Reinhard Hh Neubert

List of Publications by Year
in descending order

62	2,161	201674 27	233421 45
papers	citations	h-index	g-index

62	62	62	2388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microemulsionsâ€"Modern Colloidal Carrier for Dermal and Transdermal Drug Delivery. Journal of Pharmaceutical Sciences, 2008, 97, 603-631.	3.3	218
2	Potentials of new nanocarriers for dermal and transdermal drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 1-2.	4.3	198
3	Skin Diseases Associated with the Depletion of Stratum Corneum Lipids and Stratum Corneum Lipid Substitution Therapy. Skin Pharmacology and Physiology, 2015, 28, 42-55.	2.5	153
4	Characterization of enzymatically digested hyaluronic acid using NMR, Raman, IR, and UVâ€"Vis spectroscopies. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 545-550.	2.8	111
5	Basic Nanostructure of Stratum Corneum Lipid Matrices Based on Ceramides [EOS] and [AP]: A Neutron Diffraction Study. Biophysical Journal, 2009, 97, 1104-1114.	0.5	73
6	Liquid chromatographyâ€"electrospray mass spectrometry and tandem mass spectrometry of ceramides. Analytica Chimica Acta, 2000, 403, 295-303.	5.4	72
7	Dermal targeting of tacrolimus using colloidal carrier systems. International Journal of Pharmaceutics, 2011, 404, 159-168.	5.2	67
8	Extraction and characterization of celluloses from various plant byproducts. International Journal of Biological Macromolecules, 2020, 158, 1248-1258.	7.5	61
9	Potential Applications of Phyto-Derived Ceramides in Improving Epidermal Barrier Function. Skin Pharmacology and Physiology, 2017, 30, 115-138.	2.5	58
10	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2976-2982.	2.3	54
11	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. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2798-2806.	2.6	53
12	Evidence of free fatty acid interdigitation in stratum corneum model membranes based on ceramide [AP] by deuterium labelling. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2194-2203.	2.6	45
13	Improved procedure for the separation of major stratum corneum lipids by means of automated multiple development thin-layer chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 780, 443-450.	2.3	42
14	Polymorphism of ceramide 3. Part 1: an investigation focused on the head group of N-octadecanoylphytosphingosine. Chemistry and Physics of Lipids, 2003, 123, 9-17.	3.2	41
15	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. Chemistry and Physics of Lipids, 2003, 124, 89-101.	3.2	39
16	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. Journal of Controlled Release, 2014, 180, 60-70.	9.9	39
17	Influence of the penetration enhancer isopropyl myristate on stratum corneum lipid model membranes revealed by neutron diffraction and 2H NMR experiments. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 745-755.	2.6	39
18	Polyglycerol fatty acid ester surfactantâ€"based microemulsions for targeted delivery of ceramide AP into the stratum corneum: Formulation, characterisation, in vitro release and penetration investigation. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 139-150.	4.3	37

#	Article	IF	Citations
19	State of the art in Stratum Corneum research: The biophysical properties of ceramides. Chemistry and Physics of Lipids, 2018, 216, 91-103.	3.2	37
20	A multilayer membrane system for modelling drug penetration into skin. International Journal of Pharmaceutics, 1991, 75, 89-94.	5.2	36
21	Controlled penetration of ceramides into and across the stratum corneum using various types of microemulsions and formulation associated toxicity studies. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 244-250.	4.3	36
22	Dermal and transdermal targeting of dihydroavenanthramide D using enhancer molecules and novel microemulsions. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 72, 552-560.	4.3	31
23	Dermal targeting using colloidal carrier systems with linoleic acid. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 75, 162-172.	4.3	31
24	New approaches for quantifying hyaluronic acid in pharmaceutical semisolid formulations using HPLC and CZE. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 913-919.	2.8	30
25	Microemulsions for Dermal Drug Delivery Studied by Dynamic Light Scattering: Effect of Interparticle Interactions in Oilâ€inâ€Water Microemulsions. Journal of Pharmaceutical Sciences, 2003, 92, 730-738.	3.3	29
26	Investigation of drug release from suspension using FTIR-ATR technique: part I. Determination of effective diffusion coefficient of drugs. International Journal of Pharmaceutics, 2000, 204, 145-150.	5.2	28
27	Impact of the long chain Ï‰-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. Chemistry and Physics of Lipids, 2010, 163, 42-50.	3.2	27
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. European Journal of Pharmaceutical Sciences, 2016, 91, 131-137.	4.0	27
29	Delivery of oat-derived phytoceramides into the stratum corneum of the skin using nanocarriers: Formulation, characterization and in vitro and ex-vivo penetration studies. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 260-269.	4.3	27
30	Normal-phase liquid chromatographic separation of stratum corneum ceramides with detection by evaporative light scattering and atmospheric pressure chemical ionization mass spectrometry. Analytica Chimica Acta, 2003, 492, 233-239.	5.4	24
31	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]. Chemistry and Physics of Lipids, 2018, 214, 58-68.	3.2	24
32	Dermal Peptide Delivery Using Colloidal Carrier Systems. Skin Pharmacology and Physiology, 2008, 21, 3-9.	2.5	22
33	Microemulsions as Colloidal Vehicle Systems for Dermal Drug Delivery. Part V: Microemulsions without and with Glycolipid as Penetration Enhancer. Journal of Pharmaceutical Sciences, 2005, 94, 821-827.	3.3	21
34	Fabrication of acetylated dioscorea starch nanoparticles: Optimization of formulation and process variables. Journal of Drug Delivery Science and Technology, 2016, 31, 83-92.	3.0	21
35	Dermal peptide delivery using enhancer moleculs and colloidal carrier systems. Part II: Tetrapeptide PKEK. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 124, 28-33.	4.3	21
36	State of the Art in Stratum Corneum Research. Part II: Hypothetical Stratum Corneum Lipid Matrix Models. Skin Pharmacology and Physiology, 2020, 33, 213-230.	2.5	21

#	Article	IF	Citations
37	Localization of methyl-branched ceramide [EOS] species within the long-periodicity phase in stratum corneum lipid model membranes: A neutron diffraction study. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2911-2922.	2.6	19
38	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. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 306-315.	2.6	19
39	Non-ionic surfactants as innovative skin penetration enhancers: insight in the mechanism of interaction with simple 2D stratum corneum model system. European Journal of Pharmaceutical Sciences, 2021, 157, 105620.	4.0	19
40	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. Journal of Pharmaceutical and Biomedical Analysis, 2012, 60, 7-13.	2.8	17
41	Hydration properties of N-(Î±-hydroxyacyl)-sphingosine: X-ray powder diffraction and FTâ€“Raman spectroscopic studies. Chemistry and Physics of Lipids, 2005, 136, 13-22.	3.2	14
42	Development and characterization of microemulsions containing hyaluronic acid. European Journal of Pharmaceutical Sciences, 2016, 86, 84-90.	4.0	14
43	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. European Journal of Pharmaceutical Sciences, 2017, 99, 161-172.	4.0	14
44	Dermal peptide delivery using enhancer molecules and colloidal carrier systems. Part III: Tetrapeptide GEKG. European Journal of Pharmaceutical Sciences, 2018, 124, 137-144.	4.0	14
45	Evaluation of in-vitro degradation rate of hyaluronic acid-based hydrogel cross-linked with 1, 4-butanediol diglycidyl ether (BDDE) using RP-HPLC and UVâ€“Vis spectroscopy. Journal of Drug Delivery Science and Technology, 2015, 29, 24-30.	3.0	13
46	Potential application of oat-derived ceramides in improving skin barrier function: Part 1. Isolation and structural characterization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1065-1066, 87-95.	2.3	13
47	Isolation and structural characterization of glucosylceramides from Ethiopian plants by LC/APCI-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 241-249.	2.8	12
48	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. Chemistry and Physics of Lipids, 2017, 209, 29-36.	3.2	12
49	Controlled Penetration of a Novel Dimeric Ceramide into and across the Stratum Corneum Using Microemulsions and Various Types of Semisolid Formulations. Skin Pharmacology and Physiology, 2016, 29, 130-134.	2.5	10
50	Structural characterization of plant glucosylceramides and the corresponding ceramides by UHPLC-LTQ-Orbitrap mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113677.	2.8	10
51	Experimental Determination and Mathematical Modelling of Propylene Glycol Transport from Semisolid Vehicles.. Chemical and Pharmaceutical Bulletin, 1996, 44, 1263-1266.	1.3	8
52	Synthesis of ceramides NS and NP with perdeuterated and specifically Ï‰ deuterated Nâ€acyl residues. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 531-542.	1.0	8
53	The role of chelating agents and amino acids in preventing free radical formation in bleaching systems. Free Radical Biology and Medicine, 2018, 129, 194-201.	2.9	8
54	The release profiles of intact and enzymatically digested hyaluronic acid from semisolid formulations using multi-layer membrane system. European Journal of Pharmaceutics and Biopharmaceutics, 2003, 56, 37-41.	4.3	7

#	Article	IF	Citations
55	Cerosomes as skin repairing agent: Mode of action studies with a model stratum corneum layer at liquid/air and liquid/solid interfaces. BBA Advances, 2022, 2, 100039.	1.6	7
56	Determination of CMC of sodium glucocorticides hemisuccinates by CE. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 869-873.	2.8	6
57	Synthesis of specific deuterated derivatives of the long chained stratum corneum lipids [EOS] and [EOP] and characterization using neutron scattering. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 316-330.	1.0	6
58	Synthesis of specifically deuterated ceramide [AP]-C18 and its biophysical characterization using neutron diffraction. Chemistry and Physics of Lipids, 2017, 204, 15-24.	3.2	5
59	Investigating the nanostructure of a CER[NP]/CER[AP]-based stratum corneum lipid matrix model: A combined neutron diffraction & molecular dynamics simulations approach. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 184007.	2.6	5
60	Dermal and transdermal peptide delivery using enhancer molecules and colloidal carrier systems. Part V: Transdermal administration of insulin. International Journal of Pharmaceutics, 2022, 616, 121511.	5.2	4
61	Investigation of ex vivo Skin Penetration of Coenzyme Q10 from Microemulsions and Hydrophilic Cream. Skin Pharmacology and Physiology, 2020, 33, 1-7.	2.5	3
62	IS MERCERIZATION THE ONLY FACTOR FOR (PARTIAL) POLYMORPHIC TRANSITION OF CELLULOSE I TO CELLULOSE II IN CELLULOSE NANOCRYSTALS?. Cellulose Chemistry and Technology, 2022, 56, 495-507.	1.2	1