John G Koland

List of Publications by Citations

36 papers	1,694 citations	22 h-index	36 g-index
36 ext. papers	1,788 ext. citations	4.6 avg, IF	3.98 L-index

#	Paper	IF	Citations
36	Molecular cloning of the gene for the human placental GTP-binding protein Gp (G25K): identification of this GTP-binding protein as the human homolog of the yeast cell-division-cycle protein CDC42. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 9853-7	11.5	193
35	Biochemical characterization of the protein tyrosine kinase homology domain of the ErbB3 (HER3) receptor protein. *Biochemical Journal*, **1997**, 322 (Pt 3), 757-63	3.8	138
34	Heregulin-dependent activation of phosphoinositide 3-kinase and Akt via the ErbB2/ErbB3 co-receptor. *Journal of Biological Chemistry*, **2001**, 276, 42153-61	5.4	120
33	ErbB3 (HER3) interaction with the p85 regulatory subunit of phosphoinositide 3-kinase. *Biochemical Journal*, **1998**, 333 (Pt 3), 757-63	3.8	109
32	Coulometric and spectroscopic analysis of the purified cytochrome d complex of Escherichia coli: evidence for the identification of "cytochrome a1" as cytochrome b595. *Biochemistry*, **1986**, 25, 2314-21	3.2	108
31	Reconstitution of the membrane-bound, ubiquinone-dependent pyruvate oxidase respiratory chain of Escherichia coli with the cytochrome d terminal oxidase. *Biochemistry*, **1984**, 23, 445-53	3.2	104
30	Signal transduction by epidermal growth factor and heregulin via the kinase-deficient ErbB3 protein. *Biochemical Journal*, **1998**, 334 (Pt 1), 189-95	3.8	91
29	Reciprocal signaling between spiral ganglion neurons and Schwann cells involves neuregulin and neurotrophins. *Hearing Research*, **2001**, 161, 87-98	3.9	88
28	HER3 is required for HER2-induced preneoplastic changes to the breast epithelium and tumor formation. *Cancer Research*, **2012**, 72, 2672-82	10.1	86
27	Activation of the epidermal growth factor receptor by respiratory syncytial virus results in increased inflammation and delayed apoptosis. *Journal of Biological Chemistry*, **2005**, 280, 2147-58	5.4	70
26	Potentiometric analysis of the purified cytochrome d terminal oxidase complex from Escherichia coli.. *Biochemistry*, **1984**, 23, 1051-1056	3.2	62
25	Roles of mitogen-activated protein kinase and phosphoinositide 3bkinase in ErbB2/ErbB3 coreceptor-mediated heregulin signaling. *Experimental Cell Research*, **2003**, 284, 291-302	4.2	43
24	Heregulin-stimulated signaling in rat pheochromocytoma cells. Evidence for ErbB3 interactions with Neu/ErbB2 and p85. *Journal of Biological Chemistry*, **1995**, 270, 19022-7	5.4	43
23	Rhodopsin-stimulated activation-deactivation cycle of transducin: kinetics of the intrinsic fluorescence response of the alpha subunit. *Biochemistry*, **1990**, 29, 6954-64	3.2	40
22	Mutation of a Shc binding site tyrosine residue in ErbB3/HER3 blocks heregulin-dependent activation of mitogen-activated protein kinase. *Journal of Biological Chemistry*, **1998**, 273, 20996-1002	5.4	35
21	Expression of epidermal growth factor receptor sequences as E. coli fusion proteins: applications in the study of tyrosine kinase function. *Biochemical and Biophysical Research Communications*, **1990**, 166, 90-100	3.4	34
20	Cloning of the rat ErbB3 cDNA and characterization of the recombinant protein. *Gene*, **1995**, 165, 279-84	3.8	31

19	Cbl controls EGFR fate by regulating early endosome fusion. *Science Signaling*, **2009**, 2, ra86	8.8	29
18	Activation of the EGF receptor tyrosine kinase by divalent metal ions: comparison of holoreceptor and isolated kinase domain properties. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1990** , 1052, 489-98	4.9	28
17	Nucleotide binding by the epidermal growth factor receptor protein-tyrosine kinase. Trinitrophenyl-ATP as a spectroscopic probe. *Journal of Biological Chemistry*, **1996**, 271, 311-8	5.4	27
16	Structure and dynamics of the epidermal growth factor receptor C-terminal phosphorylation domain. *Protein Science*, **2006**, 15, 1142-52	6.3	25
15	Conformational changes accompany phosphorylation of the epidermal growth factor receptor C-terminal domain. *Protein Science*, **2005**, 14, 2793-803	6.3	24
14	Tyrosine phosphorylation of maspin in normal mammary epithelia and breast cancer cells. *Biochemical and Biophysical Research Communications*, **2002**, 295, 800-5	3.4	22
13	Structural basis of interactions between epidermal growth factor receptor and SH2 domain proteins. *Biochemical and Biophysical Research Communications*, **1993**, 191, 45-54	3.4	22
12	Location of the epidermal growth factor binding site on the EGF receptor. A resonance energy transfer study. *Biochemistry*, **1990**, 29, 8741-7	3.2	21
11	Heparin stimulates epidermal growth factor receptor-mediated phosphorylation of tyrosine and threonine residues. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 5954-8	11.5	19
10	SH2 domain proteins as high-affinity receptor tyrosine kinase substrates. *Biochemistry*, **1993**, 32, 10102-8	3.2	15
9	Coarse-grained molecular simulation of epidermal growth factor receptor protein tyrosine kinase multi-site self-phosphorylation. *PLoS Computational Biology*, **2014**, 10, e1003435	5	14
8	A novel biotinylated lipid raft reporter for electron microscopic imaging of plasma membrane microdomains. *Journal of Lipid Research*, **2012**, 53, 2214-2225	6.3	12
7	Identification of an oligodeoxynucleotide sequence motif that specifically inhibits phosphorylation by protein tyrosine kinases. *Oligonucleotides*, **1997**, 7, 115-23		12
6	Escherichia coli pyruvate oxidase: interaction of a peripheral membrane protein with lipids. *Biophysical Journal*, **1982**, 37, 87-8	2.9	11
5	Role of arginine in the binding of thiamin pyrophosphate to Escherichia coli pyruvate oxidase. *Biochemistry*, **1982**, 21, 2656-600	3.2	9
4	Expression of inducible nitric oxide synthase in the lower esophageal sphincter of the endotoxemic opossum. *Journal of Gastroenterology*, **2002**, 37, 1000-4	6.9	4
3	Proximity of reactive cysteine residue and flavin in Escherichia coli pyruvate oxidase as estimated by fluorescence energy transfer. *Biochemistry*, **1982**, 21, 4438-42	3.2	4
2	Fluorescence Recovery After Photobleaching Analysis of the Diffusional Mobility of Plasma Membrane Proteins: HER3 Mobility in Breast Cancer Cell Membranes. *Methods in Molecular Biology*, **2016**, 1376, 97-105	1.4	1

1 Metabolically Biotinylated Reporters for Electron Microscopic Imaging of Cytoplasmic Membrane Microdomains. *Methods in Molecular Biology*, **2016**, 1376, 87-96 1.4