John G Koland

List of Publications by Year
in descending order

36 papers	1,903 citations	279778 23 h-index	361001 35 g-index
36 all docs	36 docs citations	36 times ranked	1922 citing authors

#	Article	IF	Citations
1	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, 9853-9857.	7.1	209
2	Biochemical characterization of the protein tyrosine kinase homology domain of the ErbB3 (HER3) receptor protein. Biochemical Journal, 1997, 322, 757-763.	3.7	149
3	Heregulin-dependent Activation of Phosphoinositide 3-Kinase and Akt via the ErbB2/ErbB3 Co-receptor. Journal of Biological Chemistry, 2001, 276, 42153-42161.	3.4	135
4	ErbB3 (HER3) interaction with the p85 regulatory subunit of phosphoinositide 3-kinase. Biochemical Journal, 1998, 333, 757-763.	3.7	121
5	Reconstitution of the membrane-bound, ubiquinone-dependent pyruvate oxidase respiratory chain of Escherichia coli with the cytochrome d terminal oxidase. Biochemistry, 1984, 23, 445-453.	2.5	117
6	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, 2314-2321.	2.5	110
7	HER3 Is Required for HER2-Induced Preneoplastic Changes to the Breast Epithelium and Tumor Formation. Cancer Research, 2012, 72, 2672-2682.	0.9	106
8	Reciprocal signaling between spiral ganglion neurons and Schwann cells involves neuregulin and neurotrophins. Hearing Research, 2001, 161, 87-98.	2.0	104
9	Signal transduction by epidermal growth factor and heregulin via the kinase-deficient ErbB3 protein. Biochemical Journal, 1998, 334, 189-195.	3.7	99
10	Activation of the Epidermal Growth Factor Receptor by Respiratory Syncytial Virus Results in Increased Inflammation and Delayed Apoptosis. Journal of Biological Chemistry, 2005, 280, 2147-2158.	3.4	86
11	Potentiometric analysis of the purified cytochrome d terminal oxidase complex from Escherichia coli.. Biochemistry, 1984, 23, 1051-1056.	2.5	64
12	Heregulin-stimulated Signaling in Rat Pheochromocytoma Cells. Journal of Biological Chemistry, 1995, 270, 19022-19027.	3.4	49
13	Roles of mitogen-activated protein kinase and phosphoinositide 3â€²-kinase in ErbB2/ErbB3 coreceptor-mediated heregulin signalingâ˜†. Experimental Cell Research, 2003, 284, 289-300.	2.6	47
14	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, 20996-21002.	3.4	44
15	Rhodopsin-stimulated activation-deactivation cycle of transducin: kinetics of the intrinsic fluorescence response of the .alpha.-subunit. Biochemistry, 1990, 29, 6954-6964.	2.5	41
16	Structure and dynamics of the epidermal growth factor receptor C-terminal phosphorylation domain. Protein Science, 2006, 15, 1142-1152.	7.6	38
17	Cbl Controls EGFR Fate by Regulating Early Endosome Fusion. Science Signaling, 2009, 2, ra86.	3.6	38
18	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.	2.1	35

#	Article	IF	Citations
19	Cloning of the rat ErbB3 cDNA and characterization of the recombinant protein. Gene, 1995, 165, 279-284.	2.2	35
20	Nucleotide Binding by the Epidermal Growth Factor Receptor Protein-tyrosine Kinase. Journal of Biological Chemistry, 1996, 271, 311-318.	3.4	32
21	Conformational changes accompany phosphorylation of the epidermal growth factor receptor C-terminal domain. Protein Science, 2005, 14, 2793-2803.	7.6	32
22	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, 489-498.	4.1	30
23	Structural Basis of Interactions Between Epidermal Growth Factor Receptor and SH2 Domain Proteins. Biochemical and Biophysical Research Communications, 1993, 191, 45-54.	2.1	24
24	Location of the epidermal growth factor binding site on the EGF receptor. A resonance energy transfer study. Biochemistry, 1990, 29, 8741-8747.	2.5	22
25	Tyrosine phosphorylation of maspin in normal mammary epithelia and breast cancer cells. Biochemical and Biophysical Research Communications, 2002, 295, 800-805.	2.1	22
26	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, 5954-5958.	7.1	20
27	SH2 domain proteins as high-affinity receptor tyrosine kinase substrates. Biochemistry, 1993, 32, 10102-10108.	2.5	15
28	Coarse-Grained Molecular Simulation of Epidermal Growth Factor Receptor Protein Tyrosine Kinase Multi-Site Self-Phosphorylation. PLoS Computational Biology, 2014, 10, e1003435.	3.2	15
29	A novel biotinylated lipid raft reporter for electron microscopic imaging of plasma membrane microdomains. Journal of Lipid Research, 2012, 53, 2214-2225.	4.2	14
30	Escherichia Coli Pyruvate Oxidase. Biophysical Journal, 1982, 37, 87-88.	0.5	13
31	Identification of an Oligodeoxynucleotide Sequence Motif That Specifically Inhibits Phosphorylation by Protein Tyrosine Kinases. Oligonucleotides, 1997, 7, 115-123.	4.3	13
32	Role of arginine in the binding of thiamin pyrophosphate to Escherichia coli pyruvate oxidase. Biochemistry, 1982, 21, 2656-2660.	2.5	9
33	Expression of inducible nitric oxide synthase in the lower esophageal sphincter of the endotoxemic opossum. Journal of Gastroenterology, 2002, 37, 1000-1004.	5.1	8
34	Proximity of reactive cysteine residue and flavin in Escherichia coli pyruvate oxidase as estimated by fluorescence energy transfer. Biochemistry, 1982, 21, 4438-4442.	2.5	6
35	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.	0.9	1
36	Metabolically Biotinylated Reporters for Electron Microscopic Imaging of Cytoplasmic Membrane Microdomains. Methods in Molecular Biology, 2016, 1376, 87-96.	0.9	0