

# John G Koland

## 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.

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	Metabolically Biotinylated Reporters for Electron Microscopic Imaging of Cytoplasmic Membrane Microdomains. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1376, 87-96	1.4	
35	Fluorescence Recovery After Photobleaching Analysis of the Diffusional Mobility of Plasma Membrane Proteins: HER3 Mobility in Breast Cancer Cell Membranes. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1376, 97-105	1.4	1
34	Coarse-grained molecular simulation of epidermal growth factor receptor protein tyrosine kinase multi-site self-phosphorylation. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003435	5	14
33	HER3 is required for HER2-induced preneoplastic changes to the breast epithelium and tumor formation. <i>Cancer Research</i> , <b>2012</b> , 72, 2672-82	10.1	86
32	A novel biotinylated lipid raft reporter for electron microscopic imaging of plasma membrane microdomains. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 2214-2225	6.3	12
31	Cbl controls EGFR fate by regulating early endosome fusion. <i>Science Signaling</i> , <b>2009</b> , 2, ra86	8.8	29
30	Structure and dynamics of the epidermal growth factor receptor C-terminal phosphorylation domain. <i>Protein Science</i> , <b>2006</b> , 15, 1142-52	6.3	25
29	Conformational changes accompany phosphorylation of the epidermal growth factor receptor C-terminal domain. <i>Protein Science</i> , <b>2005</b> , 14, 2793-803	6.3	24
28	Activation of the epidermal growth factor receptor by respiratory syncytial virus results in increased inflammation and delayed apoptosis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 2147-58	5.4	70
27	Roles of mitogen-activated protein kinase and phosphoinositide 3bkinase in ErbB2/ErbB3 coreceptor-mediated heregulin signaling. <i>Experimental Cell Research</i> , <b>2003</b> , 284, 291-302	4.2	43
26	Expression of inducible nitric oxide synthase in the lower esophageal sphincter of the endotoxemic opossum. <i>Journal of Gastroenterology</i> , <b>2002</b> , 37, 1000-4	6.9	4
25	Tyrosine phosphorylation of maspin in normal mammary epithelia and breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 295, 800-5	3.4	22
24	Heregulin-dependent activation of phosphoinositide 3-kinase and Akt via the ErbB2/ErbB3 co-receptor. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 42153-61	5.4	120
23	Reciprocal signaling between spiral ganglion neurons and Schwann cells involves neuregulin and neurotrophins. <i>Hearing Research</i> , <b>2001</b> , 161, 87-98	3.9	88
22	Mutation of a Shc binding site tyrosine residue in ErbB3/HER3 blocks heregulin-dependent activation of mitogen-activated protein kinase. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 20996-1002	5.4	35
21	ErbB3 (HER3) interaction with the p85 regulatory subunit of phosphoinositide 3-kinase. <i>Biochemical Journal</i> , <b>1998</b> , 333 ( Pt 3), 757-63	3.8	109
20	Signal transduction by epidermal growth factor and heregulin via the kinase-deficient ErbB3 protein. <i>Biochemical Journal</i> , <b>1998</b> , 334 ( Pt 1), 189-95	3.8	91

19	Identification of an oligodeoxynucleotide sequence motif that specifically inhibits phosphorylation by protein tyrosine kinases. <i>Oligonucleotides</i> , <b>1997</b> , 7, 115-23		12
18	Biochemical characterization of the protein tyrosine kinase homology domain of the ErbB3 (HER3) receptor protein. <i>Biochemical Journal</i> , <b>1997</b> , 322 ( Pt 3), 757-63	3.8	138
17	Nucleotide binding by the epidermal growth factor receptor protein-tyrosine kinase. Trinitrophenyl-ATP as a spectroscopic probe. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 311-8	5.4	27
16	Heregulin-stimulated signaling in rat pheochromocytoma cells. Evidence for ErbB3 interactions with Neu/ErbB2 and p85. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 19022-7	5.4	43
15	Cloning of the rat ErbB3 cDNA and characterization of the recombinant protein. <i>Gene</i> , <b>1995</b> , 165, 279-84	3.8	31
14	Structural basis of interactions between epidermal growth factor receptor and SH2 domain proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>1993</b> , 191, 45-54	3.4	22
13	SH2 domain proteins as high-affinity receptor tyrosine kinase substrates. <i>Biochemistry</i> , <b>1993</b> , 32, 10102-8	3.2	15
12	Heparin stimulates epidermal growth factor receptor-mediated phosphorylation of tyrosine and threonine residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 5954-8	11.5	19
11	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1990</b> , 87, 9853-7	11.5	193
10	Rhodopsin-stimulated activation-deactivation cycle of transducin: kinetics of the intrinsic fluorescence response of the alpha subunit. <i>Biochemistry</i> , <b>1990</b> , 29, 6954-64	3.2	40
9	Activation of the EGF receptor tyrosine kinase by divalent metal ions: comparison of holoreceptor and isolated kinase domain properties. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1990</b> , 1052, 489-98	4.9	28
8	Location of the epidermal growth factor binding site on the EGF receptor. A resonance energy transfer study. <i>Biochemistry</i> , <b>1990</b> , 29, 8741-7	3.2	21
7	Expression of epidermal growth factor receptor sequences as E. coli fusion proteins: applications in the study of tyrosine kinase function. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 166, 90-100	3.4	34
6	Coulometric and spectroscopic analysis of the purified cytochrome d complex of Escherichia coli: evidence for the identification of "cytochrome a1" as cytochrome b595. <i>Biochemistry</i> , <b>1986</b> , 25, 2314-21	3.2	108
5	Potentiometric analysis of the purified cytochrome d terminal oxidase complex from Escherichia coli. <i>Biochemistry</i> , <b>1984</b> , 23, 1051-1056	3.2	62
4	Reconstitution of the membrane-bound, ubiquinone-dependent pyruvate oxidase respiratory chain of Escherichia coli with the cytochrome d terminal oxidase. <i>Biochemistry</i> , <b>1984</b> , 23, 445-53	3.2	104
3	Role of arginine in the binding of thiamin pyrophosphate to Escherichia coli pyruvate oxidase. <i>Biochemistry</i> , <b>1982</b> , 21, 2656-600	3.2	9
2	Escherichia coli pyruvate oxidase: interaction of a peripheral membrane protein with lipids. <i>Biophysical Journal</i> , <b>1982</b> , 37, 87-8	2.9	11

- 1 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