

Christian Salesse

List of Publications by Year in descending order

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108
papers

2,578
citations

186209

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233338

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docs citations

111
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Farnesylation and lipid unsaturation are critical for the membrane binding of the C-terminal segment of G-Protein Receptor Kinase 1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112315.	2.5	1
2	Structural information and membrane binding of truncated RGS9-1 Anchor Protein and its C-terminal hydrophobic segment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183566.	1.4	1
3	Dengue fusion peptide in Langmuir monolayers: A binding parameter study. <i>Biophysical Chemistry</i> , 2021, 271, 106553.	1.5	7
4	Membrane binding properties of the C-terminal segment of retinol dehydrogenase 8. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183605.	1.4	3
5	Comparison between the enzymatic activity, structure and substrate binding of mouse and human lecithin retinol acyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 832-837.	1.0	1
6	Novel approaches to probe the binding of recoverin to membranes. <i>European Biophysics Journal</i> , 2018, 47, 679-691.	1.2	4
7	The hydrophobic region of the <i>Leishmania</i> peroxin 14: requirements for association with a glycosome mimetic membrane. <i>Biochemical Journal</i> , 2018, 475, 511-529.	1.7	4
8	Identification of an alternative translation initiation site in the sequence of the commonly used Glutathione S-Transferase tag. <i>Journal of Biotechnology</i> , 2018, 286, 14-16.	1.9	8
9	Systematic analysis of the expression, solubility and purification of a passenger protein in fusion with different tags. <i>Protein Expression and Purification</i> , 2018, 152, 92-106.	0.6	21
10	How to gather useful and valuable information from protein binding measurements using Langmuir lipid monolayers. <i>Advances in Colloid and Interface Science</i> , 2017, 243, 60-76.	7.0	27
11	Membrane fluidity is a driving force for recoverin myristoyl immobilization in zwitterionic lipids. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1268-1273.	1.0	6
12	Phosphatidylserine Allows Observation of the Calcium-Myristoyl Switch of Recoverin and Its Preferential Binding. <i>Journal of the American Chemical Society</i> , 2016, 138, 13533-13540.	6.6	21
13	Discriminating Lipid from Protein Calcium Binding To Understand the Interaction between Recoverin and Phosphatidylglycerol Model Membranes. <i>Biochemistry</i> , 2016, 55, 3481-3491.	1.2	11
14	How To Decipher Protein and Peptide Selectivity for Lipids in Monolayers. <i>ACS Symposium Series</i> , 2015, , 109-128.	0.5	0
15	Functional Impact of Collagens on the Activity Directed by the Promoter of the $\alpha 5$ Integrin Subunit Gene in Corneal Epithelial Cells. , 2015, 56, 6217.		6
16	Structure of the N-terminal segment of human retinol dehydrogenase 11 and its preferential lipid binding using model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 878-885.	1.4	11
17	Structure and Binding of the C-Terminal Segment of R9AP to Lipid Monolayers. <i>Langmuir</i> , 2015, 31, 1967-1979.	1.6	8
18	Characterization of the human $\alpha 9$ integrin subunit gene: Promoter analysis and transcriptional regulation in ocular cells. <i>Experimental Eye Research</i> , 2015, 135, 146-163.	1.2	7

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19	Lipid Selectivity, Orientation, and Extent of Membrane Binding of Nonacylated RP2. <i>Biochemistry</i> , 2015, 54, 2560-2570.	1.2	14
20	Retinol dehydrogenases: Membrane-bound enzymes for the visual function. <i>Biochemistry and Cell Biology</i> , 2014, 92, 510-523.	0.9	17
21	Enzymatic activity of Lecithin:retinol acyltransferase: A thermostable and highly active enzyme with a likely mode of interfacial activation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1128-1136.	1.1	8
22	The Thermal Stability of Recoverin Depends on Calcium Binding and Its Myristoyl Moiety As Revealed by Infrared Spectroscopy. <i>Biochemistry</i> , 2014, 53, 48-56.	1.2	7
23	Reversible Ca ²⁺ Switch of An Engineered Allosteric Antioxidant Selenoenzyme. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13536-13539.	7.2	23
24	Comparison between the behavior of different hydrophobic peptides allowing membrane anchoring of proteins. <i>Advances in Colloid and Interface Science</i> , 2014, 207, 223-239.	7.0	35
25	Effect of oxidation of polyunsaturated phospholipids on the binding of proteins in monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 109-114.	2.5	14
26	Expression of the $\beta 5$ integrin gene in corneal epithelial cells cultured on tissue-engineered human extracellular matrices. <i>Biomaterials</i> , 2013, 34, 6367-6376.	5.7	13
27	Binding of a Truncated Form of Lecithin:Retinol Acyltransferase and Its N- and C-Terminal Peptides to Lipid Monolayers. <i>Langmuir</i> , 2012, 28, 3516-3523.	1.6	19
28	Influence of the Physical State of Phospholipid Monolayers on Protein Binding. <i>Langmuir</i> , 2012, 28, 9680-9688.	1.6	56
29	Lecithin retinol acyltransferase and its S175R mutant have a similar secondary structure content and maximum insertion pressure but different enzyme activities. <i>Experimental Eye Research</i> , 2011, 93, 778-781.	1.2	3
30	ABCB1 identifies a subpopulation of uveal melanoma cells with high metastatic propensity. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 430-437.	1.5	27
31	Suppression of $\beta 5$ gene expression is closely related to the tumorigenic properties of uveal melanoma cell lines. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 643-655.	1.5	19
32	A strategy for purifying glutathione S-transferase in the presence of sodium dodecyl sulfate. <i>BioTechniques</i> , 2011, 51, 193-4.	0.8	7
33	Analysis of the Contribution of Saturated and Polyunsaturated Phospholipid Monolayers to the Binding of Proteins. <i>Langmuir</i> , 2011, 27, 1373-1379.	1.6	85
34	Rhodopsin is spatially heterogeneously distributed in rod outer segment disk membranes. <i>Journal of Molecular Recognition</i> , 2011, 24, 483-489.	1.1	42
35	Identification of differentially expressed genes in uveal melanoma using suppressive subtractive hybridization. <i>Molecular Vision</i> , 2011, 17, 1324-33.	1.1	5
36	Parameters modulating the maximum insertion pressure of proteins and peptides in lipid monolayers. <i>Biochimie</i> , 2009, 91, 718-733.	1.3	140

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37	Phospholipid monolayer hydrolysis by cytosolic phospholipase A2 gamma and lecithin retinol acyl transferase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 147-150.	2.3	3
38	Secondary structure of a truncated form of lecithin retinol acyltransferase in solution and evidence for its binding and hydrolytic action in monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1324-1334.	1.4	13
39	Mixing Behavior of a Poly(ethylene glycol)-Grafted Phospholipid in Monolayers at the Air/Water Interface. <i>Langmuir</i> , 2008, 24, 13019-13029.	1.6	5
40	Comparison between the Gene Expression Profile of Human Muÿller Cells and Two Spontaneous Muÿller Cell Lines. , 2007, 48, 5229.		11
41	Determination of the Contribution of the Myristoyl Group and Hydrophobic Amino Acids of Recoverin on its Dynamics of Binding to Lipid Monolayers. <i>Biophysical Journal</i> , 2007, 93, 2069-2082.	0.2	40
42	Characterization of Two Spontaneously Generated Human Muÿller Cell Lines from Donors with Type 1 and Type 2 Diabetes. , 2007, 48, 874.		8
43	Organization, structure and activity of proteins in monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 73-90.	2.5	34
44	Identification of genes specifically expressed by human Mÿÿller cells by use of subtractive hybridization. <i>Molecular Vision</i> , 2007, 13, 1828-41.	1.1	2
45	Binding of RPE65 Fragments to Lipid Monolayers and Identification of Its Partners by Glutathione S-Transferase Pull-Down Assays. <i>Biochemistry</i> , 2006, 45, 3337-3347.	1.2	20
46	Single-step purification of myristoylated and nonmyristoylated recoverin and substrate dependence of myristoylation level. <i>Analytical Biochemistry</i> , 2006, 349, 25-32.	1.1	15
47	Expression of Phospholipases A2and C in Human Corneal Epithelial Cells. , 2004, 45, 3997.		15
48	On the Nature of Conformational Transition in Poly(ethylene glycol) Chains Grafted onto Phospholipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10754-10764.	1.2	31
49	In Situ Characterization of Functional Purple Membrane Monolayers at the Air~Water Interface. <i>Langmuir</i> , 2004, 20, 934-940.	1.6	9
50	Integrin Î±5 expression by the ARPE-19 cell line: comparison with primary RPE cultures and effect of growth medium on the Î±5 gene promoter strength. <i>Experimental Eye Research</i> , 2004, 79, 157-165.	1.2	24
51	Expression of glial fibrillary acidic protein in primary cultures of human Mÿÿller cells. <i>Experimental Eye Research</i> , 2004, 79, 423-429.	1.2	26
52	High-Pressure Transition of a Poly(ethylene glycol)-Grafted Phospholipid Monolayer at the Air/Water Interface. <i>Macromolecules</i> , 2003, 36, 7227-7235.	2.2	17
53	Regulation of the Integrin Subunit Î±5 Gene Promoter by the Transcription Factors Sp1/Sp3 Is Influenced by the Cell Density in Rabbit Corneal Epithelial Cells. , 2003, 44, 3742.		39
54	Effect of quiescence on integrin alpha5beta1 expression in human retinal pigment epithelium. <i>Molecular Vision</i> , 2003, 9, 473-81.	1.1	25

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55	Structure of Rhodopsin in Monolayers at the Air/Water Interface: A PM-IRRAS and X-Ray Reflectivity Study. <i>Biochemistry</i> , 2002, 41, 13424-13434.	1.2	46
56	Formation of Highly Oriented Domains of a Thiocarbocyanine Dye in a Monolayer at the Air/Water Interface. <i>Langmuir</i> , 2002, 18, 1641-1648.	1.6	17
57	Monolayer Behavior of NBD-Labeled Phospholipids at the Air/Water Interface. <i>Langmuir</i> , 2002, 18, 5539-5550.	1.6	36
58	Microscopic Organization of Long-Chain Rhodamine Molecules in Monolayers at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4203-4213.	1.2	20
59	eSpectroscopic and Structural Properties of Valine Gramicidin A in Monolayers at the Air-Water Interface. <i>Biophysical Journal</i> , 2002, 83, 3558-3569.	0.2	27
60	Measurement of Membrane Binding between Recoverin, a Calcium-Myristoyl Switch Protein, and Lipid Bilayers by AFM-Based Force Spectroscopy. <i>Biophysical Journal</i> , 2002, 82, 3343-3350.	0.2	71
61	Highly cohesive monolayers of lipid derivatives of colchicine: a dynamics study. <i>Chemistry and Physics of Lipids</i> , 2002, 114, 99-102.	1.5	1
62	Design of Functionalized Lipids and Evidence for Their Binding to Photosystem II Core Complex by Oxygen Evolution Measurements, Atomic Force Microscopy, and Scanning Near-Field Optical Microscopy. <i>Biophysical Journal</i> , 2001, 81, 563-571.	0.2	12
63	Human retinal pigment epithelium secretes a phospholipase A2 and contains two novel intracellular phospholipases A2. <i>Biochemistry and Cell Biology</i> , 2001, 79, 1-10.	0.9	19
64	Probing the transducin nucleotide binding site with GDP analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1185-1188.	1.0	1
65	Monitoring of phospholipid monolayer hydrolysis by phospholipase A2 by use of polarization-modulated Fourier transform infrared spectroscopy. <i>Biophysical Chemistry</i> , 2000, 88, 127-135.	1.5	28
66	Can we produce a human corneal equivalent by tissue engineering?. <i>Progress in Retinal and Eye Research</i> , 2000, 19, 497-527.	7.3	117
67	Expression of the $\beta 5$ Integrin Subunit Gene Promoter Is Positively Regulated by the Extracellular Matrix Component Fibronectin through the Transcription Factor Sp1 in Corneal Epithelial Cells in Vitro. <i>Journal of Biological Chemistry</i> , 2000, 275, 39182-39192.	1.6	51
68	The interaction between lipid derivatives of colchicine and tubulin: Consequences of the interaction of the alkaloid with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1468, 381-395.	1.4	18
69	Influence of Molecular Structure on the Aggregating Properties of Thiocarbocyanine Dyes Adsorbed to Langmuir Films at the Air/Water Interface. <i>Langmuir</i> , 2000, 16, 9518-9526.	1.6	26
70	The behavior of membrane proteins in monolayers at the gas/water interface: comparison between photosystem II, rhodopsin and bacteriorhodopsin. <i>Materials Science and Engineering C</i> , 1999, 10, 147-154.	3.8	29
71	Polarization-Modulated Infrared Reflection Absorption Spectroscopy Measurement of Phospholipid Monolayer Hydrolysis by Phospholipase C. <i>Langmuir</i> , 1999, 15, 6594-6597.	1.6	31
72	Spectroscopic, AFM, and NSOM Studies of 3D Crystallites in Mixed Langmuir/Blodgett Films of N,N'-Bis(2,6-dimethylphenyl)-3,4,9,10-perylene-tetracarboxylic Diimide and Stearic Acid. <i>Langmuir</i> , 1999, 15, 607-612.	1.6	28

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73	Anisotropic Optical Constants of Bacteriorhodopsin in the Mid-Infrared: Consequence on the Determination of $\hat{I}\pm$ -Helix Orientation. <i>Applied Spectroscopy</i> , 1999, 53, 1299-1304.	1.2	36
74	Determination of the depth of penetration of the $\hat{I}\pm$ subunit of retinal G protein in membranes: A spectroscopic study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1370, 199-206.	1.4	7
75	Phospholipases A2 of rod outer segment-free bovine retinae are different from well-known phospholipases A2. <i>Lipids and Lipid Metabolism</i> , 1998, 1391, 169-180.	2.6	5
76	Evaluation of Membrane Penetration Depth Utilizing Fluorescence Quenching by Doxylated Fatty Acids. <i>Langmuir</i> , 1998, 14, 4643-4649.	1.6	4
77	Synthesis of Enzymatically Stable Analogues of GDP for Binding Studies with Transducin, the G-Protein of the Visual Photoreceptor. <i>Journal of Organic Chemistry</i> , 1998, 63, 7244-7257.	1.7	23
78	Polymorphism of the 1-Palmitoyl-2-arachidonoyl-phosphatidyl-ethanolamine/Dimyristoyl-phosphatidylmethanol Mixture, a Phospholipase A2 Substrate. <i>Biochemical and Biophysical Research Communications</i> , 1998, 251, 879-882.	1.0	1
79	Polarization-Modulated Infrared Spectroscopy and X-Ray Reflectivity of Photosystem II Core Complex at the Gas-Water Interface. <i>Biophysical Journal</i> , 1998, 75, 2888-2899.	0.2	44
80	Surface and Spectroscopic Properties of Photosystem II Core Complex at the Nitrogen/Water Interface. <i>Langmuir</i> , 1998, 14, 3954-3963.	1.6	20
81	Bovine retinal pigment epithelium contains novel types of phospholipase A2. <i>Biochemical Journal</i> , 1997, 327, 455-460.	1.7	5
82	Surface Pressure Dependent Fluorescence Resonance Energy Transfer in Mixed Monolayers of Amphiphilic Coumarin and Texas Red at the Air \hat{I} -Water Interface. <i>Langmuir</i> , 1997, 13, 801-807.	1.6	13
83	A Spectroscopic and Epifluorescence Microscopic Study of (Hexadecanoylamino)fluorescein Aggregates at the Air \hat{I} -Water Interface and in Langmuir \hat{I} -Blodgett Films. <i>Langmuir</i> , 1997, 13, 5401-5408.	1.6	43
84	Surface properties of valine-gramicidin A at the air-water interface. <i>Thin Solid Films</i> , 1996, 284-285, 90-93.	0.8	11
85	Determination of bacteriorhodopsin orientation in monolayers by infrared spectroscopy. <i>Thin Solid Films</i> , 1996, 284-285, 627-630.	0.8	15
86	Study of the synergistic action of phospholipase A2 and melittin in the hydrolysis of phospholipid monolayers. <i>Thin Solid Films</i> , 1996, 284-285, 743-747.	0.8	11
87	Presence of a Light-independent Phospholipase A2 in Bovine Retina but Not in Rod Outer Segments. <i>Journal of Biological Chemistry</i> , 1996, 271, 19209-19218.	1.6	8
88	Phospholipase A2 domain formation in hydrolyzed asymmetric phospholipid monolayers at the air/water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1235, 395-405.	1.4	46
89	The organization of poly- \hat{I}^3 -benzyl-L-glutamate in the $\hat{I}\pm$ -helical conformation at the air-water interface. <i>Thin Solid Films</i> , 1994, 242, 229-233.	0.8	17
90	Multiple Regulatory Elements Control the Basal Promoter Activity of the Human $\hat{I}\pm 4$ Integrin Gene. <i>DNA and Cell Biology</i> , 1994, 13, 1071-1085.	0.9	22

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91	Effects of EGF, IL-1 and their Combination on In Vitro Corneal Epithelial Wound Closure and Cell Chemotaxis. <i>Experimental Eye Research</i> , 1993, 57, 293-300.	1.2	53
92	Ellipsometric and fluorescence microscopic investigations of a cyclam derivative at the air/water interface. <i>Langmuir</i> , 1993, 9, 2145-2150.	1.6	12
93	Quenching of fluorescein-conjugated lipids by antibodies. Quantitative recognition and binding of lipid-bound haptens in biomembrane models, formation of two-dimensional protein domains and molecular dynamics simulations. <i>Biophysical Journal</i> , 1992, 63, 823-838.	0.2	31
94	Modeling membrane targeting: interaction and recognition of proteins with model biomembrane systems. <i>Journal of Controlled Release</i> , 1992, 19, 201-218.	4.8	8
95	Optical measurements of an acylated azacrown at the air-water interface. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 46, 97-101.	0.6	1
96	Ellipsometric study of the physical states of phosphatidylcholines at the air-water interface. <i>The Journal of Physical Chemistry</i> , 1990, 94, 1925-1932.	2.9	114
97	Estimation of disk membrane lateral pressure and molecular area of rhodopsin by the measurement of its orientation at the nitrogen-water interface from an ellipsometric study. <i>Biochemistry</i> , 1990, 29, 4567-4575.	1.2	27
98	Mixed monolayers of natural and polymeric phospholipids: structural characterization by physical and enzymatic methods. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1022, 146-154.	1.4	41
99	Hydrolytic action of phospholipase A2 in monolayers in the phase transition region: direct observation of enzyme domain formation using fluorescence microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1023, 365-379.	1.4	147
100	Specific recognition and formation of two-dimensional streptavidin domains in monolayers: applications to molecular devices. <i>Thin Solid Films</i> , 1989, 180, 93-99.	0.8	89
101	The binding of G-protein to rod outer segment phospholipids at the nitrogen-water interface. <i>Biochemistry and Cell Biology</i> , 1989, 67, 422-427.	0.9	5
102	The effect of pH on the interactions in mixed monolayers between phosphatidylserine and all-Trans retinal. <i>Journal of Colloid and Interface Science</i> , 1988, 123, 1-7.	5.0	2
103	Lipid contamination of disks depends on rod outer-segment purity. <i>Experimental Eye Research</i> , 1988, 46, 285-287.	1.2	2
104	Direct evidence for the formation of a monolayer from a bilayer. An ellipsometric study at the nitrogen-water interface. <i>Biophysical Journal</i> , 1987, 52, 351-352.	0.2	18
105	Ellipsometric studies of rod outer segment phospholipids at the nitrogen-water interface. <i>Thin Solid Films</i> , 1985, 132, 83-90.	0.8	41
106	Molar absorptivities of bovine retina rod outer segment phospholipids in n-hexane. <i>Analytical Biochemistry</i> , 1985, 151, 409-417.	1.1	9
107	An evaluation of purity criteria for bovine rod outer segment membranes. <i>Analytical Biochemistry</i> , 1984, 142, 258-266.	1.1	31
108	Interactions in mixed monolayers between distearoyl-l-phosphatidylethanolamine, rod outer segment phosphatidylethanolamine and all-trans retinal. Effect of pH. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 730, 217-225.	1.4	9