

Gwendal Josse

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,151
citations

430874

18
h-index

395702

33
g-index

55
all docs

55
docs citations

55
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the mechanical properties of skin by inverse analysis combined with the indentation test. <i>Journal of Biomechanics</i> , 2006, 39, 1603-1610.	2.1	186
2	A nonlinear elastic behavior to identify the mechanical parameters of human skin <i>in vivo</i> . <i>Skin Research and Technology</i> , 2008, 14, 152-164.	1.6	125
3	Association between collagen production and mechanical stretching in dermal extracellular matrix: In vivo effect of cross-linked hyaluronic acid filler. A randomised, placebo-controlled study. <i>Journal of Dermatological Science</i> , 2013, 69, 187-194.	1.9	76
4	Confocal Raman microspectroscopy for skin characterization: a comparative study between human skin and pig skin. <i>Analyst</i> , 2012, 137, 3673-3682.	3.5	73
5	MEASURING INTERFACIAL ADHESION BETWEEN A SOFT VISCOELASTIC LAYER AND A RIGID SURFACE USING A PROBE METHOD. <i>Journal of Adhesion</i> , 2004, 80, 87-118.	3.0	59
6	A new experimental method for measuring skin's natural tension. <i>Skin Research and Technology</i> , 2007, 14, 070319103351009-???	1.6	50
7	Measurement of the mechanical properties of the skin using the suction test. <i>Skin Research and Technology</i> , 2006, 12, 24-31.	1.6	40
8	Prevalence of dermatoporosis in elderly French hospital in-patients: a cross-sectional study. <i>British Journal of Dermatology</i> , 2012, 166, 442-443.	1.5	39
9	Skin anisotropy in vivo and initial natural stress effect: A quantitative study using high-frequency static elastography. <i>Journal of Biomechanics</i> , 2012, 45, 2860-2865.	2.1	37
10	Elastin Modification by 4-Hydroxynonenal in Hairless Mice Exposed to UV-A. Role in Photoaging and Actinic Elastosis. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1873-1881.	0.7	35
11	High bacterial colonization and lipase activity in microcomedones. <i>Experimental Dermatology</i> , 2020, 29, 168-176.	2.9	33
12	In vivo visualization of hyaluronic acid injection by high spatial resolution T2parametric magnetic resonance images. <i>Skin Research and Technology</i> , 2007, 13, 385-389.	1.6	31
13	Characterization of the mechanical properties of skin by inverse analysis combined with an extensometry test. <i>Wear</i> , 2008, 264, 405-410.	3.1	25
14	Monitoring caffeine and resveratrol cutaneous permeation by confocal Raman microspectroscopy. <i>Journal of Biophotonics</i> , 2014, 7, 676-681.	2.3	25
15	4-Hydroxynonenal impairs transforming growth factor- β 1-induced elastin synthesis via epidermal growth factor receptor activation in human and murine fibroblasts. <i>Free Radical Biology and Medicine</i> , 2014, 71, 427-436.	2.9	25
16	Automatic measurement of epidermal thickness from optical coherence tomography images using a new algorithm. <i>Skin Research and Technology</i> , 2011, 17, 314-319.	1.6	24
17	In-vivo imaging of skin under stress: potential of high-frequency (20 MHz) static 2-D elastography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 925-935.	3.0	20
18	Joint segmentation and characterization of the dermis in 50 MHz ultrasound 2D and 3D images of the skin. <i>Computers in Biology and Medicine</i> , 2018, 103, 277-286.	7.0	19

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19	Sub-optimal Application of a High SPF Sunscreen Prevents Epidermal DNA Damage in Vivo. <i>Acta Dermato-Venereologica</i> , 2018, 98, 880-887.	1.3	18
20	Raman characterization of human skin aging. <i>Skin Research and Technology</i> , 2019, 25, 270-276.	1.6	18
21	Assessment of the clinical efficacy of a hyaluronic acid-based deep wrinkle filler using new instrumental methods. <i>Journal of Cosmetic and Laser Therapy</i> , 2010, 12, 195-202.	0.9	17
22	Vibrational spectroscopies for the analysis of cutaneous permeation: experimental limiting factors identified in the case of caffeine penetration. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1325-1332.	3.7	15
23	A multitechnique evaluation of topical corticosteroid treatment. <i>Skin Research and Technology</i> , 2009, 15, 35-39.	1.6	14
24	Shedding light on the laser wavelength effect in Raman analysis of skin epidermises. <i>Analyst, The</i> , 2012, 137, 4241.	3.5	12
25	A post-processing method for multiexponential spin-spin relaxation analysis of MRI signals. <i>Physics in Medicine and Biology</i> , 2005, 50, 3755-3772.	3.0	10
26	A human skin ultrasonic imaging to analyse its mechanical properties. <i>European Journal of Computational Mechanics</i> , 2009, 18, 105-116.	0.6	10
27	Follow up study of dermal hyaluronic acid injection by high frequency ultrasound and magnetic resonance imaging. <i>Journal of Dermatological Science</i> , 2010, 57, 214-216.	1.9	10
28	Dermal fiber structures and photoaging. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	10
29	High spatial resolution quantitative MR images: an experimental study of dedicated surface coils. <i>Physics in Medicine and Biology</i> , 2006, 51, 2843-2855.	3.0	9
30	Quantitative magnetic resonance imaging of subcutaneous adipose tissue. <i>Skin Research and Technology</i> , 2009, 15, 45-50.	1.6	8
31	Wavelet-based statistical classification of skin images acquired with reflectance confocal microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 5450.	2.9	8
32	Mechanical skin thinning-to-thickening transition observed in vivo through 2D high frequency elastography. <i>Journal of Biomechanics</i> , 2010, 43, 2954-2962.	2.1	7
33	Visualization of dendritic cells™ responses in atopic dermatitis: Preventing effect of emollient. <i>Experimental Dermatology</i> , 2018, 27, 374-377.	2.9	7
34	Dual-parameter optimisation of the elastic properties of skin. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 83-92.	1.6	6
35	The use of suction blisters to measure sunscreen protection against UVR-induced DNA damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 1-6.	3.8	6
36	Human immunodeficiency virus atrophy induces modification of subcutaneous adipose tissue architecture: <i>in vivo</i> visualization by high-resolution magnetic resonance imaging. <i>British Journal of Dermatology</i> , 2009, 160, 741-746.	1.5	5

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37	Follow-up of solar lentigo depigmentation with a retinaldehyde-based cream by clinical evaluation and calibrated colour imaging. <i>Skin Research and Technology</i> , 2015, 21, 241-246.	1.6	5
38	An unsupervised Bayesian approach for the joint reconstruction and classification of cutaneous reflectance confocal microscopy images. , 2017, , .		5
39	Use of the Kalman filters for the analysis of the mechanical properties of human skin <i>in vivo</i> . <i>Inverse Problems in Science and Engineering</i> , 2008, 16, 325-347.	1.2	4
40	Efficacy of D-pigment dermocosmetic lightening product for solar lentigo lesions of the hand: A randomized controlled trial. <i>PLoS ONE</i> , 2019, 14, e0214714.	2.5	4
41	Lipid Droplets Proteins in Acne Skin. A sound target for the maintenance of low comedogenic sebum and acne-prone skin health.. <i>JID Innovations</i> , 2021, 1, 100057.	2.4	4
42	A method to individually consider the dermis thickness for skin mechanical analyses. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2008, 11, 81-82.	1.6	3
43	Statistical modeling and classification of reflectance confocal microscopy images. , 2017, , .		3
44	Protection against summer solar lentigo over-pigmentation with a SPF 30 daily cream. <i>Skin Research and Technology</i> , 2018, 24, 485-489.	1.6	3
45	Method for the accurate determination of the <i>scp</i> DNA protection factor of sun protection products. <i>British Journal of Dermatology</i> , 2020, 183, 178-179.	1.5	3
46	A new stochastic inverse identification of the mechanical properties of human skin. <i>Engineering Optimization</i> , 2011, 43, 61-75.	2.6	2
47	High frequency elastography for in-vivo study of the mechanical behavior of skin. , 0, , .		1
48	P1B-2 In-Vivo Exploration of the Mechanical Properties of Healthy and Pathological Human Dermis with 2D High Resolution Elastography. , 2006, , .		1
49	Exploration of abnormal skin tissue (Marfan syndrome) with 2D high resolution elastography. , 2009, , .		1
50	4J-6 In Vivo High Frequency Elastography for Mechanical Behavior of Human Skin Under Suction Stress: Elastograms and Kinetics of Shear, Axial and Lateral Strain Fields. , 2006, , .		0
51	An inverse identification of the mechanical properties of human skin. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2007, 10, 195-196.	1.6	0
52	Confocal Raman Microspectroscopy of Skin: Study of Signal Variability and Effect of Excitation Wavelength. , 2010, , .		0
53	Photo-induced modification of elastin by 4-hydroxynonenal adducts: A role in skin photoageing?. <i>Free Radical Biology and Medicine</i> , 2012, 53, S255.	2.9	0
54	Accessing deep optical properties of skin using diffuse reflectance spectroscopy. , 2015, , .		0

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55	Optical coherence tomography: An efficient imaging method for the visualization of human epidermis orientation. <i>Skin Research and Technology</i> , 2018, 24, 340-342.	1.6	0