

# Reinhard Hh Neubert

## List of Publications by Year in descending order

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62  
papers

2,161  
citations

201674

27  
h-index

233421

45  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerosomes as skin repairing agent: Mode of action studies with a model stratum corneum layer at liquid/air and liquid/solid interfaces. <i>BBA Advances</i> , 2022, 2, 100039.	1.6	7
2	Dermal and transdermal peptide delivery using enhancer molecules and colloidal carrier systems. Part V: Transdermal administration of insulin. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121511.	5.2	4
3	IS MERCERIZATION THE ONLY FACTOR FOR (PARTIAL) POLYMORPHIC TRANSITION OF CELLULOSE I TO CELLULOSE II IN CELLULOSE NANOCRYSTALS?. <i>Cellulose Chemistry and Technology</i> , 2022, 56, 495-507.	1.2	1
4	Investigating the nanostructure of a CER[NP]/CER[AP]-based stratum corneum lipid matrix model: A combined neutron diffraction & molecular dynamics simulations approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 184007.	2.6	5
5	Structural characterization of plant glucosylceramides and the corresponding ceramides by UHPLC-LTQ-Orbitrap mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113677.	2.8	10
6	Non-ionic surfactants as innovative skin penetration enhancers: insight in the mechanism of interaction with simple 2D stratum corneum model system. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105620.	4.0	19
7	Investigation of ex vivo Skin Penetration of Coenzyme Q10 from Microemulsions and Hydrophilic Cream. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 1-7.	2.5	3
8	State of the Art in Stratum Corneum Research. Part II: Hypothetical Stratum Corneum Lipid Matrix Models. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 213-230.	2.5	21
9	Extraction and characterization of celluloses from various plant byproducts. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 1248-1258.	7.5	61
10	The long periodicity phase (LPP) controversy part I: The influence of a natural-like ratio of the CER[EOS] analogue [EOS]-br in a CER[NP]/[AP] based stratum corneum modelling system: A neutron diffraction study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 306-315.	2.6	19
11	Dermal peptide delivery using enhancer molecules and colloidal carrier systems. Part II: Tetrapeptide PKEK. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 28-33.	4.3	21
12	Delivery of oat-derived phytoceramides into the stratum corneum of the skin using nanocarriers: Formulation, characterization and in vitro and ex-vivo penetration studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 260-269.	4.3	27
13	State of the art in Stratum Corneum research: The biophysical properties of ceramides. <i>Chemistry and Physics of Lipids</i> , 2018, 216, 91-103.	3.2	37
14	The role of chelating agents and amino acids in preventing free radical formation in bleaching systems. <i>Free Radical Biology and Medicine</i> , 2018, 129, 194-201.	2.9	8
15	Dermal peptide delivery using enhancer molecules and colloidal carrier systems. Part III: Tetrapeptide GEKG. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 137-144.	4.0	14
16	Impact of the ceramide subspecies on the nanostructure of stratum corneum lipids using neutron scattering and molecular dynamics simulations. Part I: impact of CER[NS]. <i>Chemistry and Physics of Lipids</i> , 2018, 214, 58-68.	3.2	24
17	Influence of the penetration enhancer isopropyl myristate on stratum corneum lipid model membranes revealed by neutron diffraction and 2H NMR experiments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 745-755.	2.6	39
18	Potential Applications of Phyto-Derived Ceramides in Improving Epidermal Barrier Function. <i>Skin Pharmacology and Physiology</i> , 2017, 30, 115-138.	2.5	58

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19	Synthesis of specific deuterated derivatives of the long chained stratum corneum lipids [EOS] and [EOP] and characterization using neutron scattering. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 316-330.	1.0	6
20	Isolation and structural characterization of glucosylceramides from Ethiopian plants by LC/APCI-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 141, 241-249.	2.8	12
21	Synthesis of specifically deuterated ceramide [AP]-C18 and its biophysical characterization using neutron diffraction. <i>Chemistry and Physics of Lipids</i> , 2017, 204, 15-24.	3.2	5
22	Sucrose esters as biocompatible surfactants for penetration enhancement: An insight into the mechanism of penetration enhancement studied using stratum corneum model lipids and Langmuir monolayers. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 161-172.	4.0	14
23	Potential application of oat-derived ceramides in improving skin barrier function: Part 1. Isolation and structural characterization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1065-1066, 87-95.	2.3	13
24	Determination of the influence of C24 D/(2R)- and L/(2S)-isomers of the CER[AP] on the lamellar structure of stratum corneum model systems using neutron diffraction. <i>Chemistry and Physics of Lipids</i> , 2017, 209, 29-36.	3.2	12
25	Localization of methyl-branched ceramide [EOS] species within the long-periodicity phase in stratum corneum lipid model membranes: A neutron diffraction study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2911-2922.	2.6	19
26	Synthesis of ceramides NS and NP with perdeuterated and specifically $\delta$ deuterated $\epsilon$ -acyl residues. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 531-542.	1.0	8
27	Controlled Penetration of a Novel Dimeric Ceramide into and across the Stratum Corneum Using Microemulsions and Various Types of Semisolid Formulations. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 130-134.	2.5	10
28	Study of the effect of mixing approach on cross-linking efficiency of hyaluronic acid-based hydrogel cross-linked with 1,4-butanediol diglycidyl ether. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 91, 131-137.	4.0	27
29	Development and characterization of microemulsions containing hyaluronic acid. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 86, 84-90.	4.0	14
30	Fabrication of acetylated dioscorea starch nanoparticles: Optimization of formulation and process variables. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 31, 83-92.	3.0	21
31	Evaluation of in-vitro degradation rate of hyaluronic acid-based hydrogel cross-linked with 1,4-butanediol diglycidyl ether (BDDE) using RP-HPLC and UV-Vis spectroscopy. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 29, 24-30.	3.0	13
32	Skin Diseases Associated with the Depletion of Stratum Corneum Lipids and Stratum Corneum Lipid Substitution Therapy. <i>Skin Pharmacology and Physiology</i> , 2015, 28, 42-55.	2.5	153
33	Controlled nail delivery of a novel lipophilic antifungal agent using various modern drug carrier systems as well as in vitro and ex vivo model systems. <i>Journal of Controlled Release</i> , 2014, 180, 60-70.	9.9	39
34	Controlled penetration of ceramides into and across the stratum corneum using various types of microemulsions and formulation associated toxicity studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 244-250.	4.3	36
35	Polyglycerol fatty acid ester surfactant-based microemulsions for targeted delivery of ceramide AP into the stratum corneum: Formulation, characterisation, in vitro release and penetration investigation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 139-150.	4.3	37
36	Development and validation of LC/ESI-MS method for the detection and quantification of exogenous ceramide NP in stratum corneum and other layers of the skin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 60, 7-13.	2.8	17

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37	Potentials of new nanocarriers for dermal and transdermal drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 1-2.	4.3	198
38	Lipophilic penetration enhancers and their impact to the bilayer structure of stratum corneum lipid model membranes: Neutron diffraction studies based on the example Oleic Acid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2798-2806.	2.6	53
39	Dermal targeting of tacrolimus using colloidal carrier systems. <i>International Journal of Pharmaceutics</i> , 2011, 404, 159-168.	5.2	67
40	Impact of the long chain $\Omega$ -acylceramides on the stratum corneum lipid nanostructure. Part 1: Thermotropic phase behaviour of CER[EOS] and CER[EOP] studied using X-ray powder diffraction and FT-Raman spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 42-50.	3.2	27
41	Dermal targeting using colloidal carrier systems with linoleic acid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 162-172.	4.3	31
42	Normal phase liquid chromatography coupled to quadrupole time of flight atmospheric pressure chemical ionization mass spectrometry for separation, detection and mass spectrometric profiling of neutral sphingolipids and cholesterol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2976-2982.	2.3	54
43	Dermal and transdermal targeting of dihydroavenanthramide D using enhancer molecules and novel microemulsions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 552-560.	4.3	31
44	Evidence of free fatty acid interdigitation in stratum corneum model membranes based on ceramide [AP] by deuterium labelling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 2194-2203.	2.6	45
45	Basic Nanostructure of Stratum Corneum Lipid Matrices Based on Ceramides [EOS] and [AP]: A Neutron Diffraction Study. <i>Biophysical Journal</i> , 2009, 97, 1104-1114.	0.5	73
46	Microemulsions – Modern Colloidal Carrier for Dermal and Transdermal Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 603-631.	3.3	218
47	Dermal Peptide Delivery Using Colloidal Carrier Systems. <i>Skin Pharmacology and Physiology</i> , 2008, 21, 3-9.	2.5	22
48	Microemulsions as Colloidal Vehicle Systems for Dermal Drug Delivery. Part V: Microemulsions without and with Glycolipid as Penetration Enhancer. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 821-827.	3.3	21
49	Hydration properties of N-( $\pm$ -hydroxyacyl)-sphingosine: X-ray powder diffraction and FT-Raman spectroscopic studies. <i>Chemistry and Physics of Lipids</i> , 2005, 136, 13-22.	3.2	14
50	Microemulsions for Dermal Drug Delivery Studied by Dynamic Light Scattering: Effect of Interparticle Interactions in Oil-in-Water Microemulsions. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 730-738.	3.3	29
51	Polymorphism of ceramide 3. Part 1: an investigation focused on the head group of N-octadecanoylphytosphingosine. <i>Chemistry and Physics of Lipids</i> , 2003, 123, 9-17.	3.2	41
52	Polymorphism of ceramide 3. Part 2: a vibrational spectroscopic and X-ray powder diffraction investigation of N-octadecanoyl phytosphingosine and the analogous specifically deuterated d35 derivative. <i>Chemistry and Physics of Lipids</i> , 2003, 124, 89-101.	3.2	39
53	Normal-phase liquid chromatographic separation of stratum corneum ceramides with detection by evaporative light scattering and atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2003, 492, 233-239.	5.4	24
54	Characterization of enzymatically digested hyaluronic acid using NMR, Raman, IR, and UV-Vis spectroscopies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 545-550.	2.8	111

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55	The release profiles of intact and enzymatically digested hyaluronic acid from semisolid formulations using multi-layer membrane system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 56, 37-41.	4.3	7
56	Improved procedure for the separation of major stratum corneum lipids by means of automated multiple development thin-layer chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 780, 443-450.	2.3	42
57	Determination of CMC of sodium glucocorticoides hemisuccinates by CE. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 869-873.	2.8	6
58	New approaches for quantifying hyaluronic acid in pharmaceutical semisolid formulations using HPLC and CZE. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 913-919.	2.8	30
59	Liquid chromatography-electrospray mass spectrometry and tandem mass spectrometry of ceramides. <i>Analytica Chimica Acta</i> , 2000, 403, 295-303.	5.4	72
60	Investigation of drug release from suspension using FTIR-ATR technique: part I. Determination of effective diffusion coefficient of drugs. <i>International Journal of Pharmaceutics</i> , 2000, 204, 145-150.	5.2	28
61	Experimental Determination and Mathematical Modelling of Propylene Glycol Transport from Semisolid Vehicles.. <i>Chemical and Pharmaceutical Bulletin</i> , 1996, 44, 1263-1266.	1.3	8
62	A multilayer membrane system for modelling drug penetration into skin. <i>International Journal of Pharmaceutics</i> , 1991, 75, 89-94.	5.2	36