

# James V Staros

## List of Publications by Year in descending order

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38  
papers

2,800  
citations

279798

23  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the evolution of the ErbB receptor family and their ligands from sequence analysis. BMC Evolutionary Biology, 2006, 6, 79.	3.2	50
2	Functional Effects of Glycosylation at Asn-579 of the Epidermal Growth Factor Receptor. Biochemistry, 2005, 44, 14920-14931.	2.5	62
3	Preparation and characterization of Alexa Fluor 594-labeled epidermal growth factor for fluorescence resonance energy transfer studies: application to the epidermal growth factor receptor. Analytical Biochemistry, 2004, 324, 227-236.	2.4	32
4	Ligand- and kinase activity-independent cell survival mediated by the epidermal growth factor receptor expressed in 32D cells. Experimental Cell Research, 2003, 282, 121-131.	2.6	40
5	Rotational Dynamics of the Epidermal Growth Factor Receptor. Biochemistry, 2002, 41, 1957-1964.	2.5	22
6	A STOPPED-FLOW FLUORESCENCE ANISOTROPY METHOD FOR MEASURING HORMONE BINDING AND DISSOCIATION KINETICS WITH CELL-SURFACE RECEPTORS IN LIVING CELLS. Journal of Receptor and Signal Transduction Research, 2002, 22, 357-371.	2.5	9
7	Real-Time Kinetics of Ligand/Cell Surface Receptor Interactions in Living Cells: Binding of Epidermal Growth Factor to the Epidermal Growth Factor Receptor. Biochemistry, 2001, 40, 10230-10242.	2.5	25
8	Stimulation of Mitogenic Pathways through Kinase-Impaired Mutants of the Epidermal Growth Factor Receptor. Experimental Cell Research, 2001, 268, 262-273.	2.6	16
9	An Analytical Approach to the Measurement of Equilibrium Binding Constants: Application to EGF Binding to EGF Receptors in Intact Cells Measured by Flow Cytometry. Biochemistry, 2001, 40, 6142-6154.	2.5	34
10	Evolutionary Analysis of the ErbB Receptor and Ligand Families. Journal of Molecular Evolution, 2000, 50, 397-412.	1.8	78
11	Effects of Sulfhydryl Modification Reagents on the Kinase Activity of the Epidermal Growth Factor Receptor. Biochemistry, 1997, 36, 9911-9916.	2.5	24
12	5-(p-Fluorosulfonylbenzoyl)-2-(or 3)-(methylanthraniloyl)adenosine, Fluorescent Affinity Labels for Adenine Nucleotide Binding Sites: Interaction with the Kinase Active Site of the Receptor for Epidermal Growth Factor. Biochemistry, 1996, 35, 9197-9203.	2.5	10
13	Thermal Inactivation of the Protein Tyrosine Kinase of the Epidermal Growth Factor Receptor. Biochemistry, 1996, 35, 2878-2884.	2.5	14
14	Identification of Residues of the Epidermal Growth Factor Receptor Proximal to Residue 45 of Bound Epidermal Growth Factor. Journal of Biological Chemistry, 1996, 271, 19656-19659.	3.4	39
15	Steric constraints in the recognition of peptide substrates for the epidermal growth factor receptor kinase. International Journal of Peptide and Protein Research, 1996, 47, 219-226.	0.1	0
16	The interaction of epidermal growth factor with its receptor in A431 cell membranes: a stopped-flow fluorescence anisotropy study. Biochemistry, 1995, 34, 14508-14518.	2.5	24
17	Preparation and characterization of a bifunctionally spin-labeled mutant of murine epidermal growth factor for saturation-transfer electron paramagnetic resonance studies of the growth factor/receptor complex. Biochemistry, 1993, 32, 7893-7903.	2.5	14
18	Membrane-impermeant cross-linking reagents for structural and functional analyses of platelet membrane glycoproteins. Methods in Enzymology, 1992, 215, 403-412.	1.0	3

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19	High-yield covalent attachment of epidermal growth factor to its receptor by kinetically controlled, stepwise affinity cross-linking. <i>Biochemistry</i> , 1992, 31, 7341-7346.	2.5	7
20	Preparation and characterization of spin-labeled derivatives of epidermal growth factor (EGF) for investigations of the interactions of EGF with its receptor by electron paramagnetic resonance spectroscopy. <i>Biochemistry</i> , 1991, 30, 8976-8985.	2.5	6
21	High-yield trapping of EGF-induced receptor dimers by chemical cross-linking 1. <i>FASEB Journal</i> , 1989, 3, 71-75.	0.5	57
22	Bis(sulfo-N-succinimidyl) doxyl-2-spiro-5'-azelate: synthesis, characterization, and reaction with the anion-exchange channel in intact human erythrocytes. <i>Biochemistry</i> , 1989, 28, 6583-6590.	2.5	9
23	[35] Electrophoretic transfer of high-molecular-weight proteins for immunostaining. <i>Methods in Enzymology</i> , 1989, 172, 687-696.	1.0	31
24	[33] Membrane-impermeant cross-linking reagents. <i>Methods in Enzymology</i> , 1989, 172, 609-628.	1.0	23
25	Membrane-impermeant crosslinking reagents: probes of the structure and dynamics of membrane proteins. <i>Accounts of Chemical Research</i> , 1988, 21, 435-441.	15.6	52
26	Membrane-impermeant cross-linking reagents: Application to the study of the cell surface receptor for IgE. <i>Methods in Enzymology</i> , 1987, 150, 503-512.	1.0	16
27	Reactions of N-hydroxysulfosuccinimide active esters*. <i>International Journal of Peptide and Protein Research</i> , 1987, 30, 117-124.	0.1	106
28	Dynamics and interactions of the anion channel in intact human erythrocytes: an electron paramagnetic resonance spectroscopic study employing a new membrane-impermeant bifunctional spin-label. <i>Biochemistry</i> , 1986, 25, 3824-3832.	2.5	47
29	Enhancement by N-hydroxysulfosuccinimide of water-soluble carbodiimide-mediated coupling reactions. <i>Analytical Biochemistry</i> , 1986, 156, 220-222.	2.4	846
30	Functional properties of covalent .beta.-endorphin peptide/calmodulin complexes. Chlorpromazine binding and phosphodiesterase activation. <i>Biochemistry</i> , 1985, 24, 1203-1211.	2.5	34
31	Photoaffinity Labeling and Related Techniques. , 1984, , 433-490.		38
32	Interaction of specific platelet membrane proteins with collagen: evidence from chemical crosslinking. <i>Biochemistry</i> , 1984, 23, 3099-3104.	2.5	58
33	Cross-linking and chymotryptic digestion of the extratoplasmic domain of the anion exchange channel in intact human erythrocytes. <i>Journal of Membrane Biology</i> , 1983, 74, 247-254.	2.1	60
34	Membrane-Impermeant, Cleavable Cross-Linkers. <i>Biophysical Journal</i> , 1982, 37, 21-22.	0.5	8
35	N-hydroxysulfosuccinimide active esters: bis(N-hydroxysulfosuccinimide) esters of two dicarboxylic acids are hydrophilic, membrane-impermeant, protein cross-linkers. <i>Biochemistry</i> , 1982, 21, 3950-3955.	2.5	492
36	Aryl azide photolabels in biochemistry. <i>Trends in Biochemical Sciences</i> , 1980, 5, 320-322.	7.5	72

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37	Reduction of aryl azides by thiols: Implications for the use of photoaffinity reagents. Biochemical and Biophysical Research Communications, 1978, 80, 568-572.	2.1	207
38	Photochemical labeling of the surface proteins of human erythrocytes. Biochemistry, 1974, 13, 2720-2726.	2.5	135