Eric R Tkaczyk

List of Publications by Year
in descending order

68 papers	742 citations	623574 14 h-index	580701 25 g-index
71 all docs	71 docs citations	71 times ranked	913 citing authors

#	Article	IF	Citations
1	National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: IIa. The 2020 Clinical Implementation and Early Diagnosis Working Group Report. Transplantation and Cellular Therapy, 2021, 27, 545-557.	0.6	72
2	Checklist for Evaluation of Image-Based Artificial Intelligence Reports in Dermatology. JAMA Dermatology, 2022, 158, 90.	2.0	71
3	miR-146b Probably Assists miRNA-146a inÂthe Suppression of Keratinocyte Proliferation and Inflammatory ResponsesÂin Psoriasis. Journal of Investigative Dermatology, 2017, 137, 1945-1954.	0.3	68
4	In vivo monitoring of multiple circulating cell populations using two-photon flow cytometry. Optics Communications, 2008, 281, 888-894.	1.0	51
5	Kinetic properties of ASC protein aggregation in epithelial cells. Journal of Cellular Physiology, 2010, 222, 738-747.	2.0	45
6	Pre-administration of PepFect6-microRNA-146a nanocomplexes inhibits inflammatory responses in keratinocytes and in a mouse model of irritant contact dermatitis. Journal of Controlled Release, 2016, 235, 195-204.	4.8	42
7	Fiber-optic multiphoton flow cytometry in whole blood and in vivo. Journal of Biomedical Optics, 2010, 15, 047004.	1.4	33
8	miRâ€10aâ€5p is increased in atopic dermatitis and has capacity to inhibit keratinocyte proliferation. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2146-2156.	2.7	31
9	Quantitative two-photon flow cytometryâ€"in vitro and in vivo. Journal of Biomedical Optics, 2008, 13, 034008.	1.4	30
10	Multiphoton flow cytometry strategies and applications. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 775-788.	1.1	27
11	Innovations and Developments in Dermatologic Non-invasive Optical Imaging and Potential Clinical Applications. Acta Dermato-Venereologica, 2017, Suppl 218, 5-13.	0.6	24
12	Reproducibility of the durometer and myoton devices for skin stiffness measurement in healthy subjects. Skin Research and Technology, 2019, 25, 289-293.	0.8	24
13	National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: IIb. The 2020 Preemptive Therapy Working Group Report. Transplantation and Cellular Therapy, 2021, 27, 632-641.	0.6	21
14	Vectorial laws of refraction and reflection using the cross product and dot product. Optics Letters, 2012, 37, 972.	1.7	15
15	MICROFLUIDIC DROPLET CONSISTENCY MONITORING AND ENCAPSULATED CELL DETECTION VIA LASER EXCITATION. Journal of Mechanics in Medicine and Biology, 2011, 11, 1-14.	0.3	14
16	Control of the blue fluorescent protein with advanced evolutionary pulse shaping. Biochemical and Biophysical Research Communications, 2008, 376, 733-737.	1.0	13
17	Extended cavity laser enhanced two-photon flow cytometry. Journal of Biomedical Optics, 2008, 13, 041319.	1.4	11
18	Control of Two-photon Fluorescence of Common Dyes and Conjugated Dyes. Journal of Fluorescence, 2009, 19, 517-532.	1.3	9

#	Article	IF	Citations
19	Overcoming human disagreement assessing erythematous lesion severity on 3D photos of chronic graft-versus-host disease. Bone Marrow Transplantation, 2018, 53, 1356-1358.	1.3	9
20	Non-invasive measurement of sclerosis in cutaneous cGVHD patients with the handheld device Myoton: a cross-sectional study. Bone Marrow Transplantation, 2019, 54, 616-619.	1.3	9
21	Expanding Personalized, Data-Driven Dermatology: Leveraging Digital Health Technology and Machine Learning to Improve Patient Outcomes. JID Innovations, 2022, 2, 100105.	1.2	9
22	Physicochemical properties of blue fluorescent protein determined via molecular dynamics simulation. Biopolymers, 2008, 89, 1136-1143.	1.2	8
23	Individual cell motion in healthy human skin microvasculature by reflectance confocal video microscopy. Microcirculation, 2020, 27, e12621.	1.0	8
24	Longitudinal tracking of skin dynamic stiffness to quantify evolution of sclerosis in chronic graft-versus-host disease. Bone Marrow Transplantation, 2021, 56, 989-991.	1.3	7
25	Two-photon, two-color in vivo flow cytometry to noninvasively monitor multiple circulating cell lines. , 2007, , .		6
26	Features of cutaneous acute graftâ€versusâ€host disease by reflectance confocal microscopy. British Journal of Dermatology, 2019, 181, 829-831.	1.4	6
27	The Anatomic Distribution of Skin Involvement in Patients with Incident Chronic Graft-versus-Host Disease. Biology of Blood and Marrow Transplantation, 2019, 25, 279-286.	2.0	6
28	Interobserver Reproducibility of the Myoton and Durometer Devices to Measure Skin Stiffness and Hardness in Chronic Cutaneous Graft-Versus-Host Disease Patients. Blood, 2019, 134, 4515-4515.	0.6	6
29	Artificial intelligence recognition of cutaneous chronic <scp>graftâ€versusâ€host</scp> disease by a deep learning neural network. British Journal of Haematology, 2022, 197, .	1.2	6
30	Quantitative differentiation of dyes with overlapping one-photon spectra by femtosecond pulse-shaping. Journal of Luminescence, 2010, 130, 29-34.	1.5	5
31	Crowdsourcing to delineate skin affected by chronic graftâ€vsâ€host disease. Skin Research and Technology, 2019, 25, 572-577.	0.8	5
32	Optimal Biomechanical Parameters for Measuring Sclerotic Chronic Graft-Versus-Host Disease. JID Innovations, 2021, 1, 100037.	1.2	5
33	Measurement of stress buildâ€up of ion exchange strengthened lithium aluminosilicate glass. Journal of the American Ceramic Society, 2020, 103, 2407-2420.	1.9	4
34	Methods to Assess Disease Activity and Severity in Cutaneous Chronic Graft-versus-Host Disease: A Critical Literature Review. Transplantation and Cellular Therapy, 2021, 27, 738-746.	0.6	4
35	Guideline for in vivo assessment of adherent and rolling leukocytes in human skin microvasculature via reflectance confocal videomicroscopy. Microcirculation, 2021, 28, e12725.	1.0	4
36	Vibrations-determined properties of green fluorescent protein. Biopolymers, 2005, 78, 140-146.	1.2	3

#	Article	IF	Citations
37	Two-photon in vivo flow cytometry using a fiber probe. Proceedings of SPIE, 2009, 7173, 71730I1-71730I10.	0.8	3
38	Baseline Photos and Confident Annotation Improve Automated Detection of Cutaneous Graft-Versus-Host Disease. Clinical Hematology International, 2021, 3, 108.	0.7	3
39	Drug-induced linear IgA bullous dermatosis in a patient with a vancomycin-impregnated cement spacer. Cutis, 2018, 101, 293-296.	0.4	3
40	Gaussian beam reflection and refraction by a spherical or parabolic surface: comparison of vectorial-law calculation with lens approximation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2144.	0.8	2
41	Noninvasive Microscopic Imaging Reveals Increased Leukocyte Adhesion and Rolling in Skin of Acute Graft-Versus-Host Disease Patients Compared to Post-Transplant Controls. Blood, 2019, 134, 4533-4533.	0.6	2
42	Key Histopathology Features of Cutaneous Acute Graft-Versus-Host Disease Can be Detected Noninvasively. Blood, 2019, 134, 3278-3278.	0.6	2
43	Subcutaneous scalp nodule as the presenting symptom of systemic light-chain amyloidosis. Dermatology Practical and Conceptual, 2018, 8, 184-187.	0.5	2
44	Increasing two-photon fluorescence signals by coherent control. , 2006, , .		1
45	In vivo monitoring of two circulating cell lines using two-color two-photon cytometry. , 2006, , .		1
46	Enhanced Two-Photon In Vivo Flow Cytometry with an Extended Cavity Laser. , 2007, , .		1
47	Cataract diagnosis by measurement of backscattered light. Optics Letters, 2011, 36, 4707.	1.7	1
48	Interference filter tilting to detect a polycyclic aromatic hydrocarbon at the second harmonic of wavelength modulation frequency. Applied Optics, 2017, 56, 3155.	2.1	1
49	Segmentation of skin lesions in chronic graft versus host disease photographs with fully convolutional networks. , 2018, , .		1
50	In Vivo reflectance confocal microscopy of cutaneous acute graftâ€versusâ€host disease: concordance with histopathology and interobserver reproducibility of a glossary with representative images. Journal of the European Academy of Dermatology and Venereology, 2022, , .	1.3	1
51	Association of Leukocyte Adhesion and Rolling in Skin With Patient Outcomes After Hematopoietic Cell Transplantation Using Noninvasive Reflectance Confocal Videomicroscopy. JAMA Dermatology, 2022, , .	2.0	1
52	Moment-based Description for Assumption-free Single-shot Measurement of Femtosecond Laser Pulse Parameters via Two-photon-induced Photocurrents. , 2006, , .		0
53	Deconvolution of Skin Images with Multivariate Curve Resolution. , 2007, , .		0
54	Reversible Leukoencephalopathyâ€"A Differential Diagnosis Beyond Posterior Reversible Encephalopathy Syndrome. Neuro-Ophthalmology, 2012, 36, 158-164.	0.4	0

#	Article	IF	Citations
55	A Rapidly Growing Facial Mass: Challenge. American Journal of Dermatopathology, 2017, 39, 457-458.	0.3	0
56	Erythematous plaques and papules on a premature infant. Journal of the American Academy of Dermatology, 2017, 76, e111-e112.	0.6	0
57	A Rapidly Growing Facial Mass: Answer. American Journal of Dermatopathology, 2017, 39, e71-e72.	0.3	0
58	Sclerotic Chronic Graft-Versus-Host Disease Severity Can be Assessed via Biomechanical Properties of Skin. Biology of Blood and Marrow Transplantation, 2018, 24, S198-S199.	2.0	0
59	Optical differential temperature measurement with beat frequency phase fluorometry. Applied Optics, 2018, 57, 8053.	0.9	0
60	Methods of Melanoma Detection. , 2018, , 39-85.		0
61	Colonic and perianal ulceration exhibiting vacuolar interface dermatitis in the setting of HIV. Clinical Case Reports (discontinued), 2019, 7, 1478-1480.	0.2	0
62	Noninvasive, Real-Time Microscopic Imaging Reveals Microvascular Changes in Cutaneous Acute Graft-Versus-Host Disease. Biology of Blood and Marrow Transplantation, 2020, 26, S53-S54.	2.0	0
63	Bringing Biophotonics to Dermatology Patients: Experiences of a New Cutaneous Imaging Clinic. , 2018, , .		0
64	Diagnostic Potential of Five Different Biomechanical Parameters to Detect Sclerotic Cutaneous Graft-Versus-Host Disease. Blood, 2019, 134, 2002-2002.	0.6	0
65	Diffuse Painful Plaques in the Setting of Chronic Lymphocytic Leukemia. , 2020, 106, E18-E20.		0
66	Post-transplant Leukocyte Motion in Human Skin Microvasculature by Noninvasive Reflectance Confocal Video Microscopy. , 2020, , .		0
67	An Erythematous papular eruption in a woman with Crohn disease treated with infliximab. Dermatology Online Journal, 2016, 22, .	0.2	0
68	Bedside Reflectance Confocal Videomicroscopy of Immune Cell Motion in Skin Provides Blood Cancer Insights. , 2022, , .		0