

Sung-Jan Lin

List of Publications by Year in descending order

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148
papers

4,298
citations

81839

39
h-index

133188

59
g-index

150
all docs

150
docs citations

150
times ranked

5039
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor-Associated Macrophage-Induced Invasion and Angiogenesis of Human Basal Cell Carcinoma Cells by Cyclooxygenase-2 Induction. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1016-1025.	0.3	292
2	Evaluating cutaneous photoaging by use of multiphoton fluorescence and second-harmonic generation microscopy. <i>Optics Letters</i> , 2005, 30, 2275.	1.7	232
3	Discrimination of basal cell carcinoma from normal dermal stroma by quantitative multiphoton imaging. <i>Optics Letters</i> , 2006, 31, 2756.	1.7	196
4	Multiphoton Autofluorescence and Second-Harmonic Generation Imaging of the Ex Vivo Porcine Eye. , 2006, 47, 1216.		154
5	Investigating Mechanisms of Collagen Thermal Denaturation by High Resolution Second-Harmonic Generation Imaging. <i>Biophysical Journal</i> , 2006, 91, 2620-2625.	0.2	139
6	Multiple Release Kinetics of Targeted Drug from Gold Nanorod Embedded Polyelectrolyte Conjugates Induced by Near-Infrared Laser Irradiation. <i>Journal of the American Chemical Society</i> , 2010, 132, 14163-14171.	6.6	106
7	Multiphoton Fluorescence and Second Harmonic Generation Imaging of the Structural Alterations in Keratoconus Ex Vivo. , 2006, 47, 5251.		96
8	Topology of Feather Melanocyte Progenitor Niche Allows Complex Pigment Patterns to Emerge. <i>Science</i> , 2013, 340, 1442-1445.	6.0	94
9	Chemical enhancer induced changes in the mechanisms of transdermal delivery of zinc oxide nanoparticles. <i>Biomaterials</i> , 2009, 30, 3002-3008.	5.7	92
10	Self-assembly of dermal papilla cells into inductive spheroidal microtissues on poly(ethylene-co-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf .	5.7	89
11	Scalable production of controllable dermal papilla spheroids on PVA surfaces and the effects of spheroid size on hair follicle regeneration. <i>Biomaterials</i> , 2013, 34, 442-451.	5.7	89
12	Monitoring the thermally induced structural transitions of collagen by use of second-harmonic generation microscopy. <i>Optics Letters</i> , 2005, 30, 622.	1.7	83
13	Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. <i>Cell</i> , 2020, 182, 578-593.e19.	13.5	81
14	Therapeutic strategy for hair regeneration: hair cycle activation, niche environment modulation, wound-induced follicle neogenesis, and stem cell engineering. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 377-391.	1.4	79
15	Human leucocyte antigenâ€Cw6 as a predictor for clinical response to ustekinumab, an interleukinâ€C12/23 blocker, in Chinese patients with psoriasis: a retrospective analysis. <i>British Journal of Dermatology</i> , 2014, 171, 1181-1188.	1.4	78
16	Multiphoton microscopy in dermatological imaging. <i>Journal of Dermatological Science</i> , 2009, 56, 1-8.	1.0	74
17	Functional complexity of hair follicle stem cell niche and therapeutic targeting of niche dysfunction for hair regeneration. <i>Journal of Biomedical Science</i> , 2020, 27, 43.	2.6	73
18	Formation of melanocyte spheroids on the chitosan-coated surface. <i>Biomaterials</i> , 2005, 26, 1413-1422.	5.7	69

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37	Characterizing the thermally induced structural changes to intact porcine eye, part 1: second harmonic generation imaging of cornea stroma. <i>Journal of Biomedical Optics</i> , 2005, 10, 054019.	1.4	43
38	Multiphoton microscopy: a new paradigm in dermatological imaging. <i>European Journal of Dermatology</i> , 2007, 17, 361-6.	0.3	43
39	Polarization ellipticity compensation in polarization second-harmonic generation microscopy without specimen rotation. <i>Journal of Biomedical Optics</i> , 2008, 13, 014005.	1.4	42
40	Stress-induced premature senescence of dermal papilla cells compromises hair follicle epithelial-mesenchymal interaction. <i>Journal of Dermatological Science</i> , 2017, 86, 114-122.	1.0	40
41	Efficacy and Safety of a Low-Level Light Therapy for Androgenetic Alopecia: A 24-Week, Randomized, Double-Blind, Self-Comparison, Sham Device-Controlled Trial. <i>Dermatologic Surgery</i> , 2018, 44, 1411-1420.	0.4	40
42	Quantifying thermodynamics of collagen thermal denaturation by second harmonic generation imaging. <i>Applied Physics Letters</i> , 2009, 94, 233902.	1.5	38
43	Enhanced cell survival of melanocyte spheroids in serum starvation condition. <i>Biomaterials</i> , 2006, 27, 1462-1469.	5.7	37
44	Inducible deletion of the Blimp-1 gene in adult epidermis causes granulocyte-dominated chronic skin inflammation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6476-6481.	3.3	36
45	Mobilizing Transit-Amplifying Cell-Derived Ectopic Progenitors Prevents Hair Loss from Chemotherapy or Radiation Therapy. <i>Cancer Research</i> , 2017, 77, 6083-6096.	0.4	36
46	Studies of Intracorneal Distribution and Cytotoxicity of Quantum Dots: Risk Assessment of Eye Exposure. <i>Chemical Research in Toxicology</i> , 2011, 24, 253-261.	1.7	34
47	Disrupted Ectodermal Organ Morphogenesis in Mice with a Conditional Histone Deacetylase 1, 2 Deletion in the Epidermis. <i>Journal of Investigative Dermatology</i> , 2014, 134, 24-32.	0.3	33
48	Visible red light enhances physiological anagen entry in vivo and has direct and indirect stimulative effects in vitro. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 50-59.	1.1	33
49	Inducing hair follicle neogenesis with secreted proteins enriched in embryonic skin. <i>Biomaterials</i> , 2018, 167, 121-131.	5.7	29
50	HLA-Cw6 specificity and polymorphic residues are associated with susceptibility among Chinese psoriatics in Taiwan. <i>Archives of Dermatological Research</i> , 2002, 294, 214-220.	1.1	27
51	Multiphoton polarization and generalized polarization microscopy reveal oleic-acid-induced structural changes in intercellular lipid layers of the skin. <i>Optics Letters</i> , 2004, 29, 2013.	1.7	27
52	Imaging tissue engineering scaffolds using multiphoton microscopy. <i>Microscopy Research and Technique</i> , 2008, 71, 140-145.	1.2	27
53	Factors from Human Embryonic Stem Cell-derived Fibroblast-like Cells Promote Topology-dependent Hepatic Differentiation in Primate Embryonic and Induced Pluripotent Stem Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33510-33519.	1.6	26
54	Anagen hair follicle repair: Timely regenerative attempts from plastic extra-bulge epithelial cells. <i>Experimental Dermatology</i> , 2019, 28, 406-412.	1.4	26

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55	In search of the Golden Fleece: unraveling principles of morphogenesis by studying the integrative biology of skin appendages. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 388.	0.6	25
56	A Two-Stepped Culture Method for Efficient Production of Trichogenic Keratinocytes. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 1070-1079.	1.1	25
57	Hedgehog signaling reprograms hair follicle niche fibroblasts to a hyper-activated state. <i>Developmental Cell</i> , 2022, 57, 1758-1775.e7.	3.1	25
58	Effects of objective numerical apertures on achievable imaging depths in multiphoton microscopy. <i>Microscopy Research and Technique</i> , 2004, 65, 308-314.	1.2	23
59	Counteracting Cisplatin-Induced Testicular Damages by Natural Polyphenol Constituent Honokiol. <i>Antioxidants</i> , 2020, 9, 723.	2.2	23
60	Biomaterial mediated epithelial-mesenchymal interaction of salivary tissue under serum free condition. <i>Biomaterials</i> , 2010, 31, 288-295.	5.7	22
61	Multiphoton Fluorescence and Second-Harmonic-Generation Microscopy for Imaging Structural Alterations in Corneal Scar Tissue in Penetrating Full-Thickness Wound. <i>JAMA Ophthalmology</i> , 2007, 125, 977.	2.6	21
62	Programmable Laser-Assisted Surface Microfabrication on a Poly(Vinyl Alcohol)-Coated Glass Chip with Self-Changing Cell Adhesivity for Heterotypic Cell Patterning. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22322-22332.	4.0	21
63	Enhancing hair follicle regeneration by nonablative fractional laser: Assessment of irradiation parameters and tissue response. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 331-341.	1.1	20
64	Label-free imaging of Drosophila larva by multiphoton autofluorescence and second harmonic generation microscopy. <i>Journal of Biomedical Optics</i> , 2008, 13, 050502.	1.4	19
65	Visualizing laser-skin interaction in vivo by multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 024034.	1.4	18
66	Single-wavelength reflected confocal and multiphoton microscopy for tissue imaging. <i>Journal of Biomedical Optics</i> , 2009, 14, 054026.	1.4	17
67	Visualizing radiofrequency-skin interaction using multiphoton microscopy in vivo. <i>Journal of Dermatological Science</i> , 2012, 65, 95-101.	1.0	17
68	The use of polyethylenimine-DNA to topically deliver hTERT to promote hair growth. <i>Gene Therapy</i> , 2012, 19, 86-93.	2.3	17
69	Digital infarcts showing microangiopathy in adult dermatomyositis suggest severe pulmonary involvement and poor prognosis. <i>British Journal of Dermatology</i> , 2004, 150, 1214-1216.	1.4	16
70	Erythema ab igne Caused by Frequent Hot Bathing. <i>Acta Dermato-Venereologica</i> , 2002, 82, 478-479.	0.6	15
71	Multiphoton autofluorescence spectral analysis for fungus imaging and identification. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	15
72	Intravital multiphoton microscopic imaging platform for ocular surface imaging. <i>Experimental Eye Research</i> , 2019, 182, 194-201.	1.2	15

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73	A woman with iatrogenic androgenetic alopecia responding to finasteride. <i>British Journal of Dermatology</i> , 2007, 156, 754-755.	1.4	14
74	Serpentine Supravenous Hyperpigmentation. <i>New England Journal of Medicine</i> , 2010, 363, e8.	13.9	14
75	Activation of mTORC1 Signaling is Required for Timely Hair Follicle Regeneration from Radiation Injury. <i>Radiation Research</i> , 2017, 188, 761-769.	0.7	14
76	Targeting ER protein TXNDC5 in hepatic stellate cell mitigates liver fibrosis by repressing non-canonical TGF β 2 signalling. <i>Gut</i> , 2022, 71, 1876-1891.	6.1	13
77	Adult Multiple Xanthogranulomas with Spontaneous Resolution. <i>Acta Dermato-Venereologica</i> , 2003, 83, 157-158.	0.6	11
78	Effects of different immersion media in multiphoton imaging of the epithelium and dermis of human skin. <i>Microscopy Research and Technique</i> , 2006, 69, 992-997.	1.2	9
79	HSD3B1 gene polymorphism and female pattern hair loss in women with polycystic ovary syndrome. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 1225-1231.	0.8	9
80	Validation study of a new reconstructed human epidermis model EPI TRI for in vitro skin irritation test according to OECD guidelines. <i>Toxicology in Vitro</i> , 2021, 75, 105197.	1.1	8
81	Dorsal Skin Fold Chamber for High Resolution Multiphoton Imaging. <i>Optical and Quantum Electronics</i> , 2005, 37, 1439-1445.	1.5	7
82	A Painful Bulge in the Left Flank. <i>JAMA - Journal of the American Medical Association</i> , 2013, 310, 639.	3.8	7
83	Preclinical evaluation of melanocyte transplantation by chitosan-based melanocyte spheroid patch to skin prepared by controlled sunburn blistering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2535-2543.	1.6	7
84	Lower proximal cup and outer root sheath cells regenerate hair bulbs during anagen hair follicle repair after chemotherapeutic injury. <i>Experimental Dermatology</i> , 2021, 30, 503-511.	1.4	7
85	Early development of cutaneous cancer revealed by intravital nonlinear optical microscopy. <i>Applied Physics Letters</i> , 2010, 97, 113702.	1.5	6
86	Porphyria Cutanea Tarda. <i>New England Journal of Medicine</i> , 2011, 365, 1128-1128.	13.9	6
87	Regenerative metamorphosis in hairs and feathers: follicle as a programmable biological printer. <i>Experimental Dermatology</i> , 2015, 24, 262-264.	1.4	6
88	Quantitative assessment of female pattern hair loss. <i>Dermatologica Sinica</i> , 2015, 33, 142-145.	0.2	6
89	Proteomic Analysis Reveals Anti-Fibrotic Effects of Blue Light Photobiomodulation on Fibroblasts. <i>Lasers in Surgery and Medicine</i> , 2020, 52, 358-372.	1.1	6
90	Infestation by Norwegian scabies. <i>Cmaj</i> , 2009, 181, 289-289.	0.9	5

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91	Female Pattern Hair Loss in a Patient with 17 β -hydroxylase Deficiency. <i>Acta Dermato-Venereologica</i> , 2010, 90, 329-330.	0.6	5
92	Minoxidil improved hair density in an Asian girl with short anagen syndrome: a case report and review of literature. <i>International Journal of Dermatology</i> , 2016, 55, 1268-1271.	0.5	5
93	Label-free discrimination of normal and pulmonary cancer tissues using multiphoton fluorescence ratiometric microscopy. <i>Applied Physics Letters</i> , 2010, 97, 043706.	1.5	4
94	Toward the Isolation and Culture of Melanocyte Stem Cells. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2341-2343.	0.3	4
95	<scp>ABCG</scp>2 deficiency in skin impairs reâ€œepithelialization in cutaneous wound healing. <i>Experimental Dermatology</i> , 2016, 25, 355-361.	1.4	4
96	3-D Cell Segmentation by Improved V-Net Architecture Using Edge and Boundary Labels. , 2019, , .		4
97	Increased risk of chronic kidney disease in patients with rosacea: A nationwide population-based matched cohort study. <i>PLoS ONE</i> , 2017, 12, e0180446.	1.1	4
98	Editorial: Hair Follicle Stem Cell Regeneration in Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 799268.	1.8	4
99	The combination of multiphoton and reflected confocal microscopy for cornea imaging. , 2006, 6138, 114.		3
100	Forward- and backward-second harmonic generation imaging of corneal and scleral collagen. <i>Proceedings of SPIE</i> , 2008, , .	0.8	3
101	MULTIPHOTON MICROSCOPY: A NEW APPROACH, IN PHYSIOLOGICAL STUDIES AND PATHOLOGICAL DIAGNOSIS FOR OPHTHALMOLOGY. <i>Journal of Innovative Optical Health Sciences</i> , 2009, 02, 45-60.	0.5	3
102	Oleic acid-enhanced transdermal delivery pathways of fluorescent nanoparticles. <i>Applied Physics Letters</i> , 2012, 100, 213701.	1.5	3
103	Cell Segmentation Algorithm Using Double Thresholding with Morphology-Based Techniques. , 2018, , .		3
104	Long-Term Intravital Imaging of the Cornea, Skin, and Hair Follicle by Multiphoton Microscope. <i>Methods in Molecular Biology</i> , 2019, 2150, 131-140.	0.4	3
105	Imaging Condition Optimization in Multiphoton Microscopy of Threeâ€œDimensional Collagen Fiber Structures. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 1115-1120.	0.8	2
106	Monitoring photoaging by use of multiphoton fluorescence and second harmonic generation microscopy. , 2006, , .		2
107	Characterizing phase-separated microstructure of polymeric blended membrane using combined multiphoton and reflected confocal imaging. <i>Optics Express</i> , 2008, 16, 3818.	1.7	2
108	Discrimination of collagen in normal and pathological dermis through polarization second harmonic generation. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2

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109	Second-order susceptibility imaging with polarization-resolved second harmonic generation microscopy. , 2010, , .		2
110	Differentiation of normal and cancerous lung tissues by multiphoton imaging. , 2010, , .		2
111	Red Papules on the Tongue of a Patient With Hemiparesis. JAMA - Journal of the American Medical Association, 2014, 312, 741.	3.8	2
112	Extensive scleredema adutorum with loss of eccrine glands. Journal of the American Academy of Dermatology, 2014, 71, e99-e101.	0.6	2
113	Extensive cicatricial alopecia in a patient with long-term trichotillomania. Journal of Dermatology, 2016, 43, 226-228.	0.6	2
114	Quantitative multiphoton imaging for guiding basal-cell carcinoma removal. , 2007, , .		2
115	Multiphoton optical biopsy. , 0, , .		1
116	Monitoring chemically enhanced transdermal delivery pathways of luminescent quantum dots by multiphoton microscopy. , 0, , .		1
117	Multiphoton fluorescence and second harmonic generation microscopy of different skin states. , 2005, , .		1
118	Applications of multiphoton polarization and generalized polarization microscopy in elucidating transdermal delivery pathways. , 2005, 5686, 59.		1
119	Imaging of skin dermal thermal damage by multiphoton autofluorescence and second harmonic generation (SHG) microscopy. , 2006, , .		1
120	Utilizing nonlinear optical microscopy to investigate the development of early cancer in nude mice in vivo. , 2007, , .		1
121	Three-dimensional skin imaging using the combination of reflected confocal and multiphoton microscopy. , 2007, , .		1
122	Second-harmonic generation investigation of collagen thermal denaturation. , 2007, , .		1
123	Investigation of the mechanism of transdermal penetration enhancer: a comparison of multiphoton microscopy and electron microscopy. Proceedings of SPIE, 2008, , .	0.8	1
124	Monitoring laser-tissue interaction by non-linear optics. Proceedings of SPIE, 2008, , .	0.8	1
125	Monitoring chemically enhanced transdermal delivery of zinc oxide nanoparticles by using multiphoton microscopy. Proceedings of SPIE, 2010, , .	0.8	1
126	Hair Follicle Stem Cells and Hair Regeneration. , 2020, , 265-296.		1

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127	Assessment of melanin distribution in epidermolysis bullosa simplex with mottled pigmentation: A case report. <i>Journal of Dermatology</i> , 2022, 49, .	0.6	1
128	Multiphoton characterization of tissue engineering scaffolds. , 0, , .		0
129	Multiphoton imaging of porcine eye: cornea, limbus, conjunctiva, and sclera. , 0, , .		0
130	Monitoring the transdermal delivery of fluorescent nanoparticles using multiphoton fluorescence microscopy. , 2004, , .		0
131	Ophthalmologic imaging using multiphoton microscopy. , 2005, , .		0
132	Two-photon and second harmonic generation microscopy of porcine eye: implications to conductive keratoplasty. , 2005, , .		0
133	Characterization of thermally induced transitions of collagen using second harmonic generation (SHG) microscopy. , 2005, , .		0
134	A Cervical Congenital Atrophic Band With a Nipplelike Projectionâ€™ Quiz Case. <i>Archives of Dermatology</i> , 2005, 141, 1161-6.	1.7	0
135	Multiphoton fluorescence and second harmonic generation microscopy for imaging keratoconus. , 2006, , .		0
136	Multiphoton microscopy for imaging infectious keratitis: demonstration of the pattern of microbial spread in an experimental model. , 2006, 6138, 426.		0
137	Monitoring of collagen shrinkage by use of second harmonic generation microscopy. , 2006, , .		0
138	THE EFFECT OF SERUM CONCENTRATION ON THE SPHEROID FORMING ACTIVITY AND CELL GROWTH OF HUMAN MELANOCYTES ON CHITOSAN SURFACE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2006, 18, 42-46.	0.3	0
139	In-vitro visualization of corneal wound healing in an organ culture model using multiphoton autofluorescence and second harmonic generation microscopy. , 2007, , .		0
140	Structural analysis of blended materials using multiphoton autofluorescence and second harmonic generation microscopy. , 2007, , .		0
141	Demonstration of structural alterations in experimental corneal infectious model using multiphoton microscopy. , 2007, , .		0
142	Label-free in vivo imaging of <i>Drosophila melanogaster</i> by multiphoton microscopy. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
143	Melanocyte stem cell activities and pigment pattern formation in regenerating feathers. <i>Journal of Dermatological Science</i> , 2013, 69, e88.	1.0	0
144	CHARACTERIZING THREE-DIMENSIONAL MICROSTRUCTURE OF COLLAGEN/CHITOSAN SCAFFOLDS USING MULTIPHOTON MICROSCOPE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013, 25, 1350038.	0.3	0

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145	Inducing hair follicle organogenesis with defined environmental protein factors. Journal of Dermatological Science, 2016, 84, e153.	1.0	0
146	A Custom Multiphoton Microscopy Platform for Live Imaging of Mouse Cornea and Conjunctiva. Journal of Visualized Experiments, 2020, , .	0.2	0
147	Hair Follicle Stem Cells and Hair Regeneration. , 2020, , 1-32.		0
148	Depilatory laser miniaturizes hair by inducing bystander dermal papilla cell necrosis through thermal diffusion. Lasers in Surgery and Medicine, 2022, , .	1.1	0