

William V Stoecker

List of Publications by Year in descending order

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76
papers

3,803
citations

185998

28
h-index

123241

61
g-index

77
all docs

77
docs citations

77
times ranked

2255
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Cervical Digitized Histology Whole-Slide Image Analysis Toolbox. <i>Journal of Pathology Informatics</i> , 2021, 12, 26.	0.8	9
2	Optical Oxygen Sensor Patch Printed with Polystyrene Microparticles-based Ink on Flexible Substrate. <i>IEEE Sensors Journal</i> , 2021, 21, 1-1.	2.4	1
3	Viscerocutaneous Loxoscelism Manifesting with Myocarditis: A Case Report. <i>American Journal of Case Reports</i> , 2021, 22, e932378.	0.3	5
4	Identification and quantification of 11 airborne biochemicals emitted by the brown recluse and another primitive hunting spider using headspace solid-phase microextraction-GC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6605-6615.	1.9	2
5	DeepCIN: Attention-Based Cervical histology Image Classification with Sequential Feature Modeling for Pathologist-Level Accuracy. <i>Journal of Pathology Informatics</i> , 2020, 11, 40.	0.8	12
6	EpithNet: Deep Regression for Epithelium Segmentation in Cervical Histology Images. <i>Journal of Pathology Informatics</i> , 2020, 11, 10.	0.8	19
7	Missouri's Fentanyl Problem: The China Connection. <i>Missouri Medicine</i> , 2020, 117, 362-369.	0.3	1
8	Biologically Inspired QuadTree Color Detection in Dermoscopy Images of Melanoma. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 570-577.	3.9	22
9	Automatic lesion border selection in dermoscopy images using morphology and color features. <i>Skin Research and Technology</i> , 2019, 25, 544-552.	0.8	11
10	Deep Learning and Handcrafted Method Fusion: Higher Diagnostic Accuracy for Melanoma Dermoscopy Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 1385-1391.	3.9	137
11	The 5 P's of Pyoderma Gangrenosum. <i>Journal of Drugs in Dermatology</i> , 2019, 18, 1282-1283.	0.4	2
12	Deep Learning Nuclei Detection in Digitized Histology Images by Superpixels. <i>Journal of Pathology Informatics</i> , 2018, 9, 5.	0.8	73
13	Marijuana Use in the Era of Changing Cannabis Laws: What Are the Risks? Who is Most at Risk?. <i>Missouri Medicine</i> , 2018, 115, 398-404.	0.3	7
14	Adaptable Ring for Vision-Based Measurements and Shape Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 746-756.	2.4	27
15	NOT RECLUSE—A Mnemonic Device to Avoid False Diagnoses of Brown Recluse Spider Bites. <i>JAMA Dermatology</i> , 2017, 153, 377.	2.0	27
16	Addressing the Crisis in the Treatment of Osteoporosis: Better Paths Forward. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1386-1387.	3.1	10
17	Fuzzy Color Clustering for Melanoma Diagnosis in Dermoscopy Images. <i>Information (Switzerland)</i> , 2017, 8, 89.	1.7	13
18	Computer-aided classification of melanocytic lesions using dermoscopic images: Low reported accuracy for reader study on melanomas with low melanoma in situ to invasive melanoma ratio. <i>Journal of the American Academy of Dermatology</i> , 2016, 75, e119-e120.	0.6	1

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19	Standardization of terminology in dermoscopy/dermatoscopy: Results of the third consensus conference of the International Society of Dermoscopy. <i>Journal of the American Academy of Dermatology</i> , 2016, 74, 1093-1106.	0.6	207
20	Enhancements in localized classification for uterine cervical cancer digital histology image assessment. <i>Journal of Pathology Informatics</i> , 2016, 7, 51.	0.8	12
21	Boys at Risk: Fatal Accidental Fentanyl Ingestions in Children: Analysis of Cases Reported to the FDA 2004-2013. <i>Missouri Medicine</i> , 2016, 113, 476-479.	0.3	1
22	Extreme Pain From Brown Recluse Spider Bites. <i>JAMA Dermatology</i> , 2014, 150, 1205.	2.0	15
23	Fuzzy logic color detection: Blue areas in melanoma dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 403-410.	3.5	29
24	Clues from hands/Part 2. Personal details about patients revealed by hand examination. <i>Missouri Medicine</i> , 2014, 111, 447-51.	0.3	0
25	Clues from hands Part 1: personal details about patients revealed by hand examination. <i>Missouri Medicine</i> , 2014, 111, 349-51.	0.3	0
26	Obtundation and Myocardial Infarction in a Case of Systemic Loxoscelism. <i>Missouri Medicine</i> , 2014, 111, 143-147.	0.3	0
27	Acute generalized exanthematous pustulosis reported due to loxosceles envenomation may be secondary to azithromycin therapy. <i>Missouri Medicine</i> , 2014, 111, 186.	0.3	0
28	Automatic dirt trail analysis in dermoscopy images. <i>Skin Research and Technology</i> , 2013, 19, e20-6.	0.8	10
29	Analysis of clinical and dermoscopic features for basal cell carcinoma neural network classification. <i>Skin Research and Technology</i> , 2013, 19, e217-22.	0.8	23
30	CD30+ reversible lymphoid dyscrasia (pseudolymphoma) following HIDA scintigraphy and the [Ring1]-[Ring2]-[C=O] generalized structure hypothesis. <i>Journal of the American Academy of Dermatology</i> , 2013, 68, e99-e101.	0.6	1
31	Sector expansion and elliptical modeling of blue-gray ovoids for basal cell carcinoma discrimination in dermoscopy images. <i>Skin Research and Technology</i> , 2013, 19, e532-e536.	0.8	8
32	Posterolateral Neck Texture (Insulin Neck). <i>JAMA Dermatology</i> , 2013, 149, 875.	2.0	2
33	Diagnostic Inaccuracy of Smartphone Applications for Melanoma Detection. <i>JAMA Dermatology</i> , 2013, 149, 884.	2.0	7
34	Region growing by sector analysis for detection of blue-gray ovoids in basal cell carcinoma. <i>Skin Research and Technology</i> , 2013, 19, 258-264.	0.8	0
35	Melanoma in situ in a private practice setting 2005 through 2009: Location, lesion size, lack of concern. <i>Journal of the American Academy of Dermatology</i> , 2012, 67, e105-e109.	0.6	14
36	Discrimination of basal cell carcinoma from benign lesions based on extraction of ulcer features in polarized-light dermoscopy images. <i>Skin Research and Technology</i> , 2012, 18, 471-475.	0.8	6

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37	Using Adaptive Thresholding and Skewness Correction to Detect Gray Areas in Melanoma In Situ Images. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1839-1847.	2.4	36
38	Automatic detection of basal cell carcinoma using telangiectasia analysis in dermoscopy skin lesion images. Skin Research and Technology, 2011, 17, 278-287.	0.8	21
39	Detection of granularity in dermoscopy images of malignant melanoma using color and texture features. Computerized Medical Imaging and Graphics, 2011, 35, 144-147.	3.5	59
40	Modified watershed technique and post-processing for segmentation of skin lesions in dermoscopy images. Computerized Medical Imaging and Graphics, 2011, 35, 116-120.	3.5	55
41	Concentric decile segmentation of white and hypopigmented areas in dermoscopy images of skin lesions allows discrimination of malignant melanoma. Computerized Medical Imaging and Graphics, 2011, 35, 148-154.	3.5	30
42	Detection of atypical texture features in early malignant melanoma. Skin Research and Technology, 2010, 16, 60-65.	0.8	45
43	Watershed segmentation of dermoscopy images using a watershed technique. Skin Research and Technology, 2010, 16, 378-84.	0.8	39
44	Semitranslucency in Dermoscopic Images of Basal Cell Carcinoma. Archives of Dermatology, 2009, 145, 224.	1.7	8
45	Evoked Scale Sign of Tinea Versicolor. Archives of Dermatology, 2009, 145, 1078.	1.7	18
46	Fuzzy logic techniques for blotch feature evaluation in dermoscopy images. Computerized Medical Imaging and Graphics, 2009, 33, 50-57.	3.5	25
47	Detection of basal cell carcinoma using color and histogram measures of semitranslucent areas. Skin Research and Technology, 2009, 15, 283-287.	0.8	20
48	Approximate lesion localization in dermoscopy images. Skin Research and Technology, 2009, 15, 314-322.	0.8	20
49	An improved objective evaluation measure for border detection in dermoscopy images. Skin Research and Technology, 2009, 15, 444-450.	0.8	31
50	Lesion border detection in dermoscopy images. Computerized Medical Imaging and Graphics, 2009, 33, 148-153.	3.5	351
51	Analysis of Globule Types in Malignant Melanoma. Archives of Dermatology, 2009, 145, 1245-51.	1.7	14
52	Systemic loxoscelism confirmation by bite-site skin surface: ELISA. Missouri Medicine, 2009, 106, 425-7, 431.	0.3	9
53	Automatic detection of blue-white veil and related structures in dermoscopy images. Computerized Medical Imaging and Graphics, 2008, 32, 670-677.	3.5	139
54	Border detection in dermoscopy images using statistical region merging. Skin Research and Technology, 2008, 14, 347-353.	0.8	339

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55	A basis function feature-based approach for skin lesion discrimination in dermatology dermoscopy images. <i>Skin Research and Technology</i> , 2008, 14, 425-435.	0.8	17
56	Dermoscopy and the Diagnostic Challenge of Amelanotic and Hypomelanotic Melanoma. <i>Archives of Dermatology</i> , 2008, 144, 1207-10.	1.7	25
57	A methodological approach to the classification of dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2007, 31, 362-373.	3.5	535
58	A relative color approach to color discrimination for malignant melanoma detection in dermoscopy images. <i>Skin Research and Technology</i> , 2007, 13, 62-72.	0.8	77
59	Unsupervised border detection in dermoscopy images. <i>Skin Research and Technology</i> , 2007, 13, 454-462.	0.8	205
60	Skin lesion classification using relative color features. <i>Skin Research and Technology</i> , 2007, 14, 070319103351002-???	0.8	69
61	Diagnosis of loxoscelism in a child confirmed with an enzyme-linked immunosorbent assay and noninvasive tissue sampling. <i>Journal of the American Academy of Dermatology</i> , 2006, 55, 888-890.	0.6	38
62	OBSERVATIONS ON LOXOSCELES RECLUSA (ARANEAE, SICARIIDAE) FEEDING ON SHORT-HORNED GRASSHOPPERS. <i>Journal of Arachnology</i> , 2006, 34, 221-226.	0.3	8
63	Automatic lesion boundary detection in dermoscopy images using gradient vector flow snakes. <i>Skin Research and Technology</i> , 2005, 11, 17-26.	0.8	249
64	Detection of asymmetric blotches (asymmetric structureless areas) in dermoscopy images of malignant melanoma using relative color. <i>Skin Research and Technology</i> , 2005, 11, 179-184.	0.8	68
65	Detection of Basal Cell Carcinoma Using Electrical Impedance and Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 66-71.	2.5	34
66	Detection of pigment network in dermatoscopy images using texture analysis. <i>Computerized Medical Imaging and Graphics</i> , 2004, 28, 225-234.	3.5	61
67	Differentiation among basal cell carcinoma, benign lesions, and normal skin using electric impedance. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1020-1025.	2.5	60
68	Melanoma and seborrheic keratosis differentiation using texture features. <i>Skin Research and Technology</i> , 2003, 9, 348-356.	0.8	13
69	A new assay for the detection of <i>Loxosceles</i> species (brown recluse) spider venom. <i>Annals of Emergency Medicine</i> , 2002, 39, 469-474.	0.3	55
70	Detection of solid pigment in dermatoscopy images using texture analysis. <i>Skin Research and Technology</i> , 2000, 6, 193-198.	0.8	20
71	Nondermatoscopic digital imaging of pigmented lesions. <i>Skin Research and Technology</i> , 1995, 1, 7-16.	0.8	21
72	Editorial: digital imaging in dermatology. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 145-150.	3.5	38

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73	Automatic detection of asymmetry in skin tumors. Computerized Medical Imaging and Graphics, 1992, 16, 191-197.	3.5	89
74	Automatic detection of irregular borders in melanoma and other skin tumors. Computerized Medical Imaging and Graphics, 1992, 16, 199-203.	3.5	57
75	An automatic color segmentation algorithm with application to identification of skin tumor borders. Computerized Medical Imaging and Graphics, 1992, 16, 227-235.	3.5	55
76	Skin cancer recognition by computer vision. Computerized Medical Imaging and Graphics, 1989, 13, 31-36.	3.5	30