

# Richard H Guy

## List of Publications by Citations

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368  
papers

20,999  
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73  
h-index

126  
g-index

381  
ext. papers

22,908  
ext. citations

6.5  
avg, IF

6.75  
L-index

#	Paper	IF	Citations
368	Predicting skin permeability. <i>Pharmaceutical Research</i> , <b>1992</b> , 9, 663-9	4.5	1014
367	Application of the threshold of toxicological concern (TTC) to the safety evaluation of cosmetic ingredients. <i>Food and Chemical Toxicology</i> , <b>2007</b> , 45, 2533-62	4.7	958
366	Iontophoretic drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2004</b> , 56, 619-58	18.5	563
365	Epidermal barrier dysfunction in atopic dermatitis. <i>Journal of Investigative Dermatology</i> , <b>2009</b> , 129, 1892-908	4.9	479
364	Skin penetration and distribution of polymeric nanoparticles. <i>Journal of Controlled Release</i> , <b>2004</b> , 99, 53-62	11.7	432
363	Transdermal drug delivery: overcoming the skin barrier function. <i>Pharmaceutical Science &amp; Technology Today</i> , <b>2000</b> , 3, 318-326		423
362	Passive skin penetration enhancement and its quantification in vitro. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2001</b> , 52, 103-12	5.7	390
361	Physical methods for gene transfer: improving the kinetics of gene delivery into cells. <i>Advanced Drug Delivery Reviews</i> , <b>2005</b> , 57, 733-53	18.5	295
360	Plasma membrane poration induced by ultrasound exposure: implication for drug delivery. <i>Journal of Controlled Release</i> , <b>2005</b> , 104, 213-22	11.7	271
359	Mathematical models of skin permeability: an overview. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 418, 115-29	6.5	240
358	Iontophoresis: electrorepulsion and electroosmosis. <i>Journal of Controlled Release</i> , <b>2000</b> , 64, 129-32	11.7	235
357	A predictive algorithm for skin permeability: the effects of molecular size and hydrogen bond activity. <i>Pharmaceutical Research</i> , <b>1995</b> , 12, 1628-33	4.5	218
356	Development of skin barrier function in premature infants. <i>Journal of Investigative Dermatology</i> , <b>1998</b> , 111, 320-6	4.3	203
355	Mechanism of oleic acid-induced skin penetration enhancement in vivo in humans. <i>Journal of Controlled Release</i> , <b>1995</b> , 37, 299-306	11.7	199
354	Visualization of skin penetration using confocal laser scanning microscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2004</b> , 58, 301-16	5.7	198
353	Enhancement of topical delivery from biodegradable nanoparticles. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 1818-25	4.5	180
352	Examination of stratum corneum barrier function in vivo by infrared spectroscopy. <i>Journal of Investigative Dermatology</i> , <b>1990</b> , 95, 403-8	4.3	177

351	In vivo methods for the assessment of topical drug bioavailability. <i>Pharmaceutical Research</i> , <b>2008</b> , 25, 87-103	4.5	175
350	Transdermal drug delivery: 30+ years of war and still fighting!. <i>Journal of Controlled Release</i> , <b>2014</b> , 190, 150-6	11.7	173
349	Characterization of the permeability barrier of human skin in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 1562-7	11.5	173
348	Modeling transdermal drug release. <i>Advanced Drug Delivery Reviews</i> , <b>2001</b> , 48, 159-72	18.5	168
347	Non-invasive, transdermal, path-selective and specific glucose monitoring via a graphene-based platform. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 504-511	28.7	166
346	Photodynamic therapy of skin cancer: controlled drug delivery of 5-ALA and its esters. <i>Advanced Drug Delivery Reviews</i> , <b>2004</b> , 56, 77-94	18.5	166
345	Current status and future prospects of transdermal drug delivery. <i>Pharmaceutical Research</i> , <b>1996</b> , 13, 1765-9	4.5	162
344	Penetration of industrial chemicals across the skin: a predictive model. <i>American Journal of Industrial Medicine</i> , <b>1993</b> , 23, 711-9	2.7	151
343	Delivery of a hydrophilic solute through the skin from novel microemulsion systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>1997</b> , 43, 37-42	5.7	149
342	Characterization of the iontophoretic permselectivity properties of human and pig skin. <i>Journal of Controlled Release</i> , <b>2001</b> , 70, 213-7	11.7	144
341	Characterization of low-temperature (i.e., Journal of Investigative Dermatology, <b>1994</b> , 103, 233-9	4.3	140
340	Convective solvent flow across the skin during iontophoresis. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 1315-20.5	20.5	138
339	Examination of the effect of ethanol on human stratum corneum in vivo using infrared spectroscopy. <i>Journal of Controlled Release</i> , <b>1991</b> , 16, 299-304	11.7	137
338	Sonophoresis. II. Examination of the mechanism(s) of ultrasound-enhanced transdermal drug delivery. <i>Pharmaceutical Research</i> , <b>1992</b> , 9, 1043-7	4.5	131
337	Imaging drug delivery to skin with stimulated Raman scattering microscopy. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 969-75	5.6	130
336	Microemulsion formulations for the transdermal delivery of testosterone. <i>European Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 40, 188-96	5.1	130
335	Pig ear skin ex vivo as a model for in vivo dermatopharmacokinetic studies in man. <i>Pharmaceutical Research</i> , <b>2006</b> , 23, 1850-6	4.5	130
334	Biophysical study of porcine ear skin in vitro and its comparison to human skin in vivo. <i>Journal of Pharmaceutical Sciences</i> , <b>2002</b> , 91, 2376-81	3.9	128

333	Methods for Assessing Percutaneous Absorption: The Report and Recommendations of ECVAM Workshop 131,2. <i>ATLA Alternatives To Laboratory Animals</i> , <b>1996</b> , 24, 81-106	2.1	122
332	Objective assessment of nanoparticle disposition in mammalian skin after topical exposure. <i>Journal of Controlled Release</i> , <b>2012</b> , 162, 201-7	11.7	118
331	FDA and AAPS Report of the Workshop on Principles and Practices of In Vitro Percutaneous Penetration Studies: Relevance to Bioavailability and Bioequivalence. <i>Pharmaceutical Research</i> , <b>1987</b> , 04, 265-267	4.5	118
330	The effect of aging on percutaneous absorption in man. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>1989</b> , 17, 617-30		113
329	Quantitative structure-permeation relationships (QSPeRs) to predict skin permeation: a critical evaluation. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 83-92	4.5	107
328	Contributions of electromigration and electroosmosis to iontophoretic drug delivery. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 1701-8	4.5	106
327	Sonophoresis. I. The use of high-frequency ultrasound to enhance transdermal drug delivery. <i>Pharmaceutical Research</i> , <b>1992</b> , 9, 559-64	4.5	104
326	Metals and the skin. <i>Critical Reviews in Toxicology</i> , <b>1993</b> , 23, 171-235	5.7	99
325	Bioavailability and bioequivalence of topical glucocorticoids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 453-66	5.7	98
324	Reverse iontophoresis for non-invasive transdermal monitoring. <i>Physiological Measurement</i> , <b>2004</b> , 25, R35-50	2.9	97
323	Reverse iontophoresis: noninvasive glucose monitoring in vivo in humans. <i>Pharmaceutical Research</i> , <b>1995</b> , 12, 1869-73	4.5	97
322	Sites of iontophoretic current flow into the skin: identification and characterization with the vibrating probe electrode. <i>Journal of Investigative Dermatology</i> , <b>1991</b> , 97, 55-64	4.3	97
321	Iontophoretic delivery of amino acids and amino acid derivatives across the skin in vitro. <i>Pharmaceutical Research</i> , <b>1991</b> , 8, 1113-20	4.5	96
320	Reverse iontophoresis: development of a noninvasive approach for glucose monitoring. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 1751-5	4.5	96
319	In vivo assessment of enhanced topical delivery of terbinafine to human stratum corneum. <i>Journal of Controlled Release</i> , <b>2001</b> , 71, 319-27	11.7	95
318	Normalization of stratum corneum barrier function and transepidermal water loss in vivo. <i>Pharmaceutical Research</i> , <b>2000</b> , 17, 1148-50	4.5	89
317	Effect of ethanol and isopropyl myristate on the availability of topical terbinafine in human stratum corneum, in vivo. <i>International Journal of Pharmaceutics</i> , <b>2001</b> , 219, 11-9	6.5	88
316	Characterization of convective solvent flow during iontophoresis. <i>Pharmaceutical Research</i> , <b>1994</b> , 11, 929-35	4.5	88

315	A pharmacokinetic model for percutaneous absorption. <i>International Journal of Pharmaceutics</i> , <b>1982</b> , 11, 119-129	6.5	88
314	A new system for in vitro studies of iontophoresis. <i>Pharmaceutical Research</i> , <b>1988</b> , 5, 443-6	4.5	86
313	Assessment of skin barrier function using transepidermal water loss: effect of age. <i>Pharmaceutical Research</i> , <b>1989</b> , 6, 949-53	4.5	85
312	Transdermal drug delivery and cutaneous metabolism. <i>Xenobiotica</i> , <b>1987</b> , 17, 325-43	2	84
311	Emerging strategies for the transdermal delivery of peptide and protein drugs. <i>Expert Opinion on Drug Delivery</i> , <b>2005</b> , 2, 533-48	8	83
310	Ultrasound-mediated gene delivery: kinetics of plasmid internalization and gene expression. <i>Journal of Controlled Release</i> , <b>2005</b> , 104, 203-11	11.7	83
309	Percutaneous penetration enhancement in vivo measured by attenuated total reflectance infrared spectroscopy. <i>Pharmaceutical Research</i> , <b>1990</b> , 7, 835-41	4.5	83
308	Enhancement of propranolol hydrochloride and diazepam skin absorption in vitro: effect of enhancer lipophilicity. <i>Journal of Pharmaceutical Sciences</i> , <b>1991</b> , 80, 32-5	3.9	82
307	Optimization of topical therapy: partitioning of drugs into stratum corneum. <i>Pharmaceutical Research</i> , <b>1990</b> , 7, 1320-4	4.5	81
306	Frequency and thermal effects on the enhancement of transdermal transport by sonophoresis. <i>Journal of Controlled Release</i> , <b>2003</b> , 88, 85-94	11.7	80
305	Physicochemical aspects of percutaneous penetration and its enhancement. <i>Pharmaceutical Research</i> , <b>1988</b> , 5, 753-8	4.5	80
304	Barrier function of human keratinocyte cultures grown at the air-liquid interface. <i>Journal of Investigative Dermatology</i> , <b>1991</b> , 96, 323-7	4.3	79
303	In vitro and in vivo enhancement of skin permeation with oleic and lauric acids. <i>International Journal of Pharmaceutics</i> , <b>1988</b> , 48, 103-111	6.5	77
302	Noninvasive and minimally invasive methods for transdermal glucose monitoring. <i>Diabetes Technology and Therapeutics</i> , <b>2005</b> , 7, 174-97	8.1	76
301	Iontophoretic delivery of a series of tripeptides across the skin in vitro. <i>Pharmaceutical Research</i> , <b>1991</b> , 8, 1121-7	4.5	76
300	(D) Routes of delivery: Case studies. <i>Advanced Drug Delivery Reviews</i> , <b>1992</b> , 8, 291-329	18.5	76
299	mechanism of percutaneous penetration enhancement: effect of n-alkanols on the permeability barrier of hairless mouse skin. <i>Journal of Controlled Release</i> , <b>1990</b> , 12, 103-112	11.7	76
298	Noninvasive glucose monitoring by reverse iontophoresis in vivo: application of the internal standard concept. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 1383-90	5.5	75

297	Mechanism and enhancement of solute transport across the stratum corneum. <i>Journal of Controlled Release</i> , <b>1991</b> , 15, 249-260	11.7	75
296	Disposition of nanoparticles and an associated lipophilic permeant following topical application to the skin. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 1441-8	5.6	74
295	Noninvasive sampling of biological fluids by iontophoresis. <i>Pharmaceutical Research</i> , <b>1989</b> , 6, 988-90	4.5	73
294	Disposition of charged nanoparticles after their topical application to the skin. <i>Skin Pharmacology and Physiology</i> , <b>2010</b> , 23, 117-23	3	72
293	Evaluation of pig esophageal mucosa as a permeability barrier model for buccal tissue. <i>Journal of Pharmaceutical Sciences</i> , <b>2005</b> , 94, 2777-88	3.9	72
292	Imaging regions of transport across human stratum corneum during high-voltage and low-voltage exposures. <i>Journal of Pharmaceutical Sciences</i> , <b>1996</b> , 85, 1363-70	3.9	71
291	Are there age and racial differences to methyl nicotinate-induced vasodilatation in human skin?. <i>Journal of the American Academy of Dermatology</i> , <b>1985</b> , 12, 1001-6	4.5	71
290	Influence of ethanol on the solubility, ionization and permeation characteristics of ibuprofen in silicone and human skin. <i>Skin Pharmacology and Physiology</i> , <b>2009</b> , 22, 15-21	3	70
289	Uptake of microemulsion components into the stratum corneum and their molecular effects on skin barrier function. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 1266-73	5.6	68
288	Improved bioequivalence assessment of topical dermatological drug products using dermatopharmacokinetics. <i>Pharmaceutical Research</i> , <b>2009</b> , 26, 316-28	4.5	68
287	Ex vivo evaluation of bioadhesive films for buccal delivery of fentanyl. <i>Journal of Controlled Release</i> , <b>2007</b> , 122, 135-40	11.7	66
286	Skin permeability enhancement by low frequency sonophoresis: lipid extraction and transport pathways. <i>Journal of Pharmaceutical Sciences</i> , <b>2003</b> , 92, 1138-46	3.9	66
285	Bioavailability of topically administered steroids: a "mass balance" technique. <i>Journal of Investigative Dermatology</i> , <b>1988</b> , 91, 29-33	4.3	66
284	Iontophoresis of monomeric insulin analogues in vitro: effects of insulin charge and skin pretreatment. <i>Journal of Controlled Release</i> , <b>1998</b> , 51, 47-56	11.7	65
283	Ibuprofen transport into and through skin from topical formulations: in vitro-in vivo comparison. <i>Journal of Investigative Dermatology</i> , <b>2007</b> , 127, 135-42	4.3	65
282	Comparison of the lipid composition of porcine buccal and esophageal permeability barriers. <i>Archives of Oral Biology</i> , <b>2005</b> , 50, 981-7	2.8	65
281	Chemical uptake into human stratum corneum in vivo from volatile and non-volatile solvents. <i>Pharmaceutical Research</i> , <b>1999</b> , 16, 1288-93	4.5	65
280	Dermatopharmacokinetic prediction of topical drug bioavailability in vivo. <i>Journal of Investigative Dermatology</i> , <b>2007</b> , 127, 887-94	4.3	64

279	Determining dermal absorption parameters in vivo from tape strip data. <i>Pharmaceutical Research</i> , <b>2002</b> , 19, 292-8	4.5	64
278	Iontophoretic delivery of 5-aminolevulinic acid (ALA): effect of pH. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 311-5	4.5	64
277	The electrical characteristics of human skin in vivo. <i>Pharmaceutical Research</i> , <b>1995</b> , 12, 1605-13	4.5	64
276	Effect of current, ionic strength and temperature on the electrical properties of skin. <i>Journal of Controlled Release</i> , <b>1993</b> , 27, 115-125	11.7	64
275	Ultrasound-mediated gene delivery: influence of contrast agent on transfection. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 652-62	6.3	63
274	Membrane models for skin penetration studies. <i>Chemical Reviews</i> , <b>1988</b> , 88, 455-472	68.1	63
273	Iontophoretic delivery across the skin: electroosmosis and its modulation by drug substances. <i>Pharmaceutical Research</i> , <b>1997</b> , 14, 1258-63	4.5	61
272	Electrorepulsion versus electroosmosis: effect of pH on the iontophoretic flux of 5-fluorouracil. <i>Pharmaceutical Research</i> , <b>1999</b> , 16, 758-61	4.5	61
271	Oleic acid concentration and effect in human stratum corneum: non-invasive determination by attenuated total reflectance infrared spectroscopy in vivo. <i>Journal of Controlled Release</i> , <b>1990</b> , 12, 67-75 <sup>11.7</sup>	11.7	60
270	Effect of propylene glycol on ibuprofen absorption into human skin in vivo. <i>Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 97, 185-97	3.9	59
269	Supersaturation: enhancement of skin penetration and permeation of a lipophilic drug. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 1006-11	4.5	59
268	Enhanced skin permeation of a lipophilic drug using supersaturated formulations. <i>Journal of Controlled Release</i> , <b>2001</b> , 73, 245-53	11.7	59
267	Metabolic approaches to enhance transdermal drug delivery. 1. Effect of lipid synthesis inhibitors. <i>Journal of Pharmaceutical Sciences</i> , <b>1996</b> , 85, 643-8	3.9	59
266	Validation of reflectance infrared spectroscopy as a quantitative method to measure percutaneous absorption in vivo. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 1500-6	4.5	59
265	Effect of Aqueous Cream BP on human stratum corneum in vivo. <i>British Journal of Dermatology</i> , <b>2010</b> , 163, 954-8	4	58
264	Porcine ear skin as a model for the assessment of transdermal drug delivery to premature neonates. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 1390-7	4.5	58
263	Does hydration affect intercellular lipid organization in the stratum corneum?. <i>Pharmaceutical Research</i> , <b>1991</b> , 8, 1064-5	4.5	58
262	Effective use of transdermal drug delivery in children. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 73, 63-82	18.5	57

261	Evaluation of drug delivery to intact and porated skin by coherent Raman scattering and fluorescence microscopies. <i>Journal of Controlled Release</i> , <b>2014</b> , 174, 37-42	11.7	57
260	Percutaneous absorption in man: a kinetic approach. <i>Toxicology and Applied Pharmacology</i> , <b>1985</b> , 78, 123-9	4.6	57
259	Electroosmosis in transdermal iontophoresis: implications for noninvasive and calibration-free glucose monitoring. <i>Biophysical Journal</i> , <b>2004</b> , 87, 3344-50	2.9	56
258	Transdermal delivery of peptides by iontophoresis. <i>Nature Biotechnology</i> , <b>1996</b> , 14, 1710-3	44.5	56
257	Transdermal delivery from a lipid sponge phase--iontophoretic and passive transport in vitro of 5-aminolevulinic acid and its methyl ester. <i>Journal of Controlled Release</i> , <b>2004</b> , 100, 191-8	11.7	54
256	Optimization of aminolevulinic acid delivery by iontophoresis. <i>Journal of Controlled Release</i> , <b>2003</b> , 88, 65-70	11.7	54
255	Noninvasive assessments of the percutaneous absorption of methyl nicotinate in humans. <i>Journal of Pharmaceutical Sciences</i> , <b>1983</b> , 72, 1077-9	3.9	54
254	Stratum corneum thickness and apparent water diffusivity: facile and noninvasive quantitation in vivo. <i>Pharmaceutical Research</i> , <b>1998</b> , 15, 492-4	4.5	53
253	Lithium monitoring by reverse iontophoresis in vivo. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 2091-100	5.5	53
252	In vivo assessment of skin electroporation using square wave pulses. <i>Journal of Controlled Release</i> , <b>2002</b> , 79, 219-27	11.7	53
251	Formulation considerations in the design of topical, polymeric film-forming systems for sustained drug delivery to the skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 91, 9-15	5.7	52
250	Transdermal drug delivery. <i>Handbook of Experimental Pharmacology</i> , <b>2010</b> , 399-410	3.2	52
249	A theoretical description relating skin penetration to the thickness of the applied medicament. <i>International Journal of Pharmaceutics</i> , <b>1980</b> , 6, 321-332	6.5	52
248	Optimisation of cosolvent concentration for topical drug delivery - II: influence of propylene glycol on ibuprofen permeation. <i>Skin Pharmacology and Physiology</i> , <b>2009</b> , 22, 225-30	3	51
247	Transdermal therapy and diagnosis by iontophoresis. <i>Trends in Biotechnology</i> , <b>1997</b> , 15, 288-90	15.1	51
246	Reverse iontophoresis I Parameters determining electroosmotic flow: I. pH and ionic strength. <i>Journal of Controlled Release</i> , <b>1996</b> , 38, 159-165	11.7	51
245	Non-invasive assessment of the effect of formulation excipients on stratum corneum barrier function in vivo. <i>International Journal of Pharmaceutics</i> , <b>2004</b> , 271, 251-6	6.5	50
244	Does epidermal turnover reduce percutaneous penetration?. <i>Pharmaceutical Research</i> , <b>2000</b> , 17, 1414-9	4.5	50



243	Transdermal drug delivery. Clinical aspects. <i>Dermatologic Clinics</i> , <b>1998</b> , 16, 289-99	4.2	50
242	Rate control in transdermal drug delivery?. <i>International Journal of Pharmaceutics</i> , <b>1992</b> , 82, R1-R6	6.5	50
241	Iontophoretic transport pathways: dependence on penetrant physicochemical properties. <i>Journal of Pharmaceutical Sciences</i> , <b>1997</b> , 86, 1385-9	3.9	49
240	Trans-scleral iontophoretic delivery of low molecular weight therapeutics. <i>Journal of Controlled Release</i> , <b>2010</b> , 147, 225-31	11.7	48
239	In vivo infrared spectroscopy studies of alkanol effects on human skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 69, 1171-5	5.7	48
238	Cutaneous responses to topical methyl nicotinate in black, oriental, and caucasian subjects. <i>Archives of Dermatological Research</i> , <b>1989</b> , 281, 95-8	3.3	48
237	Non-invasive assessment of the effects of iontophoresis on human skin in-vivo. <i>Journal of Pharmacy and Pharmacology</i> , <b>2001</b> , 53, 769-77	4.8	47
236	Quantitative structure-permeation relationship for iontophoretic transport across the skin. <i>Journal of Controlled Release</i> , <b>2007</b> , 122, 165-72	11.7	47
235	Ultrasound-enhanced transdermal transport. <i>Journal of Pharmaceutical Sciences</i> , <b>2003</b> , 92, 1125-37	3.9	47
234	Assessment and prediction of the cutaneous bioavailability of topical terbinafine, in vivo, in man. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 1472-5	4.5	47
233	Calculations of drug release rates from particles. <i>International Journal of Pharmaceutics</i> , <b>1982</b> , 11, 199-207	6.5	47
232	Quantitative structure-permeation relationships for solute transport across silicone membranes. <i>Pharmaceutical Research</i> , <b>2002</b> , 19, 1622-9	4.5	45
231	Pharmacodynamic measurements of methyl nicotinate percutaneous absorption. <i>Pharmaceutical Research</i> , <b>1984</b> , 1, 76-81	4.5	45
230	Physicochemical interpretation of the pharmacokinetics of percutaneous absorption. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>1983</b> , 11, 189-203		45
229	Enhanced delivery of 5-aminolevulinic acid esters by iontophoresis in vitro. <i>Photochemistry and Photobiology</i> , <b>2003</b> , 77, 304-8	3.6	45
228	Iontophoresis--recent developments. <i>Journal of Pharmacy and Pharmacology</i> , <b>1998</b> , 50, 371-4	4.8	44
227	Interaction between penetration enhancers and iontophoresis: effect on human skin impedance in vivo. <i>Journal of Controlled Release</i> , <b>1997</b> , 44, 33-42	11.7	43
226	Iontophoresis of poly-L-lysines: the role of molecular weight?. <i>Pharmaceutical Research</i> , <b>1997</b> , 14, 1322-34	11.5	43

225	Contributions of electromigration and electroosmosis to peptide iontophoresis across intact and impaired skin. <i>Journal of Controlled Release</i> , <b>2005</b> , 108, 319-30	11.7	43
224	Structure-permeability relationships in percutaneous penetration. <i>Journal of Pharmaceutical Sciences</i> , <b>1992</b> , 81, 603-4	3.9	43
223	Effect of charge and molecular weight on transdermal peptide delivery by iontophoresis. <i>Pharmaceutical Research</i> , <b>2005</b> , 22, 2069-78	4.5	42
222	Noninvasive sampling of phenylalanine by reverse iontophoresis. <i>Journal of Controlled Release</i> , <b>1999</b> , 61, 65-9	11.7	42
221	Iontophoretic delivery of nafarelin across the skin. <i>International Journal of Pharmaceutics</i> , <b>1995</b> , 117, 165-172	6.5	42
220	Malathion percutaneous absorption after repeated administration to man. <i>Toxicology and Applied Pharmacology</i> , <b>1983</b> , 68, 116-9	4.6	42
219	Controlled drug release from a novel liposomal delivery system. II. Transdermal delivery characteristics. <i>Journal of Controlled Release</i> , <b>1990</b> , 12, 25-30	11.7	41
218	Transdermal drug delivery: A perspective. <i>Journal of Controlled Release</i> , <b>1987</b> , 4, 237-251	11.7	41
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