

Lubert Stryer

List of Publications by Citations

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25
papers

5,562
citations

21
h-index

26
g-index

26
ext. papers

5,767
ext. citations

15.9
avg, IF

5.22
L-index

#	Paper	IF	Citations
25	The interaction of a naphthalene dye with apomyoglobin and apohemoglobin. A fluorescent probe of non-polar binding sites. <i>Journal of Molecular Biology</i> , 1965 , 13, 482-95	6.5	1329
24	G proteins: a family of signal transducers. <i>Annual Review of Cell Biology</i> , 1986 , 2, 391-419		880
23	Highly cooperative feedback control of retinal rod guanylate cyclase by calcium ions. <i>Nature</i> , 1988 , 334, 64-6	50.4	653
22	Molecular mechanics of calcium-myristoyl switches. <i>Nature</i> , 1997 , 389, 198-202	50.4	423
21	Segmental flexibility in an antibody molecule. <i>Journal of Molecular Biology</i> , 1970 , 51, 573-90	6.5	407
20	Sequestration of the membrane-targeting myristoyl group of recoverin in the calcium-free state. <i>Nature</i> , 1995 , 376, 444-7	50.4	292
19	The dimeric nature of the gramicidin A transmembrane channel: conductance and fluorescence energy transfer studies of hybrid channels. <i>Journal of Molecular Biology</i> , 1977 , 113, 89-102	6.5	222
18	Activation of chloride channels in normal and cystic fibrosis airway epithelial cells by multifunctional calcium/calmodulin-dependent protein kinase. <i>Nature</i> , 1991 , 349, 793-6	50.4	182
17	Amino-terminal myristoylation induces cooperative calcium binding to recoverin. <i>Journal of Biological Chemistry</i> , 1995 , 270, 4526-33	5.4	169
16	Reciprocal control of retinal rod cyclic GMP phosphodiesterase by its gamma subunit and transducin. <i>Proteins: Structure, Function and Bioinformatics</i> , 1986 , 1, 90-9	4.2	129
15	Three-dimensional structure of guanylyl cyclase activating protein-2, a calcium-sensitive modulator of photoreceptor guanylyl cyclases. <i>Journal of Biological Chemistry</i> , 1999 , 274, 19329-37	5.4	125
14	Gramicidin A crystals contain two cation binding sites per channel. <i>Nature</i> , 1979 , 279, 723-5	50.4	118
13	Fluorescence studies of substrate and subunit interactions of the beta-2 protein of Escherichia coli tryptophan synthetase. <i>Biochemistry</i> , 1968 , 7, 3662-7	3.2	102
12	Nanosecond fluorimeter. <i>Review of Scientific Instruments</i> , 1967 , 38, 488-92	1.7	91
11	Secondary structure of myristoylated recoverin determined by three-dimensional heteronuclear NMR: implications for the calcium-myristoyl switch. <i>Biochemistry</i> , 1994 , 33, 10743-53	3.2	85
10	Nuclear magnetic resonance evidence for Ca(2+)-induced extrusion of the myristoyl group of recoverin. <i>Journal of Biological Chemistry</i> , 1995 , 270, 30909-13	5.4	72
9	Kinship of cephalopod photoreceptor G-protein with vertebrate transducin. <i>FEBS Letters</i> , 1986 , 198, 5-10	3.8	54

8	Association of the beta isoform of protein kinase C with vimentin filaments. <i>Cytoskeleton</i> , 1992 , 22, 250-6		50
7	Triplet-singlet energy transfer in proteins. <i>Biochemistry</i> , 1969 , 8, 1831-8	3.2	44
6	Energy Transfer in Proteins and Polypeptides. <i>Radiation Research Supplement</i> , 1960 , 2, 432		40
5	Molecular design of an amplification cascade in vision. <i>Biopolymers</i> , 1985 , 24, 29-47	2.2	38
4	Differential isotope labeling strategy for determining the structure of myristoylated recoverin by NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 1998 , 11, 135-52	3	21
3	Exploring light and life. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15164-73	5.4	16
2	Molecular structure of membrane-targeting calcium sensors in vision: recoverin and guanylate cyclase-activating protein 2. <i>Methods in Enzymology</i> , 2000 , 316, 121-32	1.7	8
1	Workings of the cGMP-activated channel of retinal rods. <i>Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society</i> , 1990 , 12, S165-74		1