

# Ingo KÄpper

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5235735/publications.pdf>

Version: 2024-02-01

66  
papers

2,366  
citations

201575

27  
h-index

214721

47  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tethered Lipid Bilayers on Ultraflat Gold Surfaces. <i>Langmuir</i> , 2003, 19, 5435-5443.	1.6	251
2	Membrane on a Chip: A Functional Tethered Lipid Bilayer Membrane on Silicon Oxide Surfaces. <i>Biophysical Journal</i> , 2005, 89, 1780-1788.	0.2	170
3	Tethered bimolecular lipid membranes—A novel model membrane platform. <i>Electrochimica Acta</i> , 2008, 53, 6680-6689.	2.6	109
4	Soft and Hard Interactions between Polystyrene Nanoplastics and Human Serum Albumin Protein Corona. <i>Bioconjugate Chemistry</i> , 2019, 30, 1067-1076.	1.8	96
5	As flat as it gets: ultrasmooth surfaces from template-stripping procedures. <i>Nanoscale</i> , 2012, 4, 3820.	2.8	94
6	Insulating tethered bilayer lipid membranes to study membrane proteins. <i>Molecular BioSystems</i> , 2007, 3, 651.	2.9	89
7	Tethered and Polymer Supported Bilayer Lipid Membranes: Structure and Function. <i>Membranes</i> , 2016, 6, 30.	1.4	78
8	Incorporation of $\beta$ -Hemolysin in Different Tethered Bilayer Lipid Membrane Architectures. <i>Langmuir</i> , 2008, 24, 496-502.	1.6	75
9	Stable insulating tethered bilayer lipid membranes. <i>Biointerphases</i> , 2008, 3, FA68-FA73.	0.6	72
10	Structural Analysis of Tethered Bilayer Lipid Membranes. <i>Langmuir</i> , 2010, 26, 11035-11040.	1.6	66
11	Membrane—drug interactions studied using model membrane systems. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 714-718.	1.8	64
12	A Molecular Toolkit for Highly Insulating Tethered Bilayer Lipid Membranes on Various Substrates. <i>Bioconjugate Chemistry</i> , 2006, 17, 631-637.	1.8	60
13	Functional Ion Channels in Tethered Bilayer Membranes—Implications for Biosensors. <i>ChemBioChem</i> , 2007, 8, 1246-1250.	1.3	59
14	Functional incorporation of the pore forming segment of AChR M2 into tethered bilayer lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1114-1120.	1.4	54
15	Reusable Localized Surface Plasmon Sensors Based on Ultrastable Nanostructures. <i>Small</i> , 2010, 6, 104-109.	5.2	54
16	Reviewing nanoplastic toxicology: It's an interface problem. <i>Advances in Colloid and Interface Science</i> , 2021, 288, 102337.	7.0	52
17	Formation of tethered bilayer lipid membranes probed by various surface sensitive techniques. <i>Biointerphases</i> , 2009, 4, 19-26.	0.6	47
18	Vesicle Adsorption and Phospholipid Bilayer Formation on Topographically and Chemically Nanostructured Surfaces. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4623-4631.	1.2	42

#	ARTICLE	IF	CITATIONS
19	Biomedical applications of polyelectrolyte coated spherical gold nanoparticles. <i>Nano Convergence</i> , 2019, 6, 11.	6.3	42
20	Polyelectrolyte-Coated Gold Nanoparticles: The Effect of Salt and Polyelectrolyte Concentration on Colloidal Stability. <i>Polymers</i> , 2018, 10, 1336.	2.0	41
21	Tethered Membrane Architectures—Design and Applications. <i>Frontiers in Materials</i> , 2018, 5, .	1.2	41
22	A tethered bilayer lipid membrane that mimics microbial membranes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12958-12969.	1.3	36
23	Adsorption and Conformation Behavior of Biotinylated Fibronectin on Streptavidin-Modified TiO <sub>2</sub> Surfaces Studied by SPR and AFM. <i>Langmuir</i> , 2011, 27, 7743-7751.	1.6	35
24	Tethered bilayer lipid membranes with giga-ohm resistances. <i>Electrochemistry Communications</i> , 2008, 10, 323-328.	2.3	33
25	Structure of soft and hard protein corona around polystyrene nanoparticles—Particle size and protein types. <i>Biointerphases</i> , 2020, 15, 051002.	0.6	30
26	Functional Tethered Bilayer Lipid Membranes on Aluminum Oxide. <i>ChemPhysChem</i> , 2008, 9, 1920-1924.	1.0	28
27	Assembly of the M2 Tetramer Is Strongly Modulated by Lipid Chain Length. <i>Biophysical Journal</i> , 2010, 99, 1810-1817.	0.2	28
28	Cellular interactions with polystyrene nanoparticles—The role of particle size and protein corona. <i>Biointerphases</i> , 2021, 16, 041001.	0.6	28
29	Dynamics of propylene glycol and its 7-mer by neutron scattering. <i>Journal of Chemical Physics</i> , 2002, 116, 5073.	1.2	27
30	Cell-Free Synthesis of a Functional Membrane Transporter into a Tethered Bilayer Lipid Membrane. <i>Langmuir</i> , 2016, 32, 2445-2449.	1.6	25
31	Laterally Patterned Ultraflat Surfaces. <i>Small</i> , 2009, 5, 821-825.	5.2	24
32	Interaction of Silver Nanoparticles with Tethered Bilayer Lipid Membranes. <i>Langmuir</i> , 2015, 31, 5868-5874.	1.6	23
33	Synthesis and Characterization of Novel Anchorlipids for Tethered Bilayer Lipid Membranes. <i>Langmuir</i> , 2017, 33, 4444-4451.	1.6	23
34	Probing Protein—Membrane Interactions Using Solid Supported Membranes. <i>Langmuir</i> , 2011, 27, 2709-2716.	1.6	22
35	Synthesis and characterization of bifunctional dendrimers: preliminary use for the coating of gold surfaces and the proliferation of human osteoblasts (HOB). <i>New Journal of Chemistry</i> , 2015, 39, 7194-7205.	1.4	22
36	Model architectures for bacterial membranes. <i>Biophysical Reviews</i> , 2022, 14, 111-143.	1.5	22

#	ARTICLE	IF	CITATIONS
37	Nanoscale Patterning of Solid-Supported Membranes by Integrated Diffusion Barriers. <i>Langmuir</i> , 2011, 27, 7008-7015.	1.6	21
38	Antibiotic delivery using gold nanoparticles. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	20
39	Dynamics from picoseconds to nanoseconds of trehalose in aqueous solutions as seen by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2005, 122, 014514.	1.2	19
40	Promotion of Osteogenic Cell Response Using Quasicovalent Immobilized Fibronectin on Titanium Surfaces: Introduction of a Novel Biomimetic Layer System. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 1827-1834.	0.5	19
41	Dendron growth from vertically aligned single-walled carbon nanotube thin layer arrays for photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6059.	1.3	18
42	Dynamics of C-phycoerythrin in various deuterated trehalose/water environments measured by quasielastic and elastic neutron scattering. <i>European Biophysics Journal</i> , 2008, 37, 739-748.	1.2	17
43	Chapter 2 Functional Tethered Bimolecular Lipid Membranes (tBLMs). <i>Behavior Research Methods</i> , 2006, , 37-53.	2.3	15
44	Protein-Lipid Interactions at the Air-Water Interface. <i>Langmuir</i> , 2010, 26, 12049-12053.	1.6	15
45	Oxidative Damage to Biomimetic Membrane Systems: In Situ Fe(II)/Ascorbate Initiated Oxidation and Incorporation of Synthetic Oxidized Phospholipids. <i>Langmuir</i> , 2015, 31, 12679-12687.	1.6	15
46	Biocompatible anti-microbial coatings for urinary catheters. <i>RSC Advances</i> , 2016, 6, 53303-53309.	1.7	15
47	Solid-supported lipid bilayers – A versatile tool for the structural and functional characterization of membrane proteins. <i>Methods</i> , 2020, 180, 56-68.	1.9	14
48	The Membrane Composition Defines the Spatial Organization and Function of a Major <i>Acinetobacter baumannii</i> Drug Efflux System. <i>MBio</i> , 2021, 12, e0107021.	1.8	14
49	Streptavidin-coated TiO <sub>2</sub> surfaces are biologically inert: Protein adsorption and osteoblast adhesion studies. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 388-395.	2.1	13
50	Interaction of a synthetic antimicrobial peptide with a model bilayer platform mimicking bacterial membranes. <i>Biointerphases</i> , 2017, 12, 04E404.	0.6	11
51	Investigating the Structure of Self-Assembled Monolayers Related to Biological Cell Membranes. <i>Langmuir</i> , 2019, 35, 14213-14221.	1.6	11
52	Nanoparticles in an antibiotic-loaded nanomesh for drug delivery. <i>RSC Advances</i> , 2019, 9, 30064-30070.	1.7	9
53	Hindered protein dynamics in the presence of a cryoprotecting agent. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1257-s1259.	1.1	8
54	In situ monitoring of the effect of ionic strength and pH on plasma polymer thin films. <i>Plasma Processes and Polymers</i> , 2017, 14, 1700084.	1.6	7

#	ARTICLE	IF	CITATIONS
55	Dye functionalisation of PAMAM-type dendrons grown from vertically aligned single-walled carbon nanotube arrays for light harvesting antennae. <i>Journal of Materials Chemistry</i> , 2011, 21, 18597.	6.7	6
56	Membrane-Based Sensing Approaches. <i>Australian Journal of Chemistry</i> , 2011, 64, 54.	0.5	6
57	Anchor-Lipid Monolayers at the Air-Water Interface; Prearranging of Model Membrane Systems. <i>Langmuir</i> , 2007, 23, 7672-7678.	1.6	5
58	Photocurrent response from vertically aligned single-walled carbon nanotube arrays. , 2010, , .		5
59	Increasing Antibiotic Susceptibility: The Use of Cationic Gold Nanoparticles in Gram-Negative Bacterial Membrane Models. <i>Langmuir</i> , 2021, 37, 9735-9743.	1.6	5
60	Functional tethered bilayer membranes as a biosensor platform. , 2005, , .		3
61	CMOS based capacitive biosensor with integrated tethered bilayer lipid membrane for real-time measurements. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	3
62	Solid-Supported Bilayer Lipid Membranes. , 0, , 221-232.		3
63	Biomimetic Membranes. , 2019, , 49-64.		2
64	Comparing Surface Plasmon-Optical and Electronic Immuno-Sensing of Affinity Interactions—A Case Study. <i>Chemosensors</i> , 2021, 9, 11.	1.8	2
65	Preface. <i>Biointerphases</i> , 2008, 3, FA1-FA2.	0.6	1
66	Ion Channels in Tethered Bilayer Lipid Membranes on Au Electrodes. <i>Nanostructure Science and Technology</i> , 2009, , 211-223.	0.1	1