

Francesca M Marassi

List of Publications by Year in descending order

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77
papers

3,621
citations

201674

27
h-index

138484

58
g-index

79
all docs

79
docs citations

79
times ranked

3003
citing authors

#	ARTICLE	IF	CITATIONS
1	A periplasmic cinched protein is required for siderophore secretion and virulence of <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2022, 13, 2255.	12.8	8
2	Correlating the Structure and Activity of <i>Y.Âpestis</i> Ail in a Bacterial Cell Envelope. <i>Biophysical Journal</i> , 2021, 120, 453-462.	0.5	7
3	Determining Vitronectin's Role in Forming the Hallmark of Age-Related Macular Degeneration. <i>Biophysical Journal</i> , 2021, 120, 202a.	0.5	0
4	Structural basis for the association of PLEKHA7 with membrane-embedded phosphatidylinositol lipids. <i>Structure</i> , 2021, 29, 1029-1039.e3.	3.3	18
5	PLEKHA7 signaling is necessary for the growth of mutant KRAS driven colorectal cancer. <i>Experimental Cell Research</i> , 2021, 409, 112930.	2.6	4
6	Calcium and hydroxyapatite binding site of human vitronectin provides insights to abnormal deposit formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18504-18510.	7.1	11
7	Conformational States of the Cytoprotective Protein Bcl-xL. <i>Biophysical Journal</i> , 2020, 119, 1324-1334.	0.5	10
8	Mutually constructive roles of Ail and LPS in <i>Yersinia pestis</i> serum survival. <i>Molecular Microbiology</i> , 2020, 114, 510-520.	2.5	19
9	Membrane proteins in magnetically aligned phospholipid polymer discs for solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183333.	2.6	14
10	Structure of human Vitronectin C-terminal domain and interaction with <i>Yersinia pestis</i> outer membrane protein Ail. <i>Science Advances</i> , 2019, 5, eaax5068.	10.3	19
11	Reconstitution and Characterization of BCL-2 Family Proteins in Lipid Bilayer Nanodiscs. <i>Methods in Molecular Biology</i> , 2019, 1877, 233-246.	0.9	8
12	Regulation of apoptosis by an intrinsically disordered region of Bcl-xL. <i>Nature Chemical Biology</i> , 2018, 14, 458-465.	8.0	42
13	Lipoprotein Particle Formation by Proapoptotic tBid. <i>Biophysical Journal</i> , 2018, 115, 533-542.	0.5	2
14	NMR Structural Studies of the <i>Yersinia Pestis</i> Outer Membrane Protein AIL in Lipid Bilayers. <i>Biophysical Journal</i> , 2018, 114, 237a.	0.5	0
15	High resolution solid-state NMR spectroscopy of the <i>Yersinia pestis</i> outer membrane protein Ail in lipid membranes. <i>Journal of Biomolecular NMR</i> , 2017, 67, 179-190.	2.8	11
16	Applications of NMR to membrane proteins. <i>Archives of Biochemistry and Biophysics</i> , 2017, 628, 92-101.	3.0	65
17	High quality NMR structures: a new force field with implicit water and membrane solvation for Xplor-NIH. <i>Journal of Biomolecular NMR</i> , 2017, 67, 35-49.	2.8	30
18	Structural Insights into the <i>Yersinia pestis</i> Outer Membrane Protein Ail in Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7561-7570.	2.6	28

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19	Structure of monomeric Interleukin-8 and its interactions with the N-terminal Binding Site-I of CXCR1 by solution NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2017, 69, 111-121.	2.8	31
20	Orphan Nuclear Receptor NR4A1 Binds a Novel Protein Interaction Site on Anti-apoptotic B Cell Lymphoma Gene 2 Family Proteins. <i>Journal of Biological Chemistry</i> , 2016, 291, 14072-14084.	3.4	17
21	Characterization of the membrane-inserted C-terminus of cytoprotective BCL-XL. <i>Protein Expression and Purification</i> , 2016, 122, 56-63.	1.3	22
22	A Practical Implicit Membrane Potential for NMR Structure Calculations of Membrane Proteins. <i>Biophysical Journal</i> , 2015, 109, 574-585.	0.5	24
23	Solid-State NMR-Restrained Ensemble Dynamics of a Membrane Protein in Explicit Membranes. <i>Biophysical Journal</i> , 2015, 108, 1954-1962.	0.5	11
24	Conformation of BCL-XL upon Membrane Integration. <i>Journal of Molecular Biology</i> , 2015, 427, 2262-2270.	4.2	54
25	Solid-state NMR of the <i>Yersinia pestis</i> outer membrane protein Ail in lipid bilayer nanodiscs sedimented by ultracentrifugation. <i>Journal of Biomolecular NMR</i> , 2015, 61, 275-286.	2.8	24
26	Backbone structure of <i>Yersinia pestis</i> Ail determined in micelles by NMR-restrained simulated annealing with implicit membrane solvation. <i>Journal of Biomolecular NMR</i> , 2015, 63, 59-65.	2.8	24
27	Influence of the lipid membrane environment on structure and activity of the outer membrane protein Ail from <i>Yersinia pestis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 712-720.	2.6	32
28	Structure of the Na,K-ATPase regulatory protein FXD2b in micelles: Implications for membrane-water interfacial arginines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 299-306.	2.6	9
29	<i>Yersinia pestis</i> uses the Ail outer membrane protein to recruit vitronectin. <i>Microbiology (United Kingdom)</i> 154:187-197 (2010) doi:10.1099/mic/0/000000.0	1.8	25
30	Structure of the membrane protein MerF, a bacterial mercury transporter, improved by the inclusion of chemical shift anisotropy constraints. <i>Journal of Biomolecular NMR</i> , 2014, 60, 67-71.	2.8	16
31	A practical implicit solvent potential for NMR structure calculation. <i>Journal of Magnetic Resonance</i> , 2014, 243, 54-64.	2.1	45
32	Structural and Functional Studies of the Outer Membrane Protein Ail from <i>Yersinia Pestis</i> . <i>Biophysical Journal</i> , 2014, 106, 47a.	0.5	0
33	Membrane Protein Structure Determination: Back to the Membrane. <i>Methods in Molecular Biology</i> , 2013, 1063, 145-158.	0.9	8
34	The Discreet Charm of the Curve. <i>Biophysical Journal</i> , 2013, 104, 1215-1216.	0.5	2
35	The Structure of the Mercury Transporter MerF in Phospholipid Bilayers: A Large Conformational Rearrangement Results from N-Terminal Truncation. <i>Journal of the American Chemical Society</i> , 2013, 135, 9299-9302.	13.7	27
36	Membrane Protein Structure Determination <i>in Membrana</i> . <i>Accounts of Chemical Research</i> , 2013, 46, 2182-2190.	15.6	27

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37	NMR-Based Simulation Studies of Pf1 Coat Protein in Explicit Membranes. <i>Biophysical Journal</i> , 2013, 105, 691-698.	0.5	18
38	Improved chemical shift prediction by Rosetta conformational sampling. <i>Journal of Biomolecular NMR</i> , 2012, 54, 237-243.	2.8	6
39	Molecular Structure and Peptidoglycan Recognition of <i>Mycobacterium tuberculosis</i> ArfA (Rv0899). <i>Journal of Molecular Biology</i> , 2012, 416, 208-220.	4.2	17
40	Structure of the chemokine receptor CXCR1 in phospholipid bilayers. <i>Nature</i> , 2012, 491, 779-783.	27.8	407
41	Structure Determination of a Membrane Protein in Proteoliposomes. <i>Journal of the American Chemical Society</i> , 2012, 134, 2047-2056.	13.7	89
42	AssignFit: A program for simultaneous assignment and structure refinement from solid-state NMR spectra. <i>Journal of Magnetic Resonance</i> , 2012, 214, 42-50.	2.1	18
43	Expression, refolding, and initial structural characterization of the <i>Y. pestis</i> Ail outer membrane protein in lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 482-489.	2.6	21
44	Structure determination of membrane proteins in five easy pieces. <i>Methods</i> , 2011, 55, 363-369.	3.8	28
45	<i>Mycobacterium tuberculosis</i> Rv0899 defines a family of membrane proteins widespread in nitrogen-fixing bacteria. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 2946-2955.	2.6	4
46	FXFD Proteins Reverse Inhibition of the Na ⁺ -K ⁺ Pump Mediated by Glutathionylation of Its β 1 Subunit. <i>Journal of Biological Chemistry</i> , 2011, 286, 18562-18572.	3.4	79
47	Structure and Activity of CPNGRC: A Modified CD13/APN Peptidic Homing Motif. <i>Chemical Biology and Drug Design</i> , 2010, 75, 551-562.	3.2	14
48	Structure and Dynamics of the Membrane-Bound Form of Pf1 Coat Protein: Implications of Structural Rearrangement for Virus Assembly. <i>Biophysical Journal</i> , 2010, 99, 1465-1474.	0.5	70
49	Structure of the <i>Mycobacterium Tuberculosis</i> Virulence Factor Rv0899 (ompATb). <i>Biophysical Journal</i> , 2010, 98, 624a-625a.	0.5	0
50	Bicelles: A natural μ -molecular goniometer TM for structural, dynamical and topological studies of molecules in membranes. <i>Biochimie</i> , 2009, 91, 744-751.	2.6	97
51	BAX and BAK Caught in the Act. <i>Molecular Cell</i> , 2009, 36, 353-354.	9.7	4
52	Expression, purification, and activities of full-length and truncated versions of the integral membrane protein Vpu from HIV-1. <i>Protein Science</i> , 2009, 11, 546-557.	7.6	108
53	Mapping the Interaction of Pro-Apoptotic tBID with Pro-Survival BCL-XL. <i>Biochemistry</i> , 2009, 48, 8704-8711.	2.5	28
54	Orientation of the <i>Escherichia coli</i> Outer Membrane Protein OmpX in Phospholipid Bilayer Membranes Determined by Solid-State NMR. <i>Biochemistry</i> , 2008, 47, 6531-6538.	2.5	59

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55	Competitive Interactions of Collagen and a Jararhagin-derived Disintegrin Peptide with the Integrin $\alpha 2\beta 1$ Domain. <i>Journal of Biological Chemistry</i> , 2008, 283, 16665-16672.	3.4	21
56	NMR structural studies of the bacterial outer membrane protein OmpX in oriented lipid bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3216-3224.	2.6	29
57	Structure of the Na,K-ATPase Regulatory Protein FXYD1 in Micelles. <i>Biochemistry</i> , 2007, 46, 6774-6783.	2.5	81
58	Structural Similarity of a Membrane Protein in Micelles and Membranes. <i>Journal of the American Chemical Society</i> , 2007, 129, 8078-8079.	13.7	50
59	Mapping the Specific Cytoprotective Interaction of Humanin with the Pro-apoptotic Protein Bid. <i>Chemical Biology and Drug Design</i> , 2007, 70, 383-392.	3.2	17
60	Structures of the FXYD regulatory proteins in lipid micelles and membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 379-383.	2.3	25
61	The Anti-angiogenic Peptide Anginex Disrupts the Cell Membrane. <i>Journal of Molecular Biology</i> , 2006, 356, 876-885.	4.2	20
62	Serine 68 Phosphorylation during Forskolin-Induced Swine Carotid Artery Relaxation. <i>Journal of Vascular Research</i> , 2005, 42, 483-491.	1.4	35
63	NMR Structure Determination of Proteins in Bilayer Lipid Membranes: The FXYD Family Proteins. <i>Behavior Research Methods</i> , 2005, 2, 77-93.	4.0	2
64	Correlation of Gene and Protein Structures in the FXYD Family Proteins. <i>Journal of Molecular Biology</i> , 2005, 354, 743-750.	4.2	16
65	Bcl-XL as a fusion protein for the high-level expression of membrane-associated proteins. <i>Protein Science</i> , 2005, 14, 948-955.	7.6	27
66	Conformation of Membrane-associated Proapoptotic tBid. <i>Journal of Biological Chemistry</i> , 2004, 279, 28954-28960.	3.4	52
67	Structural studies of apoptosis and ion transport regulatory proteins in membranes. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 172-179.	1.9	40
68	Structure Determination of Membrane Proteins by NMR Spectroscopy. <i>Chemical Reviews</i> , 2004, 104, 3587-3606.	47.7	396
69	Simultaneous assignment and structure determination of a membrane protein from NMR orientational restraints. <i>Protein Science</i> , 2003, 12, 403-411.	7.6	183
70	Dipolar Waves Map the Structure and Topology of Helices in Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2003, 125, 8928-8935.	13.7	99
71	Dipolar Waves as NMR Maps of Protein Structure. <i>Journal of the American Chemical Society</i> , 2002, 124, 4206-4207.	13.7	109
72	Using pisa pies to resolve ambiguities in angular constraints from PISEMA spectra of aligned proteins. <i>Journal of Biomolecular NMR</i> , 2002, 23, 239-242.	2.8	27

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73	A Simple Approach to Membrane Protein Secondary Structure and Topology based on NMR Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 994-1003.	0.5	81
74	Nuclear Magnetic Resonance of Membrane-Associated Peptides and Proteins. <i>Methods in Enzymology</i> , 2001, 339, 285-313.	1.0	72
75	A Solid-State NMR Index of Helical Membrane Protein Structure and Topology. <i>Journal of Magnetic Resonance</i> , 2000, 144, 150-155.	2.1	345
76	Orientation of Cecropin A Helices in Phospholipid Bilayers Determined by Solid-State NMR Spectroscopy. <i>Biophysical Journal</i> , 1999, 77, 3152-3155.	0.5	88
77	Surface acoustic wave sensor response and molecular modeling: selective binding of nitrobenzene derivatives to (aminopropyl)triethoxysilane. <i>Analytical Chemistry</i> , 1990, 62, 32-37.	6.5	43