

# M Pilar Lillo

## List of Publications by Year in descending order

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43  
papers

1,368  
citations

304602

22  
h-index

330025

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proton transfer spectroscopy of 2-(2'-hydroxyphenyl)imidazole and 2-(2'-hydroxyphenyl)benzimidazole dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 78, 127-138.	2.0	120
2	Structural basis of the interaction between integrin $\alpha 6 \beta 2$ and plectin at the hemidesmosomes. <i>EMBO Journal</i> , 2009, 28, 1180-1190.	3.5	82
3	Fluorescent taxoids as probes of the microtubule cytoskeleton. <i>Cytoskeleton</i> , 1998, 39, 73-90.	4.4	72
4	Translation Elongation Factor eEF1A2 is a Novel Anticancer Target for the Marine Natural Product Plitidepsin. <i>Scientific Reports</i> , 2016, 6, 35100.	1.6	71
5	Real-Time Measurement of Multiple Intramolecular Distances during Protein Folding Reactions: A Multisite Stopped-Flow Fluorescence Energy-Transfer Study of Yeast Phosphoglycerate Kinase. <i>Biochemistry</i> , 1997, 36, 11273-11281.	1.2	68
6	Resolution of multiphasic reactions by the combination of fluorescence total-intensity and anisotropy stopped-flow kinetic experiments. <i>Biophysical Journal</i> , 1994, 67, 2511-2521.	0.2	67
7	Design and Characterization of a Multisite Fluorescence Energy-Transfer System for Protein Folding Studies: A Steady-State and Time-Resolved Study of Yeast Phosphoglycerate Kinase. <i>Biochemistry</i> , 1997, 36, 11261-11272.	1.2	62
8	Translational and rotational motions of proteins in a protein crowded environment. <i>Biophysical Chemistry</i> , 2007, 125, 298-305.	1.5	58
9	Lipid clustering in bilayers detected by the fluorescence kinetics and anisotropy of trans-parinaric acid. <i>Biophysical Journal</i> , 1993, 65, 2237-2247.	0.2	56
10	Protein self-association in crowded protein solutions: A time-resolved fluorescence polarization study. <i>Protein Science</i> , 2008, 13, 2960-2969.	3.1	51
11	Endocannabinoids and cannabinoid analogues block cardiac hKv1.5 channels in a cannabinoid receptor-independent manner. <i>Cardiovascular Research</i> , 2010, 85, 56-67.	1.8	48
12	Sedimentation equilibrium in a solution containing an arbitrary number of solute species at arbitrary concentrations: theory and application to concentrated solutions of ribonuclease. <i>Biophysical Chemistry</i> , 2004, 108, 89-100.	1.5	45
13	Molecular order and fluidity of the plasma membrane of human platelets from time-resolved fluorescence depolarization. <i>European Biophysics Journal</i> , 1991, 20, 41-52.	1.2	39
14	Location and Properties of the Taxol Binding Center in Microtubules: A Picosecond Laser Study with Fluorescent Taxoids. <i>Biochemistry</i> , 2002, 41, 12436-12449.	1.2	39
15	The Long and Short Flavodoxins. <i>Journal of Biological Chemistry</i> , 2004, 279, 47177-47183.	1.6	39
16	Modulation of the atrial specific Kv1.5 channel by the n-3 polyunsaturated fatty acid, $\alpha$ -linolenic acid. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 323-335.	0.9	38
17	Rotational dynamics of 1,6-diphenyl-1,3,5-hexatriene and derivatives from fluorescence depolarization. <i>The Journal of Physical Chemistry</i> , 1993, 97, 3486-3491.	2.9	35
18	Early Events in the Binding of the pPS10 Replication Protein RepA to Single Itron and Operator DNA Sequences. <i>Journal of Molecular Biology</i> , 2006, 364, 909-920.	2.0	32

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19	Structure and Dynamics of Lysozyme Encapsulated in a Silica Solâ <sup>2</sup> Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11603-11610.	1.2	30
20	Endocannabinoids and cannabinoid analogues block human cardiac Kv4.3 channels in a receptor-independent manner. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 201-210.	0.9	30
21	Lateral heterogeneity in human platelet plasma membrane and lipids from the time-resolved fluorescence of trans-parinaric acid. <i>European Biophysics Journal</i> , 1991, 20, 53-9.	1.2	28
22	Irvalec Inserts into the Plasma Membrane Causing Rapid Loss of Integrity and Necrotic Cell Death in Tumor Cells. <i>PLoS ONE</i> , 2011, 6, e19042.	1.1	26
23	Protein structure probed by polarization spectroscopy. <i>Biophysical Chemistry</i> , 1987, 26, 63-70.	1.5	21
24	Conformational changes in human integrin $\alpha\text{IIb}\beta\text{3}$ after platelet activation, monitored by FRET. <i>Biophysical Chemistry</i> , 2007, 130, 76-87.	1.5	20
25	Directed, Strong, and Reversible Immobilization of Proteins Tagged with a $\beta\text{-}$ Trefoil Lectin Domain: A Simple Method to Immobilize Biomolecules on Plain Agarose Matrixes. <i>Bioconjugate Chemistry</i> , 2012, 23, 565-573.	1.8	20
26	Fluorescence anisotropy as a probe to study tracer proteins in crowded solutions. <i>Journal of Molecular Recognition</i> , 2004, 17, 408-416.	1.1	17
27	Cholesterol effect on the physical state of lipid multibilayers from the platelet plasma membrane by time-resolved fluorescence. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1235, 343-350.	1.4	16
28	NMR structure of the noncytotoxic $\alpha\text{-}$ sarcin mutant $\alpha\text{(7-22)}$ : The importance of the native conformation of peripheral loops for activity. <i>Protein Science</i> , 2004, 13, 1000-1011.	3.1	16
29	Two-Photon Fluorescence Anisotropy Imaging to Elucidate the Dynamics and the Stability of Immobilized Proteins. <i>Journal of Physical Chemistry B</i> , 2016, 120, 485-491.	1.2	16
30	Characterization of the Control Catabolite Protein of Gluconeogenic Genes Repressor by Fluorescence Cross-Correlation Spectroscopy and Other Biophysical Approaches. <i>Biophysical Journal</i> , 2008, 95, 4403-4415.	0.2	15
31	THE UV PROTEIN FLUORESCENCE OF PURPLE MEMBRANE AND ITS APOMEMBRANE. <i>Photochemistry and Photobiology</i> , 1984, 40, 351-359.	1.3	14
32	Conformation of human fibrinogen in solution from polarized triplet spectroscopy. <i>Biochemistry</i> , 1992, 31, 7580-7586.	1.2	14
33	Elisidepsin Interacts Directly with Glycosylceramides in the Plasma Membrane of Tumor Cells to Induce Necrotic Cell Death. <i>PLoS ONE</i> , 2015, 10, e0140782.	1.1	14
34	Thermomechanical Transitions of Egg-Ceramide Monolayers. <i>Langmuir</i> , 2015, 31, 3912-3918.	1.6	9
35	Protein structure probed by polarization spectroscopy. <i>Biophysical Chemistry</i> , 1987, 26, 55-61.	1.5	7
36	Micro and nanosecond detection of biomolecular dynamics by polarized luminescence. <i>Pure and Applied Chemistry</i> , 1992, 64, 1211-1217.	0.9	6

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37	Supramolecular zippers elicit interbilayer adhesion of membranes producing cell death. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2824-2834.	1.1	6
38	<i>Investigating Transcriptional Regulation by Fluorescence Spectroscopy, from Traditional Methods to State-of-the-Art Single-Molecule Approaches</i> . <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 44-51.	1.8	5
39	Fluorescence studies of the replication initiator protein RepA in complex with operator and iteron sequences and free in solution. <i>FEBS Journal</i> , 2008, 275, 5393-5407.	2.2	5
40	Quantitative Investigation of Biomolecular Interactions in Crowded Media by Fluorescence Spectroscopy, a Good Choice. <i>Current Protein and Peptide Science</i> , 2009, 10, 376-387.	0.7	5
41	Dynamic cellular maps of molecular species: Application to drug-target interactions. <i>Scientific Reports</i> , 2018, 8, 1140.	1.6	5
42	Rotational Dynamics of 1,6-Diphenyl-1,3,5-hexatriene and Derivatives from Fluorescence Depolarization. [Erratum to document cited in CA118:233353]. <i>The Journal of Physical Chemistry</i> , 1994, 98, 13804-13804.	2.9	1
43	439 Rapid effects of Irvalec on tumor cell integrity associated with changes in the ionic membrane conductance. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 139.	2.2	0