-6	3.8	28
27	Chronic treatment with P2-purinergic receptor agonists induces phenotypic modulation of the HL-60 and U937 human myelogenous leukemia cell lines. <i>Journal of Leukocyte Biology</i> , 1991 , 50, 109-22	6.5	45
26	Signal transduction by P2-purinergic receptors for extracellular ATP. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1991 , 4, 295-300	5.7	169
25	Decreased protein kinase C activity during cerebral ischemia and after reperfusion in the adult rat. <i>Journal of Neurochemistry</i> , 1990 , 55, 2001-7	6	52
24	Calcium currents in the A7r5 smooth muscle-derived cell line. <i>Pflugers Archiv European Journal of Physiology</i> , 1990 , 417, 433-9	4.6	46
23	Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. <i>Annals of the New York Academy of Sciences</i> , 1990 , 603, 227-44; discussion 244-5	6.5	20
22	P2-purinergic receptors activate a guanine nucleotide-dependent phospholipase C in membranes from HL-60 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990 , 1053, 195-203	4.9	39

21	Adenosine triphosphate activates the phospholipase-C cascade system in human amnion cells without increasing prostaglandin production. <i>Endocrinology</i> , 1989 , 124, 2005-12	4.8	20
20	Activation of the inositol phospholipid signaling system by receptors for extracellular ATP in human neutrophils, monocytes, and neutrophil/monocyte progenitor cells. <i>Annals of the New York Academy of Sciences</i> , 1988 , 551, 218-37; discussion 237-8	6.5	17
19	Flow cytometric measurements of cytosolic [Ca ²⁺] in normal and leukemic progenitor cells. <i>Annals of the New York Academy of Sciences</i> , 1988 , 551, 273-6	6.5	1
18	Oxytocin activates the inositol-phospholipid-protein kinase-C system and stimulates prostaglandin production in human amnion cells. <i>Endocrinology</i> , 1988 , 123, 1771-7	4.8	68
17	Effect of atrial natriuretic factor on cytosolic free calcium in rat glomerular mesangial cells. <i>FEBS Letters</i> , 1987 , 224, 396-400	3.8	22
16	Stimulation of cytosolic free calcium and inositol phosphates by prostaglandins in cultured rat mesangial cells. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 142, 579-86	3.4	42
15	Elevation of cytosolic free calcium by platelet-activating factor in cultured rat mesangial cells. <i>FASEB Journal</i> , 1987 , 1, 215-9	0.9	30
14	Agonist-induced calcium transients in cultured smooth muscle cells: measurements with fura-2 loaded monolayers. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 136, 927-34	3.4	48
13	Extracellular ATP activates polyphosphoinositide breakdown and Ca ²⁺ mobilization in Ehrlich ascites tumor cells. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 245, 84-95	4.1	118
12	Rapid effects of phorbol ester on platelet shape change, cytoskeleton and calcium transient. <i>FEBS Letters</i> , 1986 , 206, 273-8	3.8	17
11	Inhibition of tension development and actomyosin ATPase activity in barnacle muscle by the Ca ²⁺ -indicator dye antipyrilazo III. <i>Journal of Muscle Research and Cell Motility</i> , 1985 , 6, 275-92	3.5	8
10	Interactions between IFs, microtubules, and myofibrils in fibrogenic and myogenic cells. <i>Annals of the New York Academy of Sciences</i> , 1985 , 455, 106-25	6.5	32
9	Activation of calcium mobilization and calcium influx by alpha 1-adrenergic receptors in a smooth muscle cell line. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 130, 627-32	3.4	34
8	Phosphorus-31 nuclear magnetic resonance studies of single muscle cells isolated from barnacle depressor muscle. <i>Biochemistry</i> , 1983 , 22, 3531-6	3.2	33
7	Effects of 12-O-tetradecanoyl-phorbol-13-acetate on Myofibril integrity and Ca ²⁺ content in developing myotubes. <i>Developmental Biology</i> , 1982 , 89, 460-74	3.1	48
6	Sarcoplasmic Ca ²⁺ transients during the contractile cycle of single barnacle muscle fibres: measurements with arsenazo III-injected fibres. <i>Journal of Muscle Research and Cell Motility</i> , 1982 , 3, 87-112	3.5	25
5	Measurements of intracellular free Ca ⁺⁺ . <i>Advances in Experimental Medicine and Biology</i> , 1982 , 151, 443-50	3.0	2
4	Antipyrilazo III, a "middle range" Ca ²⁺ metallochromic indicator. <i>Biochemistry</i> , 1978 , 17, 1378-86	3.2	153

3	METALLOCHROMIC INDICATORS OF IONIZED CALCIUM. <i>Annals of the New York Academy of Sciences</i> , 1978 , 307, 86-112	6.5	138
2	Renal sugar transport in the winter flounder. IV. Effect of Ca ²⁺ on sugar transport in teased renal tubules. <i>Journal of Cellular Physiology</i> , 1977 , 93, 11-6	7	3
1	The phlorizin effect on the transport of sugars at the antiluminal face of teased flounder tubules. <i>The Journal of Experimental Zoology</i> , 1977 , 199, 391-4		1