

Fabio Fernandes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1970230/publications.pdf>

Version: 2024-02-01

64
papers

1,473
citations

270111

25
h-index

388640

36
g-index

65
all docs

65
docs citations

65
times ranked

2459
citing authors

#	ARTICLE	IF	CITATIONS
1	SEDSâ€™bBPB pairs direct lateral and septal peptidoglycan synthesis in <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , 2019, 4, 1368-1377.	5.9	77
2	Mixing Block Copolymers with Phospholipids at the Nanoscale: From Hybrid Polymer/Lipid Wormlike Micelles to Vesicles Presenting Lipid Nanodomains. <i>Langmuir</i> , 2017, 33, 1705-1715.	1.6	75
3	Phase Separation and Nanodomain Formation in Hybrid Polymer/Lipid Vesicles. <i>ACS Macro Letters</i> , 2015, 4, 182-186.	2.3	69
4	Role of Helix 0 of the N-BAR Domain in Membrane Curvature Generation. <i>Biophysical Journal</i> , 2008, 94, 3065-3073.	0.2	58
5	Effects of fluorescent probe NBD-PC on the structure, dynamics and phase transition of DPPC. A molecular dynamics and differential scanning calorimetry study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 491-501.	1.4	58
6	Modulation of phase separation at the micron scale and nanoscale in giant polymer/lipid hybrid unilamellar vesicles (GHUVs). <i>Soft Matter</i> , 2017, 13, 627-637.	1.2	57
7	Pdr18 is involved in yeast response to acetic acid stress counteracting the decrease of plasma membrane ergosterol content and order. <i>Scientific Reports</i> , 2018, 8, 7860.	1.6	54
8	Ca ²⁺ induces PI(4,5)P ₂ clusters on lipid bilayers at physiological PI(4,5)P ₂ and Ca ²⁺ concentrations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 822-830.	1.4	47
9	Comparative Transcriptomic Analysis of the <i>Burkholderia cepacia</i> Tyrosine Kinase <i>bceF</i> Mutant Reveals a Role in Tolerance to Stress, Biofilm Formation, and Virulence. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3009-3020.	1.4	45
10	Dependence of M13 Major Coat Protein Oligomerization and Lateral Segregation on Bilayer Composition. <i>Biophysical Journal</i> , 2003, 85, 2430-2441.	0.2	42
11	Quantification of Protein-Lipid Selectivity using FRET: Application to the M13 Major Coat Protein. <i>Biophysical Journal</i> , 2004, 87, 344-352.	0.2	42
12	Quantification of proteinâ€™lipid selectivity using FRET. <i>European Biophysics Journal</i> , 2010, 39, 565-578.	1.2	40
13	Reorganization of lipid domain distribution in giant unilamellar vesicles upon immobilization with different membrane tethers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2605-2615.	1.4	38
14	A combined fluorescence spectroscopy, confocal and 2-photon microscopy approach to re-evaluate the properties of sphingolipid domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2099-2110.	1.4	38
15	Membrane properties of giant polymer and lipid vesicles obtained by electroformation and pva gel-assisted hydration methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 347-353.	2.3	38
16	Absence of clustering of phosphatidylinositol-(4,5)-bisphosphate in fluid phosphatidylcholine. <i>Journal of Lipid Research</i> , 2006, 47, 1521-1525.	2.0	37
17	Cytotoxic bile acids, but not cytoprotective species, inhibit the ordering effect of cholesterol in model membranes at physiologically active concentrations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2152-2163.	1.4	36
18	Deoxycholic acid modulates cell death signaling through changes in mitochondrial membrane properties. <i>Journal of Lipid Research</i> , 2015, 56, 2158-2171.	2.0	36

#	ARTICLE	IF	CITATIONS
19	Biophysical study of human induced Pluripotent Stem Cell-Derived cardiomyocyte structural maturation during long-term culture. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 611-617.	1.0	35
20	Ciprofloxacin interactions with bacterial protein OmpF: Modelling of FRET from a multi-tryptophan protein trimer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2822-2830.	1.4	33
21	Membrane microheterogeneity: Förster resonance energy transfer characterization of lateral membrane domains. <i>European Biophysics Journal</i> , 2010, 39, 589-607.	1.2	33
22	Modulation of membrane properties of lung cancer cells by azurin enhances the sensitivity to EGFR-targeted therapy and decreased β 1 integrin-mediated adhesion. <i>Cell Cycle</i> , 2016, 15, 1415-1424.	1.3	33
23	High performance NIR fluorescent silica nanoparticles for bioimaging. <i>RSC Advances</i> , 2013, 3, 9171.	1.7	29
24	NIR and visible perylene diimide-silica nanoparticles for laser scanning bioimaging. <i>Dyes and Pigments</i> , 2014, 110, 227-234.	2.0	28
25	Characterization of a Squaraine/Chitosan System for Photodynamic Therapy of Cancer. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1212-1220.	1.2	27
26	Yeast adaptive response to acetic acid stress involves structural alterations and increased stiffness of the cell wall. <i>Scientific Reports</i> , 2021, 11, 12652.	1.6	25
27	Azurin interaction with the lipid raft components ganglioside GM-1 and caveolin-1 increases membrane fluidity and sensitivity to anti-cancer drugs. <i>Cell Cycle</i> , 2018, 17, 1649-1666.	1.3	24
28	Improved Parameterization of Phosphatidylinositol Lipid Headgroups for the Martini 3 Coarse-Grain Force Field. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 357-373.	2.3	24
29	The mechanism of action of pepR, a viral-derived peptide, against <i>Staphylococcus aureus</i> biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2617-2625.	1.3	23
30	Silica nanoparticles with thermally activated delayed fluorescence for live cell imaging. <i>Materials Science and Engineering C</i> , 2020, 109, 110528.	3.8	23
31	Characterization of BCAM0224, a Multifunctional Trimeric Autotransporter from the Human Pathogen <i>Burkholderia cenocepacia</i> . <i>Journal of Bacteriology</i> , 2014, 196, 1968-1979.	1.0	20
32	The combination of block copolymers and phospholipids to form giant hybrid unilamellar vesicles (GHUVs) does not systematically lead to intermediate membrane properties. <i>Soft Matter</i> , 2018, 14, 6476-6484.	1.2	20
33	Intrinsically Fluorescent Silica Nanocontainers: A Promising Theranostic Platform. <i>Microscopy and Microanalysis</i> , 2013, 19, 1216-1221.	0.2	19
34	The Tyrosine Kinase BceF and the Phosphotyrosine Phosphatase BceD of <i>Burkholderia contaminans</i> Are Required for Efficient Invasion and Epithelial Disruption of a Cystic Fibrosis Lung Epithelial Cell Line. <i>Infection and Immunity</i> , 2015, 83, 812-821.	1.0	18
35	<i>Staphylococcus aureus</i> haem biosynthesis and acquisition pathways are linked through haem monooxygenase IsdG. <i>Molecular Microbiology</i> , 2018, 109, 385-400.	1.2	18
36	Role of calcium in membrane interactions by PI(4,5)P ₂ -binding proteins. <i>Biochemical Society Transactions</i> , 2014, 42, 1441-1446.	1.6	16

#	ARTICLE	IF	CITATIONS
37	Crosstalk between Yeast Cell Plasma Membrane Ergosterol Content and Cell Wall Stiffness under Acetic Acid Stress Involving Pdr18. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 103.	1.5	15
38	Binding assays of inhibitors towards selected V-ATPase domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1777-1786.	1.4	13
39	Electrostatically driven lipid-protein interaction: Answers from FRET. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1837-1848.	1.4	13
40	Membrane Order Is a Key Regulator of Divalent Cation-Induced Clustering of PI(3,5)P ₂ and PI(4,5)P ₂ . <i>Langmuir</i> , 2017, 33, 12463-12477.	1.6	13
41	Structure and Lateral Organization of Phosphatidylinositol 4,5-bisphosphate. <i>Molecules</i> , 2020, 25, 3885.	1.7	13
42	Quantitative Evaluation of DNA Dissociation from Liposome Carriers and DNA Escape from Endosomes During Lipid-Mediated Gene Delivery. <i>Human Gene Therapy Methods</i> , 2014, 25, 303-313.	2.1	10
43	A Case of Self-Organization in Highly Emissive Eu ^{III} Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3429-3434.	1.0	10
44	Engineering Boron Hot Spots for the Site-Selective Installation of Iminoboronates on Peptide Chains. <i>Chemistry - A European Journal</i> , 2020, 26, 15226-15231.	1.7	8
45	Electrostatically driven lipid-lysozyme mixed fibers display a multilamellar structure without amyloid features. <i>Soft Matter</i> , 2014, 10, 840-850.	1.2	7
46	The Azurin-Derived Peptide CT-p19LC Exhibits Membrane-Active Properties and Induces Cancer Cell Death. <i>Biomedicines</i> , 2021, 9, 1194.	1.4	6
47	Interaction of the Indole Class of Vacuolar H ⁺ -ATPase Inhibitors with Lipid Bilayers. <i>Biochemistry</i> , 2006, 45, 5271-5279.	1.2	5
48	Accurate quantification of inter-domain partition coefficients in GUVs exhibiting lipid phase coexistence. <i>RSC Advances</i> , 2016, 6, 66641-66649.	1.7	5
49	Disclosing azole resistance mechanisms in resistant <i>Candida glabrata</i> strains encoding wild-type or gain-of-function <i>CgPDR1</i> alleles through comparative genomics and transcriptomics. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	5
50	Acyl-chain saturation regulates the order of phosphatidylinositol 4,5-bisphosphate nanodomains. <i>Communications Chemistry</i> , 2021, 4, .	2.0	4
51	The BASHY Platform Enables the Assembly of a Fluorescent Bortezomib-GV1001 Conjugate. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 128-133.	1.3	4
52	New Visible and NIR Highly Photostable Fluorescent Silica Nanoparticles for Laser Scanning Imaging Applications. <i>Microscopy and Microanalysis</i> , 2013, 19, 105-106.	0.2	2
53	The Cytotoxic Bile Acid DCA Modulates Apoptotic Signalling through Alteration of Mitochondrial Membrane Properties. <i>Biophysical Journal</i> , 2015, 108, 242a.	0.2	1
54	First Resonance Energy Transfer as a Tool for Quantification of Protein-Lipid Selectivity. <i>Methods in Molecular Biology</i> , 2019, 2003, 369-382.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Measuring the Impact of Bile Acids on the Membrane Order of Primary Hepatocytes and Isolated Mitochondria by Fluorescence Imaging and Spectroscopy. <i>Methods in Molecular Biology</i> , 2019, 1981, 99-115.	0.4	1
56	Advanced FRET Methodologies: Protein-Lipid Selectivity Detection and Quantification. <i>Advances in Experimental Medicine and Biology</i> , 2012, 749, 171-185.	0.8	1
57	Quantitative FRET Microscopy Reveals a Crucial Role of Cytoskeleton in Promoting PI(4,5)P2 Confinement. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11727.	1.8	1
58	Quantitative Analysis of Domain Formation after Snare Mediated Fusion of Synaptic Vesicles. <i>Biophysical Journal</i> , 2010, 98, 678a.	0.2	0
59	High Affinity Immobilization of Giant Unilamellar Vesicles (GUVs) Induces Redistribution of Lipid Domains. <i>Biophysical Journal</i> , 2012, 102, 295a.	0.2	0
60	The Apoptotic Bile Acid DCA has Preference for Association to Liquid Disordered Lipid Domains and Inhibits the Rigidifying Effect of Cholesterol in Membranes. <i>Biophysical Journal</i> , 2013, 104, 586a.	0.2	0
61	Physiological Calcium Concentrations Induce PI(4,5)P2 Clustering: PI(4,5)P2 as a Lipidic Calcium Sensor. <i>Biophysical Journal</i> , 2013, 104, 372a.	0.2	0
62	Förster Resonance Energy Transfer as a Tool for Quantification of Protein-Lipid Selectivity. <i>Methods in Molecular Biology</i> , 2013, 974, 219-232.	0.4	0
63	P116 INTERACTION OF APOPTOTIC AND CYTOPROTECTIVE BILE ACIDS WITH BIOMEMBRANES. <i>Journal of Hepatology</i> , 2014, 60, S105.	1.8	0
64	Impact of Ca ²⁺ -Induced PI(4,5)P2 Clusters on PH-YFP Organization and Protein-Protein Interactions. <i>Biomolecules</i> , 2022, 12, 912.	1.8	0