

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	A methodological approach to the classification of dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2007, 31, 362-373.	3.5	535
2	Lesion border detection in dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2009, 33, 148-153.	3.5	351
3	Border detection in dermoscopy images using statistical region merging. <i>Skin Research and Technology</i> , 2008, 14, 347-353.	0.8	339
4	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
5	Standardization of terminology in dermoscopy/dermatology: Results of the third consensus conference of the International Society of Dermatology. <i>Journal of the American Academy of Dermatology</i> , 2016, 74, 1093-1106.	0.6	207
6	Unsupervised border detection in dermoscopy images. <i>Skin Research and Technology</i> , 2007, 13, 454-462.	0.8	205
7	Automatic detection of blue-white veil and related structures in dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2008, 32, 670-677.	3.5	139
8	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
9	Automatic detection of asymmetry in skin tumors. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 191-197.	3.5	89
10	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
11	Deep Learning Nuclei Detection in Digitized Histology Images by Superpixels. <i>Journal of Pathology Informatics</i> , 2018, 9, 5.	0.8	73
12	Skin lesion classification using relative color features. <i>Skin Research and Technology</i> , 2007, 14, 070319103351002-???	0.8	69
13	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
14	Detection of pigment network in dermatology images using texture analysis. <i>Computerized Medical Imaging and Graphics</i> , 2004, 28, 225-234.	3.5	61
15	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
16	Detection of granularity in dermoscopy images of malignant melanoma using color and texture features. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 144-147.	3.5	59
17	Automatic detection of irregular borders in melanoma and other skin tumors. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 199-203.	3.5	57
18	An automatic color segmentation algorithm with application to identification of skin tumor borders. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 227-235.	3.5	55

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19	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
20	Modified watershed technique and post-processing for segmentation of skin lesions in dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 116-120.	3.5	55
21	Detection of atypical texture features in early malignant melanoma. <i>Skin Research and Technology</i> , 2010, 16, 60-65.	0.8	45
22	Watershed segmentation of dermoscopy images using a watershed technique. <i>Skin Research and Technology</i> , 2010, 16, 378-84.	0.8	39
23	Editorial: digital imaging in dermatology. <i>Computerized Medical Imaging and Graphics</i> , 1992, 16, 145-150.	3.5	38
24	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
25	Using Adaptive Thresholding and Skewness Correction to Detect Gray Areas in Melanoma In Situ Images. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 1839-1847.	2.4	36
26	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
27	An improved objective evaluation measure for border detection in dermoscopy images. <i>Skin Research and Technology</i> , 2009, 15, 444-450.	0.8	31
28	Skin cancer recognition by computer vision. <i>Computerized Medical Imaging and Graphics</i> , 1989, 13, 31-36.	3.5	30
29	Concentric decile segmentation of white and hypopigmented areas in dermoscopy images of skin lesions allows discrimination of malignant melanoma. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 148-154.	3.5	30
30	Fuzzy logic color detection: Blue areas in melanoma dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 403-410.	3.5	29
31	Adaptable Ring for Vision-Based Measurements and Shape Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 746-756.	2.4	27
32	NOT RECLUSE – A Mnemonic Device to Avoid False Diagnoses of Brown Recluse Spider Bites. <i>JAMA Dermatology</i> , 2017, 153, 377.	2.0	27
33	Dermoscopy and the Diagnostic Challenge of Amelanotic and Hypomelanotic Melanoma. <i>Archives of Dermatology</i> , 2008, 144, 1207-10.	1.7	25
34	Fuzzy logic techniques for blotch feature evaluation in dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2009, 33, 50-57.	3.5	25
35	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
36	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

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37	Nondermatoscopic digital imaging of pigmented lesions. <i>Skin Research and Technology</i> , 1995, 1, 7-16.	0.8	21
38	Automatic detection of basal cell carcinoma using telangiectasia analysis in dermoscopy skin lesion images. <i>Skin Research and Technology</i> , 2011, 17, 278-287.	0.8	21
39	Detection of solid pigment in dermoscopy images using texture analysis. <i>Skin Research and Technology</i> , 2000, 6, 193-198.	0.8	20
40	Detection of basal cell carcinoma using color and histogram measures of semitranslucent areas. <i>Skin Research and Technology</i> , 2009, 15, 283-287.	0.8	20
41	Approximate lesion localization in dermoscopy images. <i>Skin Research and Technology</i> , 2009, 15, 314-322.	0.8	20
42	EpithNet: Deep Regression for Epithelium Segmentation in Cervical Histology Images. <i>Journal of Pathology Informatics</i> , 2020, 11, 10.	0.8	19
43	Evoked Scale Sign of Tinea Versicolor. <i>Archives of Dermatology</i> , 2009, 145, 1078.	1.7	18
44	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
45	Extreme Pain From Brown Recluse Spider Bites. <i>JAMA Dermatology</i> , 2014, 150, 1205.	2.0	15
46	Analysis of Globule Types in Malignant Melanoma. <i>Archives of Dermatology</i> , 2009, 145, 1245-51.	1.7	14
47	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
48	Melanoma and seborrheic keratosis differentiation using texture features. <i>Skin Research and Technology</i> , 2003, 9, 348-356.	0.8	13
49	Fuzzy Color Clustering for Melanoma Diagnosis in Dermoscopy Images. <i>Information (Switzerland)</i> , 2017, 8, 89.	1.7	13
50	Enhancements in localized classification for uterine cervical cancer digital histology image assessment. <i>Journal of Pathology Informatics</i> , 2016, 7, 51.	0.8	12
51	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
52	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
53	Automatic dirt trail analysis in dermoscopy images. <i>Skin Research and Technology</i> , 2013, 19, e20-6.	0.8	10
54	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

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55	Automated Cervical Digitized Histology Whole-Slide Image Analysis Toolbox. <i>Journal of Pathology Informatics</i> , 2021, 12, 26.	0.8	9
56	Systemic loxoscelism confirmation by bite-site skin surface: ELISA. <i>Missouri Medicine</i> , 2009, 106, 425-7, 431.	0.3	9
57	OBSERVATIONS ON LOXOSCELES RECLUSA (ARANEAE, SICARIIDAE) FEEDING ON SHORT-HORNED GRASSHOPPERS. <i>Journal of Arachnology</i> , 2006, 34, 221-226.	0.3	8
58	Semitranslucency in Dermoscopic Images of Basal Cell Carcinoma. <i>Archives of Dermatology</i> , 2009, 145, 224.	1.7	8
59	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
60	Diagnostic Inaccuracy of Smartphone Applications for Melanoma Detection. <i>JAMA Dermatology</i> , 2013, 149, 884.	2.0	7
61	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
62	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
63	Viscerocutaneous Loxoscelism Manifesting with Myocarditis: A Case Report. <i>American Journal of Case Reports</i> , 2021, 22, e932378.	0.3	5
64	Posterolateral Neck Texture (Insulin Neck). <i>JAMA Dermatology</i> , 2013, 149, 875.	2.0	2
65	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
66	The 5 P's of Pyoderma Gangrenosum. <i>Journal of Drugs in Dermatology</i> , 2019, 18, 1282-1283.	0.4	2
67	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
68	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
69	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
70	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
71	Missouri's Fentanyl Problem: The China Connection. <i>Missouri Medicine</i> , 2020, 117, 362-369.	0.3	1
72	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

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73	Clues from hands/Part 2. Personal details about patients revealed by hand examination. Missouri Medicine, 2014, 111, 447-51.	0.3	0
74	Clues from hands Part 1: personal details about patients revealed by hand examination. Missouri Medicine, 2014, 111, 349-51.	0.3	0
75	Obtundation and Myocardial Infarction in a Case of Systemic Loxoscelism. Missouri Medicine, 2014, 111, 143-147.	0.3	0
76	Acute generalized exanthematous pustulosis reported due to loxosceles envenomation may be secondary to azithromycin therapy. Missouri Medicine, 2014, 111, 186.	0.3	0