

Electron Probe Analysis of Human Skin: Determination

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Membrane Structural Alterations in Murine Stratum Corneum: Relationship to the Localization of Polar Lipids and Phospholipases. <i>Journal of Investigative Dermatology</i> , 1988, 91, 3-10.	0.3	105
2	Biologic Structure and Function: Perspectives on Morphologic Approaches to the Study of the Granular Layer Keratinocyte. <i>Journal of Investigative Dermatology</i> , 1989, 92, S84-S104.	0.3	39
3	Biologic Structure and Function: Perspectives on Morphologic Approaches to the Study of the Granular Layer Keratinocyte.. <i>Journal of Investigative Dermatology</i> , 1989, 92, 84S-104S.	0.3	23
4	Maintenance of skin viability during in vitro percutaneous absorption/metabolism studies. <i>Toxicology and Applied Pharmacology</i> , 1989, 99, 522-533.	1.3	122
5	Electrical Determination of Water Content and Concentration Profile in a Simulation Model of In Vivo Stratum Corneum. <i>Journal of Investigative Dermatology</i> , 1989, 92, 854-859.	0.3	47
6	A functional study of the skin barrier to evaporative water loss by means of repeated cellophane-tape stripping. <i>Clinical and Experimental Dermatology</i> , 1990, 15, 180-182.	0.6	83
7	Examination of Stratum Corneum Barrier Function In Vivo by Infrared Spectroscopy. <i>Journal of Investigative Dermatology</i> , 1990, 95, 403-408.	0.3	209
8	Pulmonary intravascular macrophages in rabbits experimentally infected with rabbit haemorrhagic disease. <i>Journal of Comparative Pathology</i> , 1991, 105, 345-352.	0.1	7
9	THE MELANOSOME: THRESHOLD TEMPERATURE FOR EXPLOSIVE VAPORIZATION AND INTERNAL ABSORPTION COEFFICIENT DURING PULSED LASER IRRADIATION. <i>Photochemistry and Photobiology</i> , 1991, 53, 769-775.	1.3	225
10	In Vivo Proton Relaxation Times Analysis of the Skin Layers by Magnetic Resonance Imaging. <i>Journal of Investigative Dermatology</i> , 1991, 97, 120-125.	0.3	104
11	Lipid vesicles penetrate into intact skin owing to the transdermal osmotic gradients and hydration force. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1104, 226-232.	1.4	660
12	Water distributions of hydrated biological specimens by valence electron energy loss spectroscopy. <i>Ultramicroscopy</i> , 1993, 50, 127-139.	0.8	71
13	Analytical electron microscopy of chlorhexidine-induced tooth stain in humans: direct evidence for metal-induced stain. <i>Journal of Periodontal Research</i> , 1993, 28, 255-265.	1.4	16
14	Non-invasive methods for determination of oedema and water behaviour in the skin. <i>Skin Research and Technology</i> , 1995, 1, 55-60.	0.8	15
15	Corneocytes Undergo Systematic Changes in Element Concentrations Across the Human Inner Stratum Corneum. <i>Journal of Investigative Dermatology</i> , 1995, 104, 530-536.	0.3	36
16	Time-Resolved Infrared ATR Measurements of Liposome Transport Kinetics in Human Keratinocyte Cultures and Skin Reveals a Dependence on Liposome Size and Phase State. <i>Journal of Investigative Dermatology</i> , 1995, 105, 291-295.	0.3	24
17	Material Transport Across Permeability Barriers by Means of Lipid Vesicles. <i>Handbook of Biological Physics</i> , 1995, 1, 465-490.	0.8	53
18	Quantitative water mapping of cryosectioned cells by electron energy loss spectroscopy. <i>Journal of Microscopy</i> , 1995, 177, 18-30.	0.8	55

#	ARTICLE	IF	CITATIONS
19	Depth-Resolved Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 1996, 50, 285-291.	1.2	11
20	Dermatologic aspects of mineral water. <i>Clinics in Dermatology</i> , 1996, 14, 567-569.	0.8	7
21	The skin: a pathway for systemic treatment with patches and lipid-based agent carriers. <i>Advanced Drug Delivery Reviews</i> , 1996, 18, 349-378.	6.6	198
22	Therapeutic Skin Care in the Mature Patient. <i>Clinics in Plastic Surgery</i> , 1997, 24, 369-377.	0.7	8
23	Drug delivery across the skin. <i>Expert Opinion on Investigational Drugs</i> , 1997, 6, 1887-1937.	1.9	95
24	Aspects on the physiology of human skin: Studies using particle probe analysis. , 1997, 38, 373-386.		44
25	A31P NMR study of extracted phospholipid composition of human skin: full thickness skin, dermis, epidermis and granulation tissue. <i>Skin Research and Technology</i> , 1998, 4, 71-78.	0.8	6
26	Lymphedematous Skin and Subcutis: In Vivo High Resolution Magnetic Resonance Imaging Evaluation. <i>Journal of Investigative Dermatology</i> , 1998, 110, 782-787.	0.3	64
27	Non-uniform cellular packing of the stratum corneum and permeability barrier function of intact skin: a high-resolution confocal laser scanning microscopy study using highly deformable vesicles (Transfersomes). <i>British Journal of Dermatology</i> , 1998, 138, 583-592.	1.4	169
28	The effect of dryness on the skin. <i>Clinics in Dermatology</i> , 1998, 16, 99-107.	0.8	23
29	Measurement of dielectric properties of subcutaneous fat with open-ended coaxial sensors. <i>Physics in Medicine and Biology</i> , 1998, 43, 475-485.	1.6	72
30	Effects of hydration on tactile sensation. <i>Somatosensory & Motor Research</i> , 1998, 15, 93-108.	0.4	63
31	X-ray microanalysis of the integument. , 1999, , 373-400.		0
32	Penetration of electromagnetic fields of an open-ended coaxial probe between 1 MHz and 1 GHz in dielectric skin measurements. <i>Physics in Medicine and Biology</i> , 1999, 44, N169-N176.	1.6	60
33	Epithelial Sodium Channels are Upregulated During Epidermal Differentiation. <i>Journal of Investigative Dermatology</i> , 1999, 113, 796-801.	0.3	28
34	Number of cell layers of the stratum corneum in normal skin - relationship to the anatomical location on the body, age, sex and physical parameters. <i>Archives of Dermatological Research</i> , 1999, 291, 555-559.	1.1	363
35	Investigations on acoustic on-line monitoring of IR laser ablation of burned skin. , 1999, 25, 69-78.		20
36	Automated depth-scanning confocal Raman microspectrometer for rapid in vivo determination of water concentration profiles in human skin. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 813-818.	1.2	245

#	ARTICLE	IF	CITATIONS
37	Changes in Tactile Spatial Discrimination and Cutaneous Coding Properties by Skin Hydration in the Elderly. <i>Journal of Investigative Dermatology</i> , 2000, 115, 454-458.	0.3	46
38	Evidence for the Existence of a Self-Regulated Enzymatic Process Within the Human Stratum Corneum – An Unexpected Role for Urocanic Acid. <i>Journal of Investigative Dermatology</i> , 2000, 115, 414-420.	0.3	133
39	High-Pressure Freezing Provides New Information on Human Epidermis: Simultaneous Protein Antigen and Lamellar Lipid Structure Preservation. Study on Human Epidermis by Cryoimmobilization. <i>Journal of Investigative Dermatology</i> , 2000, 114, 1030-1038.	0.3	62
40	Skin delivery of oestradiol from lipid vesicles: importance of liposome structure. <i>International Journal of Pharmaceutics</i> , 2000, 204, 159-169.	2.6	120
41	Oestradiol skin delivery from ultradeformable liposomes: refinement of surfactant concentration. <i>International Journal of Pharmaceutics</i> , 2000, 196, 63-74.	2.6	236
42	Molecular dynamics simulations of stratum corneum lipid models: fatty acids and cholesterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1511, 156-167.	1.4	209
43	Skin Barrier Structure and Function: The Single Gel Phase Model. <i>Journal of Investigative Dermatology</i> , 2001, 117, 830-836.	0.3	134
44	In Vivo Confocal Raman Microspectroscopy of the Skin: Noninvasive Determination of Molecular Concentration Profiles. <i>Journal of Investigative Dermatology</i> , 2001, 116, 434-442.	0.3	752
45	Attenuated Total Reflection – Fourier Transform Infrared Spectroscopy as a Possible Method to Investigate Biophysical Parameters of Stratum Corneum In Vivo. <i>Journal of Investigative Dermatology</i> , 2001, 116, 380-386.	0.3	105
46	Environmental Effects on the Functions of the Stratum Corneum. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2001, 6, 87-94.	0.8	48
47	Skin Barrier Formation: The Membrane Folding Model. <i>Journal of Investigative Dermatology</i> , 2001, 117, 823-829.	0.3	96
48	X-ray microanalysis of cryopreserved human skin to study the effect of iontophoresis on percutaneous ion transport. <i>Pharmaceutical Research</i> , 2001, 18, 1012-1017.	1.7	6
49	Skin Barrier Structure and Function: The Single Gel Phase Model. <i>Journal of Investigative Dermatology</i> , 2001, 117, 830-836.	0.3	127
50	The frequency selectivity of information-processing channels in the tactile sensory system. <i>Somatosensory & Motor Research</i> , 2001, 18, 191-201.	0.4	114
51	Impaired Stratum Corneum Hydration in Mice Lacking Epidermal Water Channel Aquaporin-3. <i>Journal of Biological Chemistry</i> , 2002, 277, 17147-17153.	1.6	236
52	Functional Expression of AQP3 in Human Skin Epidermis and Reconstructed Epidermis. <i>Journal of Investigative Dermatology</i> , 2002, 118, 678-685.	0.3	172
53	Elastic liposomes for skin delivery of dipotassium glycyrrhizinate. <i>International Journal of Pharmaceutics</i> , 2002, 241, 319-327.	2.6	187
54	Triphasic FE Modeling of the Skin Water Barrier. <i>Transport in Porous Media</i> , 2003, 50, 93-109.	1.2	15

#	ARTICLE	IF	CITATIONS
56	Correlation between stinging, TEWL and capacitance. <i>Skin Research and Technology</i> , 2003, 9, 90-93.	0.8	31
57	Water Distribution and Related Morphology in Human Stratum Corneum at Different Hydration Levels. <i>Journal of Investigative Dermatology</i> , 2003, 120, 750-758.	0.3	270
58	Role of Taurine Accumulation in Keratinocyte Hydration. <i>Journal of Investigative Dermatology</i> , 2003, 121, 354-361.	0.3	49
59	Skin barrier structure, function and formation - learning from cryo-electron microscopy of vitreous, fully hydrated native human epidermis. <i>International Journal of Cosmetic Science</i> , 2003, 25, 209-226.	1.2	13
60	Transfersomes – A Novel Vesicular Carrier for Enhanced Transdermal Delivery: Development, Characterization, and Performance Evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2003, 29, 1013-1026.	0.9	323
61	Biological activity and characteristics of triamcinolone-acetonide formulated with the self-regulating drug carriers, Transfersomes®. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1614, 156-164.	1.4	138
62	Hydration-Driven Transport of Deformable Lipid Vesicles through Fine Pores and the Skin Barrier. <i>Biophysical Journal</i> , 2003, 84, 1010-1024.	0.2	152
63	Phenotypic flexibility in cutaneous water loss and lipids of the stratum corneum. <i>Journal of Experimental Biology</i> , 2003, 206, 3581-3588.	0.8	36
64	COMPARISON OF POULTICE-TYPE AND TAPE-TYPE PATCHES CONTAINING KETOPROFEN ON HUMAN SKIN IRRITATION. <i>Journal of Toxicological Sciences</i> , 2003, 28, 415-425.	0.7	10
65	Dry Skin: Environmental Aspects. <i>Exogenous Dermatology</i> , 2004, 3, 57-71.	0.5	9
66	Moisturization and skin barrier function. <i>Dermatologic Therapy</i> , 2004, 17, 43-48.	0.8	690
68	Measurement of hydration in the stratum corneum with the MoistureMeter and comparison with the Corneometer. <i>Skin Research and Technology</i> , 2004, 10, 32-37.	0.8	102
69	In vivo morphological characterisation of skin by MRI micro-imaging methods. <i>Skin Research and Technology</i> , 2004, 10, 149-160.	0.8	62
70	Stratum Corneum Keratin Structure, Function, and Formation: The Cubic Rod-Packing and Membrane Templating Model. <i>Journal of Investigative Dermatology</i> , 2004, 123, 715-732.	0.3	129
71	The Osmolyte Strategy of Normal Human Keratinocytes in Maintaining Cell Homeostasis. <i>Journal of Investigative Dermatology</i> , 2004, 123, 516-521.	0.3	70
72	Moisture Vapor Transport Channels for the Improved Attachment of a Medical Device to the Human Body. <i>Biomedical Microdevices</i> , 2004, 6, 149-154.	1.4	8
73	Deformable liposomes for dermal administration of methotrexate. <i>International Journal of Pharmaceutics</i> , 2004, 270, 119-125.	2.6	228
74	Dead but Highly Dynamic – The Stratum corneum Is Divided into Three Hydration Zones. <i>Skin Pharmacology and Physiology</i> , 2004, 17, 246-257.	1.1	91

#	ARTICLE	IF	CITATIONS
75	Stratum corneum-derived caspase-14 is catalytically active. <i>FEBS Letters</i> , 2004, 577, 446-450.	1.3	50
76	In vivo chemical investigation of human skin using a confocal Raman fiber optic microprobe. <i>Journal of Biomedical Optics</i> , 2005, 10, 044007.	1.4	72
77	An analytical model of skin: comparison with experimental results in vivo. , 2005, , .		1
78	In vivo Drug Screening in Human Skin Using Femtosecond Laser Multiphoton Tomography. <i>Skin Pharmacology and Physiology</i> , 2006, 19, 78-88.	1.1	128
79	Expression and function of aquaporins in human skin: Is aquaporin-3 just a glycerol transporter?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1034-1042.	1.4	111
80	Regional Difference of Water Content in Human Skin Studied by Diffuse-Reflectance Near-Infrared Spectroscopy: Consideration of Measurement Depth. <i>Applied Spectroscopy</i> , 2006, 60, 24-28.	1.2	42
82	Confocal Raman microspectroscopy: measuring the effects of topical moisturizers on stratum corneum water gradient in vivo. , 2006, 6093, 157.		6
83	Stratum corneum keratin structure, function and formation – a comprehensive review. <i>International Journal of Cosmetic Science</i> , 2006, 28, 397-425.	1.2	58
84	Atopic xerosis: employment of noninvasive biophysical instrumentation for the functional analyses of the mildly abnormal stratum corneum and for the efficacy assessment of skin care products. <i>Journal of Cosmetic Dermatology</i> , 2006, 5, 140-149.	0.8	47
85	Correlation of clinical features and skin barrier function in adolescent and adult patients with atopic dermatitis. <i>International Journal of Dermatology</i> , 2006, 45, 698-701.	0.5	88
86	Deformable liposomes and ethosomes: Mechanism of enhanced skin delivery. <i>International Journal of Pharmaceutics</i> , 2006, 322, 60-66.	2.6	295
87	A Multiphase Microscopic Diffusion Model for Stratum Corneum permeability. I. Formulation, Solution, and Illustrative Results for Representative Compounds. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 620-648.	1.6	131
88	A Two-Phase Analysis of Solute Partitioning into the Stratum Corneum. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 649-666.	1.6	93
89	An in vivo Randomized Study of Human Skin Moisturization by a New Confocal Raman Fiber-Optic Microprobe: Assessment of a Glycerol-Based Hydration Cream. <i>Skin Pharmacology and Physiology</i> , 2006, 19, 207-215.	1.1	67
90	Water relations of tetrapod integument. <i>Journal of Experimental Biology</i> , 2006, 209, 202-226.	0.8	236
91	Elastic positively-charged liposomes for topical administration of acyclovir. <i>Journal of Drug Delivery Science and Technology</i> , 2007, 17, 321-324.	1.4	17
92	Tissue equivalent material for hand phantoms. <i>Physics in Medicine and Biology</i> , 2007, 52, 4205-4210.	1.6	101
93	In vivo Estimation of Stratum Corneum Thickness from Water Concentration Profiles Obtained with Raman Spectroscopy. <i>Acta Dermato-Venereologica</i> , 2007, 87, 4-8.	0.6	275

#	ARTICLE	IF	CITATIONS
94	Epidermal terminal differentiation depends on B lymphocyte-induced maturation protein-1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14988-14993.	3.3	143
95	An <i>In Vivo</i> Confocal Raman Study of the Delivery of Trans-Retinol to the Skin. Applied Spectroscopy, 2007, 61, 804-811.	1.2	128
96	Vesicles as tools for the modulation of skin permeability. Expert Opinion on Drug Delivery, 2007, 4, 579-593.	2.4	49
97	Human skin permittivity determined by millimeter wave reflection measurements. Bioelectromagnetics, 2007, 28, 331-339.	0.9	153
98	Depth Dependence of Stratum Corneum Lipid Ordering: A Slow-Tumbling Simulation for Electron Paramagnetic Resonance. Journal of Investigative Dermatology, 2007, 127, 895-899.	0.3	26
99	Pros and cons: cryo-electron microscopic evaluation of block faces versus cryo-sections from frozen-hydrated skin specimens prepared by different techniques. Journal of Microscopy, 2007, 225, 201-207.	0.8	21
100	Comparison of the depth profiles of water and water-binding substances in the stratum corneum determined in vivo by Raman spectroscopy between the cheek and volar forearm skin: effects of age, seasonal changes and artificial forced hydration. British Journal of Dermatology, 2008, 158, 251-260.	1.4	192
101	The effect of wet-wrap dressing on epidermal barrier in patients with atopic dermatitis. Journal of the European Academy of Dermatology and Venereology, 2007, 21, 1360-1368.	1.3	51
102	Skin hydration: a review on its molecular mechanisms. Journal of Cosmetic Dermatology, 2007, 6, 75-82.	0.8	400
103	Enhanced transdermal delivery of salbutamol sulfate via ethosomes. AAPS PharmSciTech, 2007, 8, E107.	1.5	107
104	The skin barrier as an innate immune element. Seminars in Immunopathology, 2007, 29, 3-14.	2.8	333
105	Deformable liposomes containing alkylcarbonates of β -cyclodextrins for dermal applications. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 645-649.	1.6	10
106	Functional characteristics of the stratum corneum in photoaged skin in comparison with those found in intrinsic aging. Archives of Dermatological Research, 2008, 300, 1-6.	1.1	97
107	Millimeter wave dosimetry of human skin. Bioelectromagnetics, 2008, 29, 65-70.	0.9	87
108	Electromagnetic millimeter wave induced hypoalgesia: Frequency dependence and involvement of endogenous opioids. Bioelectromagnetics, 2008, 29, 284-295.	0.9	52
109	Reflection and penetration depth of millimeter waves in murine skin. Bioelectromagnetics, 2008, 29, 340-344.	0.9	26
110	Understanding and Treating Various Skin Types: The Baumann Skin Type Indicator. Dermatologic Clinics, 2008, 26, 359-373.	1.0	44
111	Use of "Bricks and Mortar" Model To Predict Transdermal Permeation: Model Development and Initial Validation. Industrial & Engineering Chemistry Research, 2008, 47, 6465-6472.	1.8	43

#	ARTICLE	IF	CITATIONS
112	Responding double-porous lipid membrane: Lyotropic phases in a polymer scaffold. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 549-558.	1.4	8
113	Modeling Glucose and Water Dynamics in Human Skin. <i>Diabetes Technology and Therapeutics</i> , 2008, 10, 283-293.	2.4	30
114	Transport Processes in Responding Lipid Membranes: A Possible Mechanism for the pH Gradient in the Stratum Corneum. <i>Langmuir</i> , 2008, 24, 8061-8070.	1.6	21
115	Caspase-14 reveals its secrets. <i>Journal of Cell Biology</i> , 2008, 180, 451-458.	2.3	203
116	Water exchange and permeability properties of the skin in three species of amphibious sea snakes (<i>Laticauda</i> spp.). <i>Journal of Experimental Biology</i> , 2009, 212, 1921-1929.	0.8	44
117	Modeling transdermal permeation. Part I. Predicting skin permeability of both hydrophobic and hydrophilic solutes. <i>AIChE Journal</i> , 2010, 56, 1136-1146.	1.8	14
118	<i>In vivo</i> simultaneous measurement of urea and water in the human stratum corneum by diffuse reflectance near-infrared spectroscopy. <i>Skin Research and Technology</i> , 2009, 15, 195-199.	0.8	26
119	Changes in the depth profile of water in the stratum corneum treated with water. <i>Skin Research and Technology</i> , 2009, 15, 242-249.	0.8	58
120	Depth profiling of <i>Stratum corneum</i> hydration <i>in vivo</i> : a comparison between conductance and confocal Raman spectroscopic measurements. <i>Experimental Dermatology</i> , 2009, 18, 870-876.	1.4	58
121	Hydrating effects of moisturizer active compounds incorporated into hydrogels: <i>in vivo</i> assessment and comparison between devices. <i>Journal of Cosmetic Dermatology</i> , 2009, 8, 32-39.	0.8	44
122	Assessment of human stratum corneum thickness and its barrier properties by <i>in vivo</i> confocal Raman spectroscopy. <i>International Journal of Cosmetic Science</i> , 2009, 31, 479-480.	1.2	37
123	Percutaneous absorption of volatile solvents following transient liquid exposures: I. Model development. <i>Chemical Engineering Science</i> , 2009, 64, 1027-1035.	1.9	6
124	Non-invasive <i>in vivo</i> methods for investigation of the skin barrier physical properties. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 295-303.	2.0	164
125	Simulation Studies of Stratum Corneum Lipid Mixtures. <i>Biophysical Journal</i> , 2009, 97, 1941-1951.	0.2	136
126	Diffusional transport in responding lipid membranes. <i>Soft Matter</i> , 2009, 5, 3225.	1.2	11
127	The Baumann Skin-Type Indicator. , 2009, , 29-40.		2
128	Tetanus toxoid-loaded transfersomes for topical immunization. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 295-301.	1.2	52
129	Skin Delivery of Oestradiol from Deformable and Traditional Liposomes: Mechanistic Studies. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 51, 1123-1134.	1.2	176

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130	Can drug-bearing liposomes penetrate intact skin?. Journal of Pharmacy and Pharmacology, 2010, 58, 415-429.	1.2	185
131	Ethinylestradiol-loaded ultraflexible liposomes: pharmacokinetics and pharmacodynamics. Journal of Pharmacy and Pharmacology, 2010, 58, 459-468.	1.2	21
132	Nanotechnology and the transdermal routeA state of the art review and critical appraisal. Journal of Controlled Release, 2010, 141, 277-299.	4.8	480
133	A water gradient can be used to regulate drug transport across skin. Journal of Controlled Release, 2010, 143, 191-200.	4.8	75
135	In vitro characterization of the invasiveness of polymer microneedle against skin. International Journal of Pharmaceutics, 2010, 397, 201-205.	2.6	36
136	Quantitative nanoscale water mapping in frozen-hydrated skin by low-loss electron energy-loss spectroscopy. Ultramicroscopy, 2010, 110, 866-876.	0.8	33
137	Bioengineering and subjective approaches to the clinical evaluation of dry skin. International Journal of Cosmetic Science, 2010, 32, 410-421.	1.2	28
138	Maleâ€“female differences in forearm skin tissue dielectric constant. Clinical Physiology and Functional Imaging, 2010, 30, 328-332.	0.5	29
139	Local tissue water assessed by measuring forearm skin dielectric constant: dependence on measurement depth, age and body mass index. Skin Research and Technology, 2010, 16, 16-22.	0.8	30
140	Quantifying the Composition of Human Skin for Glucose Sensor Development. Journal of Diabetes Science and Technology, 2010, 4, 1032-1040.	1.3	52
141	Modeling terahertz heating effects on water. Optics Express, 2010, 18, 4727.	1.7	60
142	The effect of blood content on the optical and dielectric skin properties. Physiological Measurement, 2011, 32, 131-149.	1.2	21
143	Stratified Media Model for Terahertz Reflectometry of the Skin. IEEE Sensors Journal, 2011, 11, 1253-1262.	2.4	66
144	Caspase-14 Is Required for Filaggrin Degradation to Natural Moisturizing Factors in the Skin. Journal of Investigative Dermatology, 2011, 131, 2233-2241.	0.3	167
145	THz Medical Imaging: in vivo Hydration Sensing. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 201-219.	2.0	282
146	Comparison of Scanning Acoustic Microscopy and Histology Images in Characterizing Surface Irregularities Among Engineered Human Oral Mucosal Tissues. Ultrasound in Medicine and Biology, 2011, 37, 1734-1742.	0.7	10
147	Product design in priceâ€“competitive markets: A case study of a skin moisturizing lotion. AIChE Journal, 2011, 57, 160-177.	1.8	41
148	Body xerosis and moisturization. , 2011, , 121-129.		0

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149	Formulation and In Vitro Evaluation of Ufasomes for Dermal Administration of Methotrexate. <i>ISRN Pharmaceutics</i> , 2012, 2012, 1-8.	1.0	28
150	Changes in Stratum Corneum Thickness, Water Gradients and Hydration by Moisturizers. , 2012, , 545-560.		7
151	Vernix Caseosa and Its Substitutes: Lipid Composition and Physicochemical Properties. , 2012, , 193-213.		1
152	Potential of the octanolâ€“water partition coefficient (logP) to predict the dermal penetration behaviour of amphiphilic compounds in aqueous solutions. <i>Toxicology Letters</i> , 2012, 215, 49-53.	0.4	38
153	Transdermal drug delivery: from micro to nano. <i>Nanoscale</i> , 2012, 4, 1881.	2.8	105
154	Validity and interobserver agreement of lower extremity local tissue water measurements in healthy women using tissue dielectric constant. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 317-322.	0.5	25
155	Time-resolved singlet oxygen luminescence detection under photodynamic therapy relevant conditions: comparison of <i>ex vivo</i> application of two photosensitizer formulations. <i>Journal of Biomedical Optics</i> , 2012, 17, 115005.	1.4	24
156	Structure and Function of Skin: The Application of THz Radiation in Dermatology. , 2012, , 281-299.		0
157	Gender differences in facial skin dielectric constant measured at 300 MHz. <i>Skin Research and Technology</i> , 2012, 18, 504-510.	0.8	27
158	A possible regulation mechanism of water content in human stratum corneum via intercellular lipid matrix. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 238-243.	1.5	50
159	Microneedle delivery of plasmid DNA to living human skin: Formulation coating, skin insertion and gene expression. <i>Journal of Controlled Release</i> , 2012, 160, 561-569.	4.8	106
160	Improvement of skin barrier function in atopic dermatitis patients with a new moisturizer containing a ceramide precursor. <i>Journal of Dermatological Treatment</i> , 2013, 24, 122-125.	1.1	72
161	Lamellar and Inverse Micellar Structures of Skin Lipids: Effect of Templating. <i>Physical Review Letters</i> , 2013, 111, 148101.	2.9	38
162	Stratum corneum evaluation methods: overview. <i>Skin Research and Technology</i> , 2013, 19, 213-219.	0.8	30
163	Self-consistent field theory for the interactions between keratin intermediate filaments. <i>BMC Biophysics</i> , 2013, 6, 12.	4.4	10
164	Label free non-invasive imaging of topically applied actives in reconstructed human epidermis by confocal Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2013, 68, 29-33.	1.2	20
165	Non-invasive assessment of tryptophan fluorescence and confocal microscopy provide information on skin barrier repair dynamics beyond TEWL. <i>Experimental Dermatology</i> , 2013, 22, 18-23.	1.4	17
166	Filaggrin â€“ revisited. <i>International Journal of Cosmetic Science</i> , 2013, 35, 412-423.	1.2	62

#	ARTICLE	IF	CITATIONS
167	Controlling the hydration of the skin through the application of occluding barrier creams. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120788.	1.5	49
168	Highly deformable and highly fluid vesicles as potential drug delivery systems: theoretical and practical considerations. <i>International Journal of Nanomedicine</i> , 2013, 8, 3171.	3.3	89
169	Dielectric properties estimation of normal and malignant skin tissues at millimeter-wave frequencies using effective medium theory. , 2014, , .		27
170	Development and validation of an alternative disturbed skin model by mechanical abrasion to study drug penetration. <i>Results in Pharma Sciences</i> , 2014, 4, 26-33.	4.2	23
171	Constitution-specific features of perspiration and skin visco-elasticity in SCM. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 24.	3.7	5
172	Finite element analysis of thermal laser skin stimulation for a finer characterization of the nociceptive system. <i>Journal of Neuroscience Methods</i> , 2014, 223, 1-10.	1.3	19
173	The Expression of Proinflammatory Genes in Epidermal Keratinocytes Is Regulated by Hydration Status. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1044-1055.	0.3	35
174	Cutaneous Na ⁺ Storage Strengthens the Antimicrobial Barrier Function of the Skin and Boosts Macrophage-Driven Host Defense. <i>Cell Metabolism</i> , 2015, 21, 493-501.	7.2	252
175	Tissue sodium storage: evidence for kidney-like extrarenal countercurrent systems?. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 551-558.	1.3	60
176	Detection of canine skin and subcutaneous tumors by visible and near-infrared diffuse reflectance spectroscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 037003.	1.4	10
177	Visualization of Water Distribution in the Facial Epidermal Layers of Skin Using High-Sensitivity Near-Infrared (NIR) Imaging. <i>Applied Spectroscopy</i> , 2015, 69, 481-487.	1.2	23
178	Lipid composition and molecular interactions change with depth in the avian stratum corneum to regulate cutaneous water loss. <i>Journal of Experimental Biology</i> , 2015, 218, 3032-3041.	0.8	11
179	The Development of Sugar-Based Anti-Melanogenic Agents. <i>International Journal of Molecular Sciences</i> , 2016, 17, 583.	1.8	23
180	Solid ω oil nanodispersions for transdermal drug delivery systems. <i>Biotechnology Journal</i> , 2016, 11, 1375-1385.	1.8	38
181	Hydrogels containing porphyrin-loaded nanoparticles for topical photodynamic applications. <i>International Journal of Pharmaceutics</i> , 2016, 510, 221-231.	2.6	32
182	In vivo Raman Confocal Spectroscopy in the Investigation of the Skin Barrier. <i>Current Problems in Dermatology</i> , 2016, 49, 71-79.	0.8	10
183	The importance of hydration in wound healing: reinvigorating the clinical perspective. <i>Journal of Wound Care</i> , 2016, 25, 122-130.	0.5	118
184	Dermal Drug Delivery for Cutaneous Malignancies: Literature at a Glance. <i>Journal of Pharmaceutical Innovation</i> , 2016, 11, 1-33.	1.1	6

#	ARTICLE	IF	CITATIONS
186	Terahertz Imaging of Cutaneous Edema: Correlation With Magnetic Resonance Imaging in Burn Wounds. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2682-2694.	2.5	22
187	Depth-selective photothermal IR spectroscopy of skin: potential application for non-invasive glucose measurement. <i>Analyst, The</i> , 2017, 142, 495-502.	1.7	41
188	Formulation of hydrophobic peptides for skin delivery via coated microneedles. <i>Journal of Controlled Release</i> , 2017, 265, 2-13.	4.8	63
189	Comments on "Wideband Skin-Equivalent Phantom for V- and W-Band". <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 3257-3257.	2.4	2
190	Occlusive Versus Nonocclusive Application in Transdermal Drug Delivery. , 2017, , 27-33.		3
191	Confocal Raman spectroscopy: In vivo measurement of physiological skin parameters " A pilot study. <i>Journal of Dermatological Science</i> , 2017, 88, 280-288.	1.0	26
192	Millimeter wave dosimetry at exposure of cell monolayers. <i>Biophysics (Russian Federation)</i> , 2017, 62, 261-264.	0.2	2
193	Hydration of the Skin Surface. , 2017, , 1117-1126.		0
194	Microscale temperature and SAR measurements in cell monolayer models exposed to millimeter waves. <i>Bioelectromagnetics</i> , 2017, 38, 11-21.	0.9	12
195	Solid-in-Oil Peptide Nanocarriers for Transcutaneous Cancer Vaccine Delivery against Melanoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 955-961.	2.3	30
196	Radiochromic gels for UV radiation measurements in 3D. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 351, 197-207.	2.0	22
197	Permeation pathways through lateral domains in model membranes of skin lipids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2162-2174.	1.3	32
198	Computational Study of Frozen Tissue Melanoma Imaging at Terahertz Frequencies. , 2018, , .		1
199	Wireless, Battery-Free Epidermal Electronics for Continuous, Quantitative, Multimodal Thermal Characterization of Skin. <i>Small</i> , 2018, 14, e1803192.	5.2	73
200	Phase Diagram of a Stratum Corneum Lipid Mixture. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10505-10521.	1.2	13
201	Potential of short-wave infrared spectroscopy for quantitative depth profiling of stratum corneum lipids and water in dermatology. <i>Biomedical Optics Express</i> , 2018, 9, 2436.	1.5	6
202	Penetration monitoring of drugs and additives by ATR-FTIR spectroscopy/tape stripping and confocal Raman spectroscopy " A comparative study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 214-223.	2.0	25
203	In vivo estimation of water diffusivity in occluded human skin using terahertz reflection spectroscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800145.	1.1	31

#	ARTICLE	IF	CITATIONS
204	Assessment of sub-epidermal moisture by direct measurement of tissue biocapacitance. <i>Medical Engineering and Physics</i> , 2019, 73, 92-99.	0.8	21
205	Topical application of highly concentrated water-in-oil emulsions: Physiological skin parameters and skin penetration in vivo - A pilot study. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118694.	2.6	13
206	Computational phantom study of frozen melanoma imaging at 0.45 terahertz. <i>Bioelectromagnetics</i> , 2019, 40, 118-127.	0.9	18
207	MCR Approach Revealing Protein, Water, and Lipid Depth Profile in Atopic Dermatitis Patients's™ Stratum Corneum via in Vivo Confocal Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 2784-2790.	3.2	21
208	Near-infrared spectroscopy as a tool for in vivo analysis of human muscles. <i>Scientific Reports</i> , 2019, 9, 8623.	1.6	36
209	The role of viscosity on skin penetration from cellulose ether-based hydrogels. <i>Skin Research and Technology</i> , 2019, 25, 725-734.	0.8	60
210	A Noninvasive Accurate Measurement of Blood Glucose Levels with Raman Spectroscopy of Blood in Microvessels. <i>Molecules</i> , 2019, 24, 1500.	1.7	52
211	The Scar Bane, Without the Pain: A New Approach in the Treatment of Elevated Scars: Thermomechanical Delivery of Topical Triamcinolone Acetonide and 5-Fluorouracil. <i>Dermatology and Therapy</i> , 2019, 9, 321-326.	1.4	13
212	Modified normalization method in in vivo stratum corneum analysis using confocal Raman microscopy to compensate nonhomogeneous distribution of keratin. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 945-957.	1.2	25
213	Conserving Bog Bodies: The Key Questions. <i>Journal of Wetland Archaeology</i> , 2019, 19, 67-88.	0.8	0
214	In Vivo Skin Characterizations by Using Opto-Thermal Depth-Resolved Detection Spectra. <i>Cosmetics</i> , 2019, 6, 54.	1.5	2
215	Point-of-care stress detection of muscles using a flexible surface potential measurement prototype. <i>Medical Devices & Sensors</i> , 2019, 2, e10054.	2.7	3
216	Effect of Physical and Chemical Hair Removal Methods on Skin Barrier Function in vitro: Consequences for a Hydrophilic Model Permeant. <i>Skin Pharmacology and Physiology</i> , 2019, 32, 8-21.	1.1	22
217	The toxic edge™ A novel treatment for refractory erythema and flushing of rosacea. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 325-331.	1.1	30
218	An empirical formula for temperature adjustment of complex permittivity of human skin in the terahertz frequencies. <i>Bioelectromagnetics</i> , 2019, 40, 74-79.	0.9	8
219	In vivo Tracking of DNA for Precise Determination of the Stratum Corneum Thickness and Superficial Microbiome Using Confocal Raman Microscopy. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 30-37.	1.1	16
220	A New Method for Percutaneous Drug Delivery by Thermo-Mechanical Fractional Injury. <i>Lasers in Surgery and Medicine</i> , 2020, 52, 61-69.	1.1	20
221	Investigation of TEMPO partitioning in different skin models as measured by EPR spectroscopy – Insight into the stratum corneum. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106637.	1.2	5

#	ARTICLE	IF	CITATIONS
222	Highly Water-Preserving Zwitterionic Betaine-Incorporated Collagen Sponges With Anti-oxidation and Anti-inflammation for Wound Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 491.	1.8	17
223	Modeling lipid layers of atopic skin and observation of changes in lipid layer properties with changes in ceramide content. <i>Journal of Cosmetic Dermatology</i> , 2020, 20, 2924-2931.	0.8	5
224	The subepidermal moisture scanner: the technology explained. <i>Journal of Wound Care</i> , 2020, 29, S4-S9.	0.5	1
225	Characterisation of Biological Materials at THz Frequencies by Attenuated Total Reflection: Lard. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8692.	1.3	7
226	Towards Fingerprint Spoofing Detection in the Terahertz Range. <i>Sensors</i> , 2020, 20, 3379.	2.1	6
227	The subepidermal moisture scanner: the technology explained. <i>Journal of Wound Care</i> , 2020, 29, S10-S16.	0.5	25
228	An in vitro Raman study on compositional correlations of lipids and protein with animal tissue hydration. <i>Vibrational Spectroscopy</i> , 2020, 107, 103022.	1.2	2
229	Development and clinical study of the use of infrared radiation to accelerate the dissolution rate of a microneedle array patch (MAP). <i>Drug Delivery and Translational Research</i> , 2020, 10, 791-800.	3.0	6
230	Contribution of Primary Biological Aerosol Particles to airborne particulate matter in indoor and outdoor environments. <i>Chemosphere</i> , 2021, 264, 128510.	4.2	12
231	Ballistic delivery of compounds to inner layers of the cornea is limited by tough mechanical properties of stromal tissue. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104246.	1.5	1
232	LCV-Pluronic F-127 dosimeter for UV light dose distribution measurements. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 405, 112930.	2.0	9
233	Ionic Liquids for Transdermal Drug Delivery: Choline Geranate System as a Case Study. , 2021, , 35-50.		1
234	Structural Evaluation of the Choline and Geranic Acid/Water Complex by SAXS and NMR Analyses. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 595-604.	2.6	20
235	How to control interactions of cellulose-based biomaterials with skin: the role of acidity in the contact area. <i>Soft Matter</i> , 2021, 17, 6507-6518.	1.2	3
236	Living in Your Skin: Microbes, Molecules, and Mechanisms. <i>Infection and Immunity</i> , 2021, 89, .	1.0	74
237	Electrochemical Therapy of In Vivo Rabbit Cutaneous Tissue. <i>Laryngoscope</i> , 2021, 131, E2196-E2203.	1.1	1
238	Investigation of water bonding status of normal and psoriatic skin in vivo using diffuse reflectance spectroscopy. <i>Scientific Reports</i> , 2021, 11, 8901.	1.6	5
239	Spectroscopy of excised skin patches exposed to THz and far-IR radiation. <i>Biomedical Optics Express</i> , 2021, 12, 4610.	1.5	3

#	ARTICLE	IF	CITATIONS
240	Nanostructured Lipid Carrierâ€‘Mediated Transdermal Delivery of Aceclofenac Hydrogel Present an Effective Therapeutic Approach for Inflammatory Diseases. <i>Frontiers in Pharmacology</i> , 2021, 12, 713616.	1.6	31
241	Ultraflexible Liposome Nanocargo as a Dermal and Transdermal Drug Delivery System. <i>Nanomaterials</i> , 2021, 11, 2557.	1.9	38
242	Topical drug delivery: History, percutaneous absorption, and product development. <i>Advanced Drug Delivery Reviews</i> , 2021, 177, 113929.	6.6	84
243	Skin absorption of mixed halide anions from concentrated aqueous solutions. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105985.	1.9	0
244	Skin hydration as a tool to control the distribution and molecular effects of intermediate polarity compounds in intact stratum corneum. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 874-885.	5.0	5
245	Water gradient and calibration of stratum corneum hydration measurements. , 2007, , 158-160.		4
246	The Baumann Skin Typing System. , 2010, , 929-943.		4
247	Rationale for the Production and Dermal Application of Lipid Vesicles. , 1992, , 82-90.		8
248	Chapter 8 Hydration Injury to Human Skin: A View from the Horny Layer. , 2000, , 76-80.		6
249	Physical Methods of Measuring Stratum Corneum Water Content in Vivo. , 2004, , 112-152.		4
251	Transepidermal water loss: the signal for recovery of barrier structure and function.. <i>Journal of Lipid Research</i> , 1989, 30, 323-333.	2.0	361
252	Modelling terahertz radiation absorption and reflection with computational phantoms of skin and associated appendages. , 2018, , .		10
253	Imaging and lesion ablation modeling in skin using freezing to enhance penetration depth of terahertz radiation. , 2019, , .		3
254	InGaAs detector based Raman spectroscopy for water probing in biological tissue. , 2019, , .		1
255	Biophysical Methods for Stratum Corneum Characterization. <i>Cosmetic Science and Technology Series</i> , 2001, , 185-225.	0.1	4
256	Confocal Raman Spectroscopy for In Vivo Skin Hydration Measurement. , 2009, , 151-164.		5
257	Computational absorption and reflection studies of normal human skin at 045 THz. <i>Biomedical Optics Express</i> , 2020, 11, 417.	1.5	9
258	THz in vivo measurements: the effects of pressure on skin reflectivity. <i>Biomedical Optics Express</i> , 2018, 9, 6467.	1.5	37

#	ARTICLE	IF	CITATIONS
259	Hyperosmotic Stress Reduces Melanin Production by Altering Melanosome Formation. PLoS ONE, 2014, 9, e105965.	1.1	25
260	Estimation of In Vivo Water Content of the Stratum Corneum from Electrical Measurements. Open Biomedical Engineering Journal, 2009, 3, 8-12.	0.7	8
261	Transfersomes and Protransfersome. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 149-169.	0.3	1
262	Improvement of Skin Moisture Capacity through Dietary Beauty Supplement Containing Ceramides Derived from Rice. Korean Journal of Food Science and Technology, 2012, 44, 434-440.	0.0	2
263	Computer Modeling of Skin Barrier Lipid Layers by Molecular Dynamics. Cosmetic Science and Technology Series, 2001, , 75-96.	0.1	0
266	Skin Barrier. , 2009, , 3-18.		1
267	Measuring Water Gradients Using Confocal Raman Microspectroscopy. Basic and Clinical Dermatology, 2009, , 441-462.	0.1	0
268	Mechanisms of Skin Hydration. , 2009, , 91-106.		1
269	Hydration of the Skin Surface. , 2010, , 687-694.		0
270	Molecular Concentration Profiling in Skin Using Confocal Raman Spectroscopy. , 2010, , 735-747.		0
272	Facial moisturizers and eczema. , 2011, , 18-26.		0
273	Study of Skin Elasticity and Perspiration of Elderly Female according to Sasang Constitution (SC). Journal of Sasang Constitutional Medicine, 2012, 24, 60-68.	0.1	0
274	Mild Exercise Suppresses Exacerbation of Dermatitis in NC/Nga Mice: Correlation with b-endorphin Levels. Journal of Clinical & Experimental Dermatology Research, 2013, 04, .	0.1	0
275	Changes in corneocyte element concentrations occur in skin inner stratum corneum. Proceedings Annual Meeting Electron Microscopy Society of America, 1990, 48, 146-147.	0.0	0
276	A technique to obtain quantitative water measurements from high-resolution STEM images of biological specimens. Proceedings Annual Meeting Electron Microscopy Society of America, 1992, 50, 1576-1577.	0.0	0
277	Molecular Concentration Profiling in the Skin Using Confocal Raman Spectroscopy. , 2015, , 1-17.		0
278	Hydration of the Skin Surface. , 2015, , 1-10.		0
279	The Baumann Skin Typing System. , 2015, , 1-19.		0

#	ARTICLE	IF	CITATIONS
281	The Integumentary System and the Ocular Route. , 2015, , 117-164.		0
282	Molecular Concentration Profiling in the Skin Using Confocal Raman Spectroscopy. , 2017, , 1171-1187.		0
283	The Baumann Skin Typing System. , 2017, , 1579-1597.		1
284	Stratum Corneum Dynamic Hydration Test. , 2017, , 341-354.		0
285	Infant Skin Hydration. , 2017, , 149-159.		0
286	Physical Methods to Measure Stratum Corneum Water Content In Vivo. , 2017, , 299-340.		4
287	Depth resolved quantitative profiling of stratum corneum lipids and water content using short-wave infrared spectroscopy. , 2018, , .		1
288	Multiband terahertz imaging simulation of skin using freezing to enhance penetration depth. , 2019, , .		0
289	Transfersomes as alternative topical nanodosage forms for the treatment of skin disorders. Nanomedicine, 2021, 16, 2465-2489.	1.7	9
291	Objective Assessment Techniques: Physiological Parameters in Scar Assessment. , 2020, , 159-167.		0
293	Effects of High-Intensity Endurance Exercise on Epidermal Barriers against Microbial Invasion. Journal of Sports Science and Medicine, 2013, 12, 44-51.	0.7	6
294	A personalized FEM model for reproducible measurement of anti-inflammatory drugs in transdermal administration to knee. Scientific Reports, 2022, 12, 673.	1.6	1
295	Depth-dependent hydration dynamics in human skin: Vehicle-controlled efficacy assessment of a functional 10% urea plus NMF moisturizer by near-infrared confocal spectroscopic imaging (KOSIM IR) and capacitance method complemented by volunteer perception. Skin Research and Technology, 2022, 28, 342-349.	0.8	5
296	Strong and tough, pH sensible, interpenetrating network hydrogels based on gelatin and poly(methacrylic acid). Polymer Engineering and Science, 2022, 62, 622-636.	1.5	12
299	The use of optical coherence tomography for skin evaluation in healthy rats. Veterinary Dermatology, 2022, 33, 296.	0.4	2
300	Epidermal Immunity and Function: Origin in Neonatal Skin. Frontiers in Molecular Biosciences, 0, 9, .	1.6	7
301	Strong correlation between specific heat capacity and water content in human tissues suggests preferred heat deposition in malignant tumors upon electromagnetic irradiation. International Journal of Hyperthermia, 2022, 39, 987-997.	1.1	7
302	A comprehensive comparison of facial skin hydration based on capacitance and conductance measurements in Chinese women. International Journal of Cosmetic Science, 2022, 44, 703-718.	1.2	2

#	ARTICLE	IF	CITATIONS
303	Conformal sensor-based harmonic wave technique for in-vivo non-invasive monitoring skin water content. International Journal of Heat and Mass Transfer, 2022, 197, 123328.	2.5	3
304	Recent Nanoscale Carriers for Therapy of Alzheimer's Disease: Current Strategies and Perspectives. Current Medicinal Chemistry, 2023, 30, 3743-3774.	1.2	3
305	Convolutional neural networks-based method for skin hydration measurements in high resolution MRI. Biomedical Signal Processing and Control, 2023, 81, 104491.	3.5	4
306	Moisturizing at a molecular level – The basis of Corneocare. International Journal of Cosmetic Science, 2023, 45, 133-154.	1.2	1
307	Poly(methacrylic acid)/gelatin interpenetrating network hydrogels reinforced by nano-structured hydroxyapatite particles – improved drug delivery systems. International Journal of Polymeric Materials and Polymeric Biomaterials, 2024, 73, 417-431.	1.8	1
308	Feasibility of Skin Water Content Imaging Using CMOS Sensors. Sensors, 2023, 23, 919.	2.1	3
309	Physical Methods to Measure Stratum Corneum Water Content In Vivo. , 2015, , 1-43.		0
310	Infant Skin Hydration. , 2015, , 1-11.		0
311	FDTD Simulations of Sweat Ducts and Hair at 0.45 THz. Dermato, 2023, 3, 69-84.	0.6	2