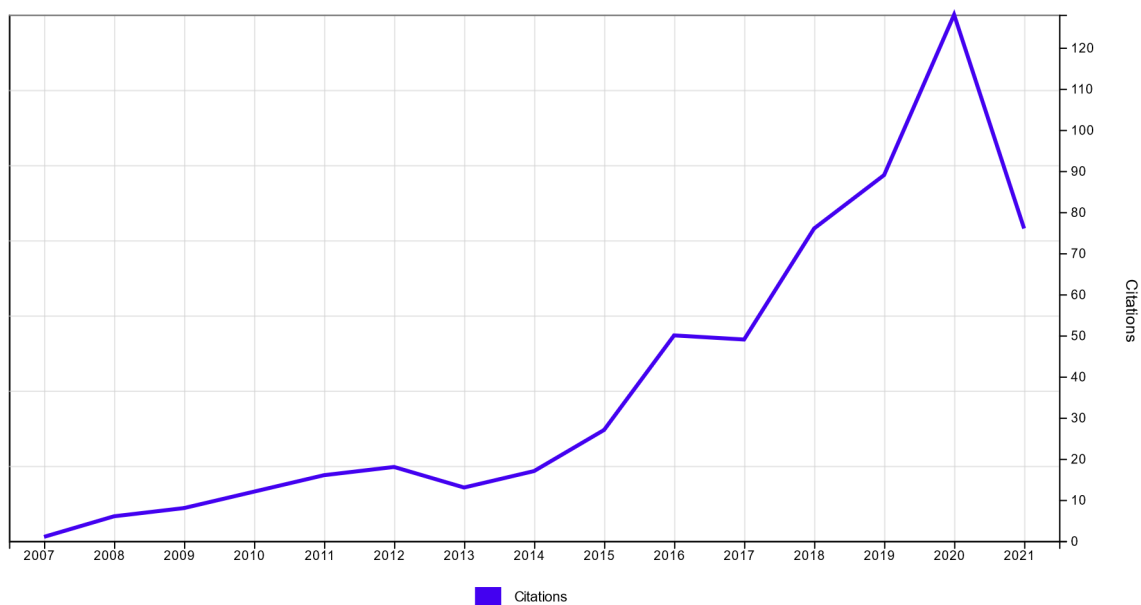
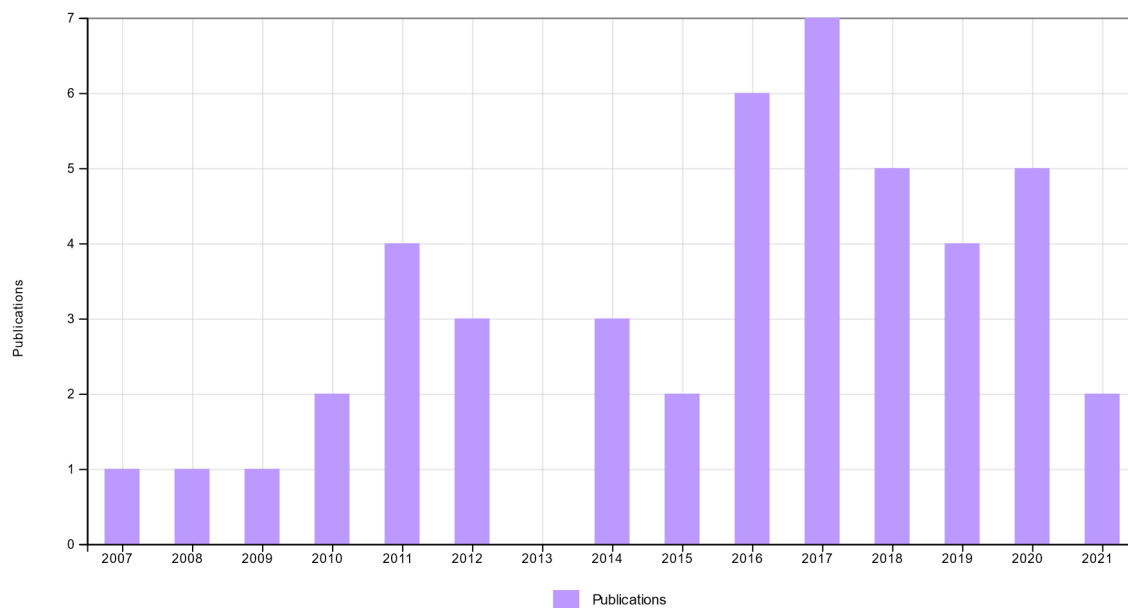


Citation Report (from Web of Science) Radek Šachl



46 Publications		Citations: highest first ▾		< 1 of 1 >		Citations								
						< Back					Forward >		Average per year	Total
						2017	2018	2019	2020	2021				
Total						49	76	89	128	76	39.07	586		
⊖ 1	Membrane Lipid Nanodomains Cebecauer, M; Amaro, M; (...); Hof, M Dec 12 2018 CHEMICAL REVIEWS 118 (23) , pp.11259-11297					0	0	19	22	19	15	60		
⊖ 2	Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore Allolio, C; Magarkar, A; (...); Jungwirth, P Nov 20 2018 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 115 (47) , pp.11923-11928					0	0	12	26	16	13.5	54		
⊖ 3	GM(1) Ganglioside Inhibits beta-Amyloid Oligomerization Induced by Sphingomyelin Amaro, M; Sachl, R; (...); Hof, M Aug 1 2016 ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 55 (32) , pp.9411-9415					9	7	13	11	7	8.17	49		
⊖ 4	Preparation and characterization of self-assembled nanoparticles formed by poly(ethylene oxide)-block-poly(epsilon-caprolactone) copolymers with long poly(epsilon-caprolactone) blocks in aqueous solutions Sachl, R; Uchman, M; (...); Spirkova, M Mar 13 2007 LANGMUIR 23 (6) , pp.3395-3400					1	3	1	2	1	3	45		
⊖ 5	Dynamics and Size of Cross-Linking-Induced Lipid Nanodomains in Model Membranes Steff, M; Sachl, R; (...); Hof, M May 2 2012 BIOPHYSICAL JOURNAL 102 (9) , pp.2104-2113					8	4	1	6	1	3.6	36		
⊖ 6	Time-Resolved Fluorescence in Lipid Bilayers: Selected Applications and Advantages over Steady State Amaro, M; Sachl, R; (...); Hof, M Dec 16 2014 BIOPHYSICAL JOURNAL 107 (12) , pp.2751-2760					5	6	5	1	5	4.25	34		
⊖ 7	Key steps in unconventional secretion of fibroblast growth factor 2 reconstituted with purified components Steringer, JP; Lange, S; (...); Nickel, W Jul 19 2017 ELIFE 6					1	13	5	7	5	6.2	31		

⊖ 8	On multivalent receptor activity of GM1 in cholesterol containing membranes Sachl, R; Amaro, M; (...); Hof, M Apr 2015 BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH 1853 (4) , pp.850-857	7	7	6	4	0	4.43	31
⊖ 9	Fluorescence study of the solvation of fluorescent probes prodan and laurdan in poly(epsilon-caprolactone)-block-poly(ethylene oxide) vesicles in aqueous solutions with tetrahydrofuran Sachl, R; Stepanek, M; (...); Hof, M Jan 1 2008 LANGMUIR 24 (1) , pp.288-295	2	0	1	2	3	2.21	31
⊖ 10	Localisation of BODIPY-labelled phosphatidylcholines in lipid bilayers Sachl, R; Boldyrev, I and Johansson, LBA 2010 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 12 (23) , pp.6027-6034	0	3	1	0	0	1.92	23
⊖ 11	Limitations of Electronic Energy Transfer in the Determination of Lipid Nanodomain Sizes Sachl, R; Humpolickova, J; (...); Hof, M Dec 7 2011 BIOPHYSICAL JOURNAL 101 (11) , pp.L60-L62	3	1	1	4	0	2	22
⊖ 12	The lateral distance between a proton pump and ATP synthase determines the ATP-synthesis rate Sjoholm, J; Bergstrand, J; (...); Brzezinski, P Jun 7 2017 SCIENTIFIC REPORTS 7	0	5	3	10	2	4	20
⊖ 13	Lipid Driven Nanodomains in Giant Lipid Vesicles are Fluid and Disordered Koukalova, A; Amaro, M; (...); Sachl, R Jul 14 2017 SCIENTIFIC REPORTS 7	1	5	4	4	2	3.2	16
⊖ 14	Fluorescence correlation spectroscopy diffusion laws in the presence of moving nanodomains Sachl, R; Bergstrand, J; (...); Hof, M Mar 23 2016 JOURNAL OF PHYSICS D-APPLIED PHYSICS 49 (11)	4	6	0	3	1	2.67	16
⊖ 15	Comprehensive portrait of cholesterol containing oxidized membrane Steff, M; Sachl, R; (...); Hof, M Jul 2014 BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1838 (7) , pp.1769-1776	1	1	2	2	2	2	16

16	Apoptotic Bax at Oxidatively Stressed Mitochondrial Membranes: Lipid Dynamics and Permeabilization Dingeldein, APG; Pokorna, S; (...); Grobner, G May 23 2017 BIOPHYSICAL JOURNAL 112 (10) , pp.2147-2158	0	7	5	1	0	2.6	13
17	Biomembrane Permeabilization: Statistics of Individual Leakage Events Harmonize the Interpretation of Vesicle Leakage Braun, S; Pokorna, S; (...); Hoernke, M Jan 2018 ACS NANO 12 (1) , pp.813-819	0	2	3	3	2	2.5	10
18	The oxidized phospholipid PazePC promotes permeabilization of mitochondrial membranes by Bax Lidman, M; Pokorna, S; (...); Grobner, G Jun 2016 BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1858 (6) , pp.1288-1297	2	3	2	1	2	1.67	10
19	Di- and tri-oxalkyl derivatives of a boron dipyrromethene (BODIPY) rotor dye in lipid bilayers Olsinova, M; Jurkiewicz, P; (...); Cebecauer, M 2014 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 16 (22) , pp.10688-10697	1	0	1	1	0	1.13	9
20	Forster Resonance Energy Transfer (FRET) between Heterogeneously Distributed Probes: Application to Lipid Nanodomains and Pores Sachl, R; Johansson, LBA and Hof, M Dec 2012 INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 13 (12) , pp.16141-16156	2	3	2	2	0	0.9	9
21	Fluorescence Spectroscopy as a Tool for Investigating the Self-Organized Polyelectrolyte Systems Prochazka, K; Limpouchova, Z; (...); Hof, M 2011 SELF ORGANIZED NANOSTRUCTURES OF AMPHIPHILIC BLOCK COPOLYMERS 241 , pp.187-249	0	0	0	0	0	0.73	8
22	Distribution of BODIPY-labelled phosphatidylethanolamines in lipid bilayers exhibiting different curvatures Sachl, R; Mikhalyov, I; (...); Johansson, LBA 2011 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 13 (24) , pp.11694-11701	1	0	0	0	0	0.73	8
23	A comparative study on ganglioside micelles using electronic energy transfer, fluorescence correlation spectroscopy and light scattering techniques Sachl, R; Mikhalyov, I; (...); Johansson, LBA 2009 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 11 (21) , pp.4335-4343	1	0	0	1	0	0.62	8
24	Experimental Evidence of the Existence of Interleaflet Coupled Nanodomains: An MC-FRET Study Vinklarek, IS; Vel'as, I; (...); Sachl, R May 2 2019 JOURNAL OF PHYSICAL CHEMISTRY LETTERS 10 (9) , pp.2024-2030	0	0	0	5	1	2	6
25	Regulation of Cell Death by Mitochondrial Transport Systems of Calcium and Bcl-2 Proteins Naumova, N and Sachl, R Oct 2020 MEMBRANES 10 (10)	0	0	0	0	5	2.5	5
26	Distinct roles of SNARE-mimicking lipopeptides during initial steps of membrane fusion Koukalova, A; Pokorna, S; (...); Sachl, R Oct 28 2018 NANOSCALE 10 (40) , pp.19064-19073	0	0	2	3	0	1.25	5
27	Interleaflet Coupling of Lipid Nanodomains - Insights From in vitro Systems Sarmiento, MJ; Hof, M and Sachl, R Apr 28 2020 FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY 8	0	0	0	2	1	1.5	3
28	Organization of gangliosides into membrane nanodomains Sarmiento, MJ; Ricardo, JC; (...); Sachl, R Nov 2020 Jul 2020 (Early Access) FEBS LETTERS 594 (22) , pp.3668-3697	0	0	0	1	1	1	2
29	Force Field Comparison of GM1 in a DOPC Bilayer Validated with AFM and FRET Experiments Owen, MC; Karner, A; (...); Vacha, R Sep 5 2019 JOURNAL OF PHYSICAL CHEMISTRY B 123 (35) , pp.7504-7517	0	0	0	2	0	0.67	2
30	Controlled Peptide-Mediated Vesicle Fusion Assessed by Simultaneous Dual-Colour Time-Lapsed Fluorescence Microscopy Mora, NL; Boyle, AL; (...); Kros, A Feb 20 2020 SCIENTIFIC REPORTS 10 (1)	0	0	0	1	0	0.5	1

31	Fluorescence correlation spectroscopy diffusion laws in the presence of moving nanodomains (vol 49, 114002, 2016) Sachl, R; Bergstrand, J; (...); Hof, M May 11 2016 JOURNAL OF PHYSICS D-APPLIED PHYSICS 49 (18)	0	0	0	1	0	0.17	1
32	Locations and Reorientations of Multi-Ring-Fused 2-Pyridones in Ganglioside G(M1) Micelles Sachl, R; Rosenbaum, E; (...); Johansson, LBA Mar 1 2011 LANGMUIR 27 (5) , pp.1662-1667	0	0	0	0	0	0.09	1
33	Solvent relaxation studies applied to stimuli-responsive core-shell nanoparticles Prochazka, K; Matejcek, P; (...); Schroder, J Conference on Single Molecule Spectroscopy and Imaging III 2010 SINGLE MOLECULE SPECTROSCOPY AND IMAGING III 7571	0	0	0	0	0	0.08	1
34	Optical Near-Field Electron Microscopy Marchand, B; Sachl, R; (...); Juffmann, T Jul 6 2021 PHYSICAL REVIEW APPLIED 16 (1)	0	0	0	0	0	0	0
35	Hidden complexity in membrane permeabilization behavior of antimicrobial polycations Shi, S; Quarta, N; (...); Hoernke, M Jan 14 2021 PHYSICAL CHEMISTRY CHEMICAL PHYSICS 23 (2) , pp.1475-1488	0	0	0	0	0	0	0
36	Functional Assay to Correlate Protein Oligomerization States with Membrane Pore Formation Sachl, R; Cuijova, S; (...); Nickel, W Nov 17 2020 ANALYTICAL CHEMISTRY 92 (22) , pp.14861-14866	0	0	0	0	0	0	0
37	CD8 Binding of MHC-Peptide Complexes in cis or trans Regulates CD8(+) T-cell Responses Liu, Y; Cuendet, MA; (...); Luescher, JF Dec 6 2019 JOURNAL OF MOLECULAR BIOLOGY 431 (24) , pp.4941-4958	0	0	0	0	0	0	0
38	Fluorescence Studies of Lipid Distribution in Bilayers under Oxidative Stress Alam, MK; Vinklarek, J; (...); Sachl, R 63rd Annual Meeting of the Biophysical-Society Feb 15 2019 BIOPHYSICAL JOURNAL 116 (3) , pp.508A-508A	0	0	0	0	0	0	0

39	Oxidatively Stressed Mitochondrial Membranes: Insight into their Organization and Function during Apoptosis Dingeldein, APG; Sparrman, T; (...); Grobner, G 62nd Annual Meeting of the Biophysical-Society Feb 2 2018 BIOPHYSICAL JOURNAL 114 (3) , pp.33A-33A	0	0	0	0	0	0	0
40	GUV and LUV Leakage: How All-Or-None and Graded Leakage Scale with Vesicle Size Braun, S; Pokorna, S; (...); Hoernke, M 58th Annual Meeting of the Biophysical-Society Feb 3 2017 BIOPHYSICAL JOURNAL 112 (3) , pp.527A-527A	0	0	0	0	0	0	0
41	Mitochondrial Membrane Organization in Regulation of Apoptosis Dingeldein, A; Aden, J; (...); Grobner, G 58th Annual Meeting of the Biophysical-Society Feb 3 2017 BIOPHYSICAL JOURNAL 112 (3) , pp.224A-224A	0	0	0	0	0	0	0
42	Oxidized Lipids: Their Role in Regulation of Mitochondrial Apoptosis Dingeldein, A; Aden, J; (...); Grobner, G 58th Annual Meeting of the Biophysical-Society Feb 3 2017 BIOPHYSICAL JOURNAL 112 (3) , pp.478A-478A	0	0	0	0	0	0	0
43	The Role of Lipids in Regulation of Programmed Cell Death Lidman, M; Dingeldein, A; (...); Grobner, G 60th Annual Meeting of the Biophysical-Society Feb 16 2016 BIOPHYSICAL JOURNAL 110 (3) , pp.473A-473A	0	0	0	0	0	0	0
44	Heterogeneous Lipid Distributions in Membranes as Revealed by Electronic Energy Transfer Sachl, R and Johansson, LBA 2016 REVIEWS IN FLUORESCENCE 2015 8 , pp.171-187	0	0	0	0	0	0	0
45	Nature and Size of Ganglioside GM1 Nano-Domains in Lipid Bilayers as Revealed by Advanced Time-Resolved Fluorescence Techniques Sachl, R; Amaro, M; (...); Hof, M Jan 27 2015 BIOPHYSICAL JOURNAL 108 (2) , pp.79A-79A	0	0	0	0	0	0	0

46	Dynamics and Size of Crosslinking-Induced Lipid Nanodomains in Model Membranes Humpolickova, J; Stefl, M; (...); Hof, M 56th Annual Meeting of the Biophysical-Society	0	0	0	0	0	0	0
----	--	---	---	---	---	---	---	---