The ABCD rule of dermatoscopy. High prospective value in the diagnosis of doubtful melanocytic skin lesions

#	Paper	IF	Citations
658	Computerized digital image analysis: an aid for melanoma diagnosis--preliminary investigations and brief review. **1994**, 21, 885-90		36
657	Computerized evaluation of pigmented skin lesion images recorded by a videomicroscope: comparison between polarizing mode observation and oil/slide mode observation. **1995**, 1, 187-91		59
656	Dermatologic Health Services Research. **1995**, 13, 689-695		6
655	The Current Status of Melanoma Early Detection and Screening. **1995**, 13, 623-634		10
654	The Morphologic Criteria of the Pseudopod in Surface Microscopy. **1995**, 131, 436		36
653	Atypical mole syndrome: risk factor for cutaneous malignant melanoma and implications for management. *Journal of the American Academy of Dermatology*, **1995**, 32, 479-94	4.5	96
652	Reply. *Journal of the American Academy of Dermatology*, **1995**, 32, 684	4.5	
651	Interferon therapy for chronic urticaria. *Journal of the American Academy of Dermatology*, **1995**, 32, 684-5	4.5	11
650	Intraobserver agreement in interpretation of digital epiluminescence microscopy. *Journal of the American Academy of Dermatology*, **1995**, 33, 584-9	4.5	45
649	Current therapy for cutaneous melanoma. *Journal of the American Academy of Dermatology*, **1995**, 32, 689-707; quiz 708-9	4.5	136
648	Skin cancer. Recognition and treatment. **1995**, 50, 48-61		10
647	The ABCDs of melanoma: why change?. *Journal of the American Academy of Dermatology*, **1995**, 32, 682-4	4.5	11
646	Answers to Self-Assessment examination of the American Academy of Dermatology. *Journal of the American Academy of Dermatology*, **1996**, 34, 869-872	4.5	
645	Improvement of monitoring of melanocytic skin lesions with the use of a computerized acquisition and surveillance unit with a skin surface microscopic television camera. *Journal of the American Academy of Dermatology*, **1996**, 35, 202-7	4.5	72
644	[Incident light microscopic characterization of vascular patterns in skin tumors]. **1996**, 47, 264-72		59
643	How many melanomas have I missed? Is this the question?. **1996**, 165, 456-456		
642	Frequency and Morphologic Characteristics of Invasive Melanomas Lacking Specific Surface Microscopic Features. **1996**, 132, 1178		215

641 Melanocytic Nevi in Malignant Melanomas. **1997**, 2, 2-6

640 Dermoscopy (epiluminescence microscopy) of pigmented skin lesions. Current status and evolving trends. **1997**, 15, 79-95   27

639 Epiluminescence microscopy in clinical diagnosis of pigmented skin lesions?. **1997**, 349, 1566-7   17

638 Influence of UVB therapy on dermoscopic features of acquired melanocytic nevi. *Journal of the American Academy of Dermatology*, **1997**, 37, 559-63   4.5   36

637 Persistent nevus: an exception to the ABCD rule of dermoscopy. *Journal of the American Academy of Dermatology*, **1997**, 36, 474-5   4.5   27

636 Systematic review of the diagnostic accuracy of dermatoscopy in detecting malignant melanoma. **1997**, 167, 206-10   145

635 The use of dermoscopy and digital imaging in the diagnosis of cutaneous malignant melanoma. **1997**, 3, 1-7   24

634 Can early malignant melanoma be differentiated from atypical melanocytic nevi by in vivo techniques?: Part I. Clinical and dermoscopic characteristics. **1997**, 3, 8-14   28

633 Dermatoscopy and high frequency sonography: two useful non-invasive methods to increase preoperative diagnostic accuracy in pigmented skin lesions. **1998**, 11, 151-4   39

632 [The ABCD rule in dermatoscopy: analysis of 500 melanocytic lesions]. **1998**, 49, 473-6   14

631 Lichtschutz Melanomprävention als kinderärztliche Aufgabe. **1998**, 146, 695-701

630 Techniques for a structural analysis of dermatoscopic imagery. **1998**, 22, 375-89   104

629 Digital videomicroscopy improves diagnostic accuracy for melanoma. *Journal of the American Academy of Dermatology*, **1998**, 39, 175-81   4.5   92

628 Epiluminescence microscopy for the diagnosis of doubtful melanocytic skin lesions. Comparison of the ABCD rule of dermatoscopy and a new 7-point checklist based on pattern analysis. **1998**, 134, 1563-70   581

627 Semiological value of ABCDE criteria in the diagnosis of cutaneous pigmented tumors. **1998**, 197, 11-7   130

626 The changing mole. Additional warning signs of malignant melanoma. **1998**, 104, 145-8   5

625 Diagnosing basal cell carcinoma by dermatoscopy. **1998**, 3, 62-7   7

624 Ultraviolet radiation of melanocytic nevi: a dermoscopic study. **1998**, 134, 845-50   40

623	Comparison of conventional photographs and telephonically transmitted compressed digitized images of melanomas and dysplastic nevi. **1998**, 196, 299-304	57
622	Accuracy of Epiluminescence Microscopy among Practical Dermatologists: A Study from the Emilia-Romagna Region of Italy. **1998**, 84, 701-705	13
621	The dermatoscopic ABCD rule does not improve diagnostic accuracy of malignant melanoma. **1999**, 79, 469-72	20
620	Clinical and dermatoscopic diagnosis of malignant melanoma. Assessed by expert and non-expert groups. **1999**, 79, 301-4	34
619	Digital dermoscopy analysis for the differentiation of atypical nevi and early melanoma: a new quantitative semiology. **1999**, 135, 1459-65	105
618	Automated epiluminescence microscopy: human vs machine in the diagnosis of melanoma. **1999**, 135, 1538-40	28
617	Dermatoscopic pitfalls in differentiating pigmented Spitz naevi from cutaneous melanomas. **1999**, 141, 788-93	132
616	Digital videomicroscopy with image analysis and automatic classification as an aid for diagnosis of Spitz nevus. **1999**, 5, 266-272	13

615	Reevaluation of the ABCD rule for epiluminescence microscopy. *Journal of the American Academy of Dermatology*, **1999**, 40, 171-6	4.5	47
614	The misdiagnosis of malignant melanoma. *Journal of the American Academy of Dermatology*, **1999**, 40, 539-48	4.5	58
613	Morphologic changes of pigmented skin lesions: a useful extension of the ABCD rule for dermatoscopy. *Journal of the American Academy of Dermatology*, **1999**, 40, 558-62	4.5	79

612	Automated melanoma diagnosis system. **1999**, 3747, 130	8
611	Digital epiluminescence microscopy: usefulness in the differential diagnosis of cutaneous pigmentary lesions. A statistical comparison between visual and computer inspection. **2000**, 10, 345-9	39

610	Dermatoscopy in the diagnosis of pigmented skin lesions: a new semiology for the dermatologist. *Journal of the European Academy of Dermatology and Venereology*, **2000**, 14, 353-69	4.6	34

609	Sensitivity and specificity of epiluminescence microscopy: evaluation on a sample of 2731 excised cutaneous pigmented lesions. The Melanoma Cooperative Study. **2000**, 142, 893-8	40
608	Increase in the sensitivity for melanoma diagnosis by primary care physicians using skin surface microscopy. **2000**, 143, 1016-20	126
607	Histopathologic Interobserver Agreement on the Diagnosis of Melanocytic Skin Lesions with Equivocal Dermoscopic Features: A Pilot Study. **2000**, 86, 445-449	7
606	European Handbook of Dermatological Treatments. **2000**,	1

587 Dermatoscopy/ELM for the Evaluation of Nail-Apparatus Pigmentation. **2001**, 27, 315-322

586 Structural asymmetry as a dermatoscopic indicator of malignant melanoma--a latent class analysis of sensitivity and classification errors. **2001**, 11, 495-501 — 9

585 Differentiation between pigmented Spitz naevus and melanoma by digital dermoscopy and stepwise logistic discriminant analysis. **2001**, 11, 37-44 — 37

584 Acquisition-time image quality control in digital dermatoscopy of skin lesions. **2001**, 25, 495-9 — 16

583 Dermoscopy as a second step in the diagnosis of doubtful pigmented skin lesions: how great is the risk of missing a melanoma?. *Journal of the European Academy of Dermatology and Venereology*, **2001**, 15, 24-6 — 4.6 — 8

582 Dermoscopic criteria for melanoma in situ are similar to those for early invasive melanoma. **2001**, 91, 992-997 — 42

581 Dermatoscopy/ELM for the Evaluation of Nail-Apparatus Pigmentation. **2001**, 27, 315-322 — 13

580 Is dermoscopy (epiluminescence microscopy) useful for the diagnosis of melanoma? Results of a meta-analysis using techniques adapted to the evaluation of diagnostic tests. **2001**, 137, 1343-50 — 317

579 Dermoscopy and early diagnosis of melanoma: the light and the dark. **2001**, 137, 1641-4 — 31

578 Dermatoscopic prediction of melanoma thickness using latent trait analysis and likelihood ratios. **2001**, 81, 38-41 — 12

577 Dermoscopy of pigmented seborrheic keratosis: a morphological study. **2002**, 138, 1556-60 — 146

576 Melanoma detection. A prospective study comparing diagnosis with the naked eye, dermatoscopy and telespectrophotometry. **2002**, 205, 362-6 — 40

575 Use of and beliefs about dermoscopy in the management of patients with pigmented lesions: a survey of dermatology residency programmes in the United States. **2002**, 12, 601-5 — 39

574 Jumping into the future using teledermoscopy. **2002**, 1, 20-4 — 23

573 Comparison between morphological parameters in pigmented skin lesion images acquired by means of epiluminescence surface microscopy and polarized-light videomicroscopy. **2002**, 20, 222-7 — 44

572 Management of dysplastic nevi: a survey of fellows of the American Academy of Dermatology. *Journal of the American Academy of Dermatology*, **2002**, 46, 674-82 — 4.5 — 106

571 Follow-up of melanocytic skin lesions with digital total-body photography and digital dermoscopy: a two-step method. **2002**, 20, 297-304 — 95

570 Surface microscopy features of congenital nevi. **2002**, 20, 263-7 — 25

551 The use of the dermatoscope to identify early melanoma using the three-colour test. **2002**, 146, 481-4   51

550 Dermoscopic diagnosis by a trained clinician vs. a clinician with minimal dermoscopy training vs. computer-aided diagnosis of 341 pigmented skin lesions: a comparative study. **2002**, 147, 481-6   109

549 Pre-operative diagnosis of pigmented skin lesions: in vivo dermoscopy performs better than dermoscopy on photographic images. *Journal of the European Academy of Dermatology and Venereology*, **2002**, 16, 339-46   4.6   21

548 A multiple classifier system for early melanoma diagnosis. **2003**, 27, 29-44   75

547 A beneficial effect of a short-term formal training course in epiluminescence microscopy on the diagnostic performance of dermatologists about cutaneous malignant melanoma. **2003**, 9, 269-73   16

546 Bullous malignant melanoma: an unusual differential diagnosis of a hemorrhagic friction blister. **2003**, 29, 102-4   15

545 Diagnosis of pigmented skin lesions by dermoscopy: web-based training improves diagnostic performance of non-experts. **2003**, 148, 698-702   57

544 Computer description of colours in dermoscopic melanocytic lesion images reproducing clinical assessment. **2003**, 149, 523-9   46

543 Diagnostic and neural analysis of skin cancer (DANAOS). A multicentre study for collection and computer-aided analysis of data from pigmented skin lesions using digital dermoscopy. **2003**, 149, 801-9   98

542 Dermoscopic features of plaque psoriasis and lichen planus: new observations. **2003**, 207, 151-6   90

541 Signos guía en el diagnóstico diferencial en dermatoscopia. **2003**, 18, 85-91   4

540 Nuevos horizontes diagnósticos en dermatoscopia. **2003**, 18, 401-402   2

539 A new algorithm for border description of polarized light surface microscopic images of pigmented skin lesions. **2003**, 22, 959-64   64

538 Principles of dermatoscopy of pigmented skin lesions. **2003**, 22, 9-20   14

537 Modified ABC-point list of dermoscopy: A simplified and highly accurate dermoscopic algorithm for the diagnosis of cutaneous melanocytic lesions. *Journal of the American Academy of Dermatology*, **2003**, 48, 672-8   4.5   76

536 Nevos pigmentarios. **2003**, 37, 1-13

535 Early diagnosis of malignant melanoma: Proposal of a working formulation for the management of cutaneous pigmented lesions from the Melanoma Cooperative Group. **2003**, 22, 1209   6

534 Bullous Malignant Melanoma. **2003**, 29, 102-104   6

533	Dermoscopy for congenital melanocytic nevi. **2003**, 14, 661-5	11
532	The problem of false-positive diagnosis in melanoma screening: the impact of dermoscopy. **2003**, 13, 179-82	29
531	Preoperative melanoma thickness determination by 20-MHz sonography and digital videomicroscopy in combination. **2003**, 139, 293-8	46
530	Improved identification of potentially dangerous pigmented skin lesions by computerized image analysis. **2003**, 139, 195-8	20
529	Polarized light-surface microscopy for description and classification of small and medium-sized congenital melanocytic naevi. **2003**, 83, 271-6	9
528	Micro-Melanoma Detection. A Clinical Study on 22 Cases of Melanoma with a Diameter Equal to or Less than 3 MM. **2004**, 90, 128-131	24
527	Neuro-fuzzy analysis of dermatological images.	0
526	Melanoma computer-aided diagnosis: reliability and feasibility study. **2004**, 10, 1881-6	110
525	Automated extraction and description of dark areas in surface microscopy melanocytic lesion images. **2004**, 208, 21-6	30
524	Dermoscopic patterns of benign volar melanocytic lesions in patients with atypical mole syndrome. **2004**, 140, 538-44	57
523	A system for distributed image acquisition, content-analysis and similarity retrieval.	1
522	Three-colour test in dermoscopy: a re-evaluation. **2004**, 150, 1040	7
521	Treatment of Epstein-Barr virus-associated peripheral T-cell lymphoma. **2004**, 150, 1038-40	1
520	Clinical validation of an automated system for supporting the early diagnosis of melanoma. **2004**, 10, 184-92	13
519	Dermoscopic features of combined melanocytic nevi. **2004**, 31, 600-4	30
518	Current technologies for the in vivo diagnosis of cutaneous melanomas. **2004**, 22, 217-22	26
517	Answers to CME examination for Brecher AR, Orlow SJ. Oral retinoid therapy for dermatologic conditions in children and adolescents. *Journal of the American Academy of Dermatology*, **2004**, 50, 20	4.5	1
516	Detection of melanomas in patients followed up with total cutaneous examinations, total cutaneous photography, and dermoscopy. *Journal of the American Academy of Dermatology*, **2004**, 50, 15-20	4.5	50

515	Automated description of colours in polarized-light surface microscopy images of melanocytic lesions. **2004**, 14, 125-30	18
514	Dermoscopy for skin cancer detection. **2005**, 17, 147-53	51
513	Examination of Lesions (Including Dermoscopy) without Contact with the Patient Is Associated with Improper Management in about 30% of Equivocal Melanomas. **2005**, 31, 169-172	5
512	Acquired Melanocytic Lesions and the Decision to Excise. **2005**, 31, 184-189	9
511	Cutaneous melanoma: methods of biopsy and definitive surgical excision. **2005**, 18, 387-93	23
510	Dermoscopy of skin lesions in two patients with xeroderma pigmentosum. **2005**, 152, 271-8	20
509	Cutaneous collision tumour (melanocytic naevus, basal cell carcinoma, seborrhoeic keratosis): a clinical, dermoscopic and pathological case report. **2005**, 152, 787-90	37
508	Epidermolysis bullosa naevi reveal a distinctive dermoscopic pattern. **2005**, 153, 97-102	26
507	Automatic lesion boundary detection in dermoscopy images using gradient vector flow snakes. **2005**, 11, 17-26	200
506	Colors in atypical nevi: a computer description reproducing clinical assessment. **2005**, 11, 36-41	17
505	Detection of asymmetric blotches (asymmetric structureless areas) in dermoscopy images of malignant melanoma using relative color. **2005**, 11, 179-84	58
504	Non-invasive preoperative assessment of basal cell carcinoma of nodular and superficial types. **2005**, 11, 196-200	13
503	Pigment distribution in melanocytic lesion images: a digital parameter to be employed for computer-aided diagnosis. **2005**, 11, 236-41	36
502	An integrated computer supported acquisition, handling, and characterization system for pigmented skin lesions in dermatological images. **2005**, 9, 86-98	62
501	[Diagnostic dermoscopic algorithms]. **2005**, 56, 81-93; quiz 94-5	3
500	[Malignant melanoma. Diagnosis and therapy]. **2005**, 53, 928-39	3
499	Computer-aided dermoscopy for diagnosis of melanoma. **2005**, 5, 8	24
498	Automated segmentation of pigmented skin lesions in multispectral imaging. **2005**, 50, N345-57	12

497 Comparative performance of 4 dermoscopic algorithms by nonexperts for the diagnosis of melanocytic lesions. **2005**, 141, 1008-14 — 86

496 Limitations of dermoscopy in the recognition of melanoma. **2005**, 141, 155-60 — 124

495 Wavelet analysis of cutaneous blood flow in melanocytic skin lesions. **2005**, 42, 38-46 — 9

494 Melanoma. **2005**, 9, 1764-1771

493 Dermoscopy of pigmented skin lesions. *Journal of the American Academy of Dermatology*, **2005**, 52, 109-21 — 4.5 — 232

492 Current surgical management of melanoma. **2006**, 6, 1569-83 — 10

491 Dermoscopy for "true" amelanotic melanoma: a clinical dermoscopic-pathologic case study. *Journal of the American Academy of Dermatology*, **2006**, 54, 341-4 — 4.5 — 34

490 Metastatic glucagonoma: treatment with liver transplantation. *Journal of the American Academy of Dermatology*, **2006**, 54, 344-7 — 4.5 — 14

489 Dermatoscopia: o método de análise de padrões. **2006**, 81, 261-268 — 22

488 Dermatoscopic differences between atypical melanocytic naevi and thin malignant melanomas. **2006**, 16, 45-50 — 18

487 Nævus pigmentaires. **2006**, 1, 1-13

486 Structural correlations between dermoscopic features of cutaneous melanomas and histopathology using transverse sections. **2006**, 28, 13-20 — 18

485 Examination of lesions (including dermoscopy) without contact with the patient is associated with improper management in about 30% of equivocal melanomas. **2005**, 31, 169-72 — 10

484 Acquired melanocytic lesions and the decision to excise: role of color variegation and distribution as assessed by dermoscopy. **2005**, 31, 184-9 — 9

483 Algorithmic reproduction of asymmetry and border cut-off parameters according to the ABCD rule for dermoscopy. *Journal of the European Academy of Dermatology and Venereology*, **2006**, 20, 1214-9 — 4.6 — 19

482 [Melanocytic nevi]. **2006**, 4, 686-97 — 14

481 Clinical selection of melanocytic lesions for dermoscopy decreases the identification of suspicious lesions in comparison with dermoscopy without clinical preselection. **2006**, 154, 873-9 — 31

480 Micro-melanoma detection: a clinical study on 206 consecutive cases of pigmented skin lesions with a diameter 2006, 155, 570-3 — 49

479	Pigmented Lesions in Children. *Seminars in Plastic Surgery*, **2006**, 20, 169-179	2	2
478	Skills training to learn discrimination of ABCDE criteria by those at risk of developing melanoma. **2006**, 142, 447-52		40
477	Modified dermoscopic algorithm for the differentiation between melanocytic and nonmelanocytic skin tumors. **2006**, 10, 73-8		5
476	Intelligent Segmentation and Classification of Pigmented Skin Lesions in Dermatological Images. *Lecture Notes in Computer Science*, **2006**, 214-223	0.9	20
475	Dermoscopy report: proposal for standardization. Results of a consensus meeting of the International Dermoscopy Society. *Journal of the American Academy of Dermatology*, **2007**, 57, 84-95	4.5	80
474	The CASH (color, architecture, symmetry, and homogeneity) algorithm for dermoscopy. *Journal of the American Academy of Dermatology*, **2007**, 56, 45-52	4.5	165
473	Diving into the blue: in vivo microscopic characterization of the dermoscopic blue hue. *Journal of the American Academy of Dermatology*, **2007**, 57, 96-104	4.5	53
472	Sensitivity, specificity, and diagnostic accuracy of three dermoscopic algorithmic methods in the diagnosis of doubtful melanocytic lesions: the importance of light brown structureless areas in differentiating atypical melanocytic nevi from thin melanomas. *Journal of the American Academy of Dermatology*, **2007**, 56, 759-67	4.5	93
471	Management of cutaneous melanoma: a public health and individual patient care perspective. **2007**, 23, 81-98		11
470	Digital computer analysis of dermatoscopical images of 260 melanocytic skin lesions; perimeter/area ratio for the differentiation between malignant melanomas and melanocytic nevi. *Journal of the European Academy of Dermatology and Venereology*, **2007**, 21, 48-55	4.6	27
469	Vroegdiagnostiek van melanomen door huisarts en dermatoloog. **2008**, 51, 501-504		2
468	Automatic detection of blue-white veil and related structures in dermoscopy images. **2008**, 32, 670-7		113
467	Dermoscopy and suture marking as a tool to enhance diagnosis of pigmented lesions. **2008**, 34, 1104-7		
466	Complex dermoscopic pattern: a potential risk marker for melanoma. **2008**, 158, 821-4		34
465	Dermoscopy compared with naked eye examination for the diagnosis of primary melanoma: a meta-analysis of studies performed in a clinical setting. **2008**, 159, 669-76		447
464	Biopsy of the pigmented lesion--when and how. *Journal of the American Academy of Dermatology*, **2008**, 59, 852-71	4.5	63
463	[Diagnosis tools for cutaneous melanoma]. **2008**, 135, 828-34		3
462	Compendium of Surface Microscopic and Dermoscopic Features. **2008**,		

443	Diagnostik des malignen Melanoms. **2010**, 16, 1121-1130		
442	Automatic image-based assessment of lesion development during hemangioma follow-up examinations. **2010**, 50, 83-94		12
441	The role of spectrophotometry in the diagnosis of melanoma. **2010**, 10, 5		11
440	Reflectance confocal microscopy as an aid to dermoscopy to improve diagnosis on equivocal lesions: evaluation of three bluish nodules. **2010**, 2010,		4
439	Improving the robustness of gradient vector flowin cluttered images. **2010**,		
438	Improved Gradient Vector Flow for robust shape estimation in medical imaging. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 4809-12	0.9	2
437	The influence of training on the recognition of gross features of dermoscopy images. **2010**, 76, 132-7		
436	Imaging of human skin lesions with the multispectral dermoscope. **2010**,		3
435	[Dermoscopic diagnosis of dysplastic nevus]. **2010**, 137, 244-6		
434	Epidermolysis bullosa nevi. **2010**, 28, 179-83		24
433	Classification of dermatological images using advanced clustering techniques. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 6721-4	0.9	6
432	Seven-point checklist for dermatoscopy: performance during 10 years of prospective surveillance of patients at increased melanoma risk. *Journal of the American Academy of Dermatology*, **2010**, 62, 785-93	4.5	41
431	Dermatoscopy use by US dermatologists: a cross-sectional survey. *Journal of the American Academy of Dermatology*, **2010**, 63, 412-9, 419.e1-2	4.5	64
430	Noninvasive imaging technologies in the diagnosis of melanoma. **2010**, 29, 174-84		22
429	Biomedical Engineering Systems and Technologies. **2010**,		0
428	Non-invasive imaging techniques in the diagnosis of skin diseases. **2011**, 5, 425-40		8
427	Diagnostic accuracy of dermatoscopy for melanocytic and nonmelanocytic pigmented lesions. *Journal of the American Academy of Dermatology*, **2011**, 64, 1068-73	4.5	123
426	Dermatoscopy versus Tzanck smear test: a comparison of the value of two tests in the diagnosis of pigmented skin lesions. *Journal of the American Academy of Dermatology*, **2011**, 65, 972-82	4.5	13

425   Modern Techniques for Computer-Aided Melanoma Diagnosis. **2011**,   13

424   Clinical and dermoscopic features of 88 scalp naevi in 39 children. **2011**, 165, 137-43   27

423   Blue rubber bleb nevus syndrome: a case report with dermatoscopic features. **2011**, 36, 211-3

422   Melanoma: early diagnosis using in vivo reflectance confocal microscopy. **2011**, 36, 209-11   14

421   Melanocytic nevi. **2011**, 9, 723-34   10

420   Melanozytäre Nävi. **2011**, 9, 723-736   12

419   Toward a combined tool to assist dermatologists in melanoma detection from dermoscopic images of pigmented skin lesions. **2011**, 32, 2187-2196   63

418   Automated prescreening of pigmented skin lesions using standard cameras. **2011**, 35, 481-91   90

417   Automatic boundary detection and symmetry calculation in dermoscopy images of skin lesions. **2011**,   13

416   Cohort profile: the study of health in Pomerania. **2011**, 40, 294-307   704

415   Numerical solution of diffusion models in biomedical imaging on multicore processors. **2011**, 2011, 680765   6

414   Skin cancer recognition by using a neuro-fuzzy system. **2011**, 10, 1-11   19

413   An Atlas of Dermoscopy. **2012**,   24

412   Accuracy of the first step of the dermatoscopic 2-step algorithm for pigmented skin lesions. **2012**, 2, 203a08   8

411   Dermoscopy: distinguishing malignant tumors from benign. **2012**, 7, 439-458   4

410   Variegated dermoscopy of in situ melanoma. **2012**, 224, 262-70   26

409   Extracting High-Level Intuitive Features (HLIF) for Classifying Skin Lesions Using Standard Camera Images. **2012**,   10

408   Contribution of a classifier of skin lesions to the dermatologist's decision. **2012**,   3

407	Extracting morphological high-level intuitive features (HLIF) for enhancing skin lesion classification. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 4458-61	0.9	16
406	Computer‑Aided Diagnosis of Pigmented Skin Dermoscopic Images. *Lecture Notes in Computer Science*, **2012**, 105-115	0.9	8
405	Dermoscopic diagnosis of melanoma in a 4D space constructed by active contour extracted features. **2012**, 36, 572-9		22
404	Pigmented network structure detection using semi-smart adaptive filters. **2012**,		1
403	Update and clinical use of imaging technologies for pigmented lesions of the skin. **2012**, 31, 38-44		6
402	Integrating static and dynamic features of melanoma: the DynaMel algorithm. *Journal of the American Academy of Dermatology*, **2012**, 66, 27-36	4.5	17
401	Diagnosis and treatment of melanoma. European consensus-based interdisciplinary guideline--Update 2012. *European Journal of Cancer*, **2012**, 48, 2375-90	7.5	199
400	Texture analysis for dermoscopic image processing. **2012**,		1
399	Melanoma screening system using hyperspectral imager attached to imaging fiberscope. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 3728-31	0.9	6
398	A possible melanoma discrimination index based on hyperspectral data: a pilot study. **2012**, 18, 301-10		23
397	Where's the naevus? Inter-operator variability in the localization of melanocytic lesion border. **2012**, 18, 311-5		5
396	Digital dermatoscopic follow-up of 1027 melanocytic lesions in 121 patients at risk of malignant melanoma. *Journal of the European Academy of Dermatology and Venereology*, **2013**, 27, 180-6	4.6	10
395	Melanoma recognition framework based on expert definition of ABCD for dermoscopic images. **2013**, 19, e93-102		46
394	Histological correlates of optical coherence tomography in non-melanoma skin cancer. **2013**, 19, 10-9		54
393	Hyperspectroscopic screening of melanoma on acral volar skin. **2013**, 19, e290-6		16
392	Learning from examples to automatically cluster pigmented skin lesions. **2013**,		0
391	Special locations dermoscopy: facial, acral, and nail. **2013**, 31, 615-24, ix		16
390	The importance of dedicated dermoscopy training during residency: a survey of US dermatology chief residents. *Journal of the American Academy of Dermatology*, **2013**, 68, 1000-5	4.5	20

371	Total dermoscopy score calculation using quantitative measurements in digital dermoscopy. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 6744-7	0.9	3
370	Optimal set of features for accurate skin cancer diagnosis. **2014**,		9
369	. **2014**,		6
368	Skin lens: Skin assessment video filters. **2014**,		0
367	'Do UC the melanoma?' Recognising the importance of different lesions displaying unevenness or having a history of change for early melanoma detection. **2014**, 55, 119-24		14
366	Determination of border irregularity in dermoscopic color images of pigmented skin lesions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 6459-62	0.9	18
365	Simpler, faster, more accurate melanocytic lesion segmentation through MEDS. **2014**, 61, 557-65		50
364	Statistical Learning Approach for Robust Melanoma Screening. **2014**,		3
363	Combined fluorescence-Raman spectroscopic setup for the diagnosis of melanocytic lesions. **2014**, 7, 86-95		28
362	An algorithm for the characterization of digital images of pigmented lesions of human skin. **2014**,		
361	Clinical performance of the Nevisense system in cutaneous melanoma detection: an international, multicentre, prospective and blinded clinical trial on efficacy and safety. **2014**, 171, 1099-107		117
360	Melanoma Decision Support Using Lighting-Corrected Intuitive Feature Models. **2014**, 193-219		12
359	Portable malignant lesion detection with low cost mobile infrared thermography. **2014**,		
358	. **2014**, 8, 980-984		56
357	High-frequency ultrasonography but not 930-nm optical coherence tomography reliably evaluates melanoma thickness in vivo: a prospective validation study. **2014**, 171, 799-805		23
356	Proposal for a clinical-dermoscopic classification of scalp naevi. **2014**, 170, 1065-72		13
355	Skin disease in pregnancy. **2014**, 348, g3489		19
354	Dermoscopic Findings for the Early Detection of Melanoma: An Analysis of 200 Cases. **2014**, 105, 683-693		3

353	Melanoma: diagnosis, staging, and treatment. Consensus group recommendations. **2014**, 31, 945-60		33
352	Dermoscopic findings for the early detection of melanoma: an analysis of 200 cases. **2014**, 105, 683-93		19
351	Where's the Lesion?: Variability in Human and Automated Segmentation of Dermoscopy Images of Melanocytic Skin Lesions. **2015**, 67-95		4
350	Where's the Lesion?: Variability in Human and Automated Segmentation of Dermoscopy Images of Melanocytic Skin Lesions. **2015**, 83-112		2
349	Tests to assist in the diagnosis of cutaneous melanoma in adults: a generic protocol. **2015**,		17
348	Melanocytic globules detection in skin lesion images. **2015**,		1
347	Global Pattern Classification in Dermoscopic Images. **2015**, 199-226		5
346	Dermoscopy in cutaneous melanoma. **2015**, 83, 107-111		1
345	Modification of a melanoma discrimination index derived from hyperspectral data: a clinical trial conducted in 2 centers between March 2011 and December 2013. **2015**, 21, 278-83		11
344	Clinically atypical spitzoid lesions: semi-quantitative histologic index correlation with dermoscopic scores (ABCD rule, 7-point checklist and pattern analysis). *Journal of the European Academy of Dermatology and Venereology*, **2015**, 29, 668-72	4.6	2
343	The digital age of melanoma management: detection and diagnostics. **2015**, 2, 383-391		1
342	Dermoscopy of Naevus-associated Melanomas. **2015**, 95, 671-5		24
341	Guidelines of the Brazilian Dermatology Society for diagnosis, treatment and follow up of primary cutaneous melanoma--Part I. **2015**, 90, 851-61		15
340	Novel Method for Border Irregularity Assessment in Dermoscopic Color Images. **2015**, 2015, 496202		13
339	Automatic classification of skin lesions using geometrical measurements of adaptive neighborhoods and local binary patterns. **2015**,		3
338	Fractals for Malignancy Detection in Dermoscopy Images. **2015**,		4
337	New Accurate Automated Melanoma Diagnosing Systems. **2015**,		5
336	Asymmetry and irregularity border as discrimination factor between melanocytic lesions. **2015**,		0

335	Mobile health technologies. Preface. **2015**, 1256, v-vi		6
334	High-level intuitive features (HLIFs) for intuitive skin lesion description. **2015**, 62, 820-31		70
333	Noninvasive diagnostics supporting system for choroidal melanoma: a pilot study. **2015**, 59, 48-54		2
332	Performance of the First Step of the 2-Step Dermoscopy Algorithm. **2015**, 151, 715-21		13
331	[Dermoscopy in cutaneous melanoma]. **2015**, 83, 107-11		6
330	Automatic classification of skin lesions using color mathematical morphology-based texture descriptors. **2015**,		4
329	Dermoscopic changes in melanocytic nevi in patients receiving immunosuppressive and biologic treatments: results of a prospective case-control study. *Journal of the American Academy of Dermatology*, **2015**, 73, 623-9	4.5	13
328	Automated colour identification in melanocytic lesions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 3021-4	0.9	7
327	Skin lesion feature vectors classification in models of a Riemannian manifold. **2015**, 75, 217-229		7
326	Dermatoscopy-guided therapy of pigmented basal cell carcinoma with imiquimod. **2016**, 91, 764-769		7
325	Validity of ABCD Rule of Dermoscopy in Clinical Practice. **2016**, 96, 367-72		11
324	Dermoscopy of Melanomas on the Trunk and Extremities in Asians. **2016**, 11, e0158374		11
323	[Strategies for the noninvasive diagnosis of melanoma]. **2016**, 67, 519-28		7
322	Diagnosis and treatment of melanoma. European consensus-based interdisciplinary guideline - Update 2016. *European Journal of Cancer*, **2016**, 63, 201-17	7.5	265
321	Development of an efficient fractal based texture analysis technique for improved classification of dermoscopic images. **2016**,		1
320	Strategien zur nichtinvasiven Diagnostik des Melanoms. **2016**, 15, 110-121		1
319	A comprehensive survey on image-based computer aided diagnosis systems for skin cancer. **2016**,		19
318	Skin lesion segmentation in clinical images using deep learning. **2016**,		67

317   A framework for detecting arsenic disease. **2016**,   3

316   Divergence analysis by sparse neighborhood nets for detection of abnormality in image of skin. **2016**,

315   Set of descriptors for skin cancer diagnosis using non-dermoscopic color images. **2016**,   9

314   Early diagnosis and predictive monitoring of skin diseases. **2016**,   1

313   ABCD rules segmentation on malignant tumor and benign skin lesion images. **2016**,   6

312   Kompendium der Dermatoskopie. **2016**,   12

311   Association Between Confocal Morphologic Classification and Clinical Phenotypes of Multiple Primary and Familial Melanomas. **2016**, 152, 1099-1105   7

310   Nevi and pregnancy. *Journal of the American Academy of Dermatology*, **2016**, 75, 661-666   4.5   23

309   A novel classification system for dysplastic nevus and malignant melanoma. **2016**,   2

308   Benigne melanozytäre Tumore. **2016**, 255-300

307   Automatic detection of melanoma using broad extraction of features from digital images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 1357-1360   0.9   15

306   Melanoma detection by analysis of clinical images using convolutional neural network. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 1373-1376   0.9   105

305   Abrupt skin lesion border cutoff measurement for malignancy detection in dermoscopy images. **2016**, 17, 367   9

304   Classification of malignant melanoma and benign skin lesions: implementation of automatic ABCD rule. **2016**, 10, 448-455   122

303   The Role of Color and Morphologic Characteristics in Dermoscopic Diagnosis. **2016**, 152, 676-82   11

302   Nichtinvasive physikalische Diagnostik in der Dermatologie. **2016**,

301   A system for the detection of melanomas in dermoscopy images using shape and symmetry features. **2017**, 5, 127-137   27

300   Diagnosing malignant melanoma in ambulatory care: a systematic review of clinical prediction rules. **2017**, 7, e014096   14

299	Quantitative Analysis of Immunohistochemistry in Melanoma Tumors. **2017**, 96, e6432		2
298	Extraction of skin lesions from non-dermoscopic images for surgical excision of melanoma. **2017**, 12, 1021-1030		39
297	Segmentation and classification of melanoma and benign skin lesions. **2017**, 140, 749-761		41
296	Dermoscopic Clues for Diagnosing Melanomas That Resemble Seborrheic Keratosis. **2017**, 153, 544-551		41
295	m-Skin Doctor: A Mobile Enabled System for Early Melanoma Skin Cancer Detection Using Support Vector Machine. **2017**, 468-475		15
294	Two methodologies for identification of stages and different types of melanoma detection. **2017**,		7
293	Automatic diagnosis of melanoma using linear and nonlinear features from digital image. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2017**, 2017, 4281-4284	0.9	8
292	A non-contact remote digital dermoscope to support cancer screening and diagnosis of inflammatory skin disease. **2017**, 3, 055005		7
291	Using morphological operators and inpainting for hair removal in dermoscopic images. **2017**,		5
290	Skin lesion images classification using new color pigmented boundary descriptors. **2017**,		5
289	Bagged textural and color features for melanoma skin cancer detection in dermoscopic and standard images. *Expert Systems With Applications*, **2017**, 90, 101-110	7.8	33
288	Deep neural network based diagnosis system for melanoma skin cancer. **2017**,		3
287	Non-invasive tools for the diagnosis of cutaneous melanoma. **2017**, 23, 261-271		39
286	A smart dermoscope design using artificial neural network. **2017**,		3
285	An efficient system for Melanoma diagnosis in dermoscopic images. **2017**,		1
284	Texture based skin lesion abruptness quantification to detect malignancy. **2017**, 18, 484		2
283	Soft computing approach based segmentation and analysis of skin cancer. **2017**,		2
282	Classification of benign and malignant melanocytic lesions: A CAD tool. **2017**,		11

281   Study of Melanocytic Nevi using image processing. **2017,**   1

280   Diagnostic Efficacy of Digital Dermoscopy and Clinical Findings in Thin Melanoma of the Lower Limbs. **2017**, 97, 1100-1107   0

279   Diagnosis of Primary Melanoma. **2017**, 27-79

278   Automatic Diagnosis of Melanoma Using Log-Linearized Gaussian Mixture Network. **2017,**   1

277   Dermoscopy Findings in Infectious and Parasitic Diseases. **2017**, 303-313

276   Non-dermatoscopic Image Analysis for the Recognition of Malignant Skin Diseases with Convolutional Neural Network and Autoencoders. *Lecture Notes in Computer Science*, **2018**, 160-167   0.9

275   Improvement in the diagnosis of melanoma and dysplastic lesions by introducing ABCD-PDT features and a hybrid classifier. **2018**, 38, 456-466   11

274   Enriched dermoscopic-structure-based cad system for melanoma diagnosis. **2018**, 77, 12171-12202   2

273   Optimal selection of features using wavelet fractal descriptors and automatic correlation bias reduction for classifying skin lesions. **2018**, 40, 252-262   26

272   Rethinking Skin Lesion Segmentation in a Convolutional Classifier. **2018**, 31, 435-440   29

271   Techniques and algorithms for computer aided diagnosis of pigmented skin lesions A review. **2018**, 39, 237-262   113

270   A Mobile Application for Early Detection of Melanoma by Image Processing Algorithms. **2018**,   1

269   Deep Ensemble Learning for Skin Lesion Classification from Dermoscopic Images. **2018**,   18

268   Skin-Melanoma Evaluation with Tsallis Thresholding and Chan-Vese Approach. **2018**,   4

267   Optical coherence tomography for diagnosing skin cancer in adults. **2018**, 12, CD013189   30

266   Visual inspection for diagnosing cutaneous melanoma in adults. **2018**, 12, CD013194   22

265   A Color-Based Approach for Melanoma Skin Cancer Detection. **2018**,   10

264   HAIR ARTIFACT REMOVAL AND SKIN LESION SEGMENTATION OF DERMOSCOPY IMAGES. **2018**, 11, 36   7

263   Reflectance confocal microscopy for diagnosing cutaneous melanoma in adults. **2018**, 12, CD013190   24

262   Teledermatology for diagnosing skin cancer in adults. **2018**, 12, CD013193   38

261   Simultaneous Blood Flow Measurement and Dermoscopy of Skin Lesions Using Dual-Mode Dermascope. **2018**, 8, 16941   2

260   Visual inspection and dermoscopy, alone or in combination, for diagnosing keratinocyte skin cancers in adults. **2018**, 12, CD011901   21

259   Dermoscopy, with and without visual inspection, for diagnosing melanoma in adults. **2018**, 12, CD011902   45

258   Fast Skin Lesion Segmentation via Fully Convolutional Network with Residual Architecture and CRF. **2018**,   2

257   Simple But Efficient Approach for Image Based Skin Cancer Diagnosis. **2018**,   0

256   Optimal Selection of Input Features and an Acompanying Neural Network Structure for the Classification Purposes - Skin Lesions Case Study. **2018**,

255   Automatic Fitting of Feature Points for Border Detection of Skin Lesions in Medical Images with Bat Algorithm. **2018**, 357-368   5

254   Label-Free Imaging of Melanoma with Confocal Photothermal Microscopy: Differentiation between Malignant and Benign Tissue. **2018**, 5,   5

253   Melanoma Segmentation and Classification in Clinical Images Using Deep Learning. **2018**,   4

252   Data augmentation importance for classification of skin lesions via deep learning. **2018**,   26

251   Optical coherence tomography angiography in choroidal melanoma and nevus. **2018**, 12, 207-214   21

250   Screening for malignant melanoma-a critical assessment in historical perspective. **2018**, 8, 89-103   8

249   Social Group Optimization Supported Segmentation and Evaluation of Skin Melanoma Images. **2018**, 10, 51   89

248   A novel cumulative level difference mean based GLDM and modified ABCD features ranked using eigenvector centrality approach for four skin lesion types classification. *Computer Methods and Programs in Biomedicine*, **2018**, 165, 163-174   6.9   23

247   Skin lesion classification with ensembles of deep convolutional neural networks. **2018**, 86, 25-32   133

246   What's new this month?. **2018**, 28, 278-279

245   Current Surgical Management of Primary Cutaneous Melanoma. **2018**, 313-322

244   Clues in skin surgery: Island pedicle flap for reconstruction of the medial eyebrow. **2018**, 28, 279-280

243   An integrated clinical-dermoscopic risk scoring system for the differentiation between early melanoma and atypical nevi: the iDScore. *Journal of the European Academy of Dermatology and Venereology*, **2018**, 32, 2162-2170   4.6   18

242   Dermatoscopic chaos of border-abruptness led to diagnosis of a minute melanoma. **2019**, 60, e62-e64

241   7-Point Checklist and Skin Lesion Classification using Multi-Task Multi-Modal Neural Nets. **2018**,   98

240   Prediction of melanoma evolution in melanocytic nevi via artificial intelligence: A call for prospective data. *European Journal of Cancer*, **2019**, 119, 30-34   7.5   20

239   Non-Contact Dermatoscope with Ultra-Bright Light Source and Liquid Lens-Based Autofocus Function. **2019**, 9, 2177   7

238   Computing rational border curves of melanoma and other skin lesions from medical images with bat algorithm. **2019**,   2

237   Feature extraction from dermoscopy images for melanoma diagnosis. **2019**, 1, 1   12

236   Classification of Melanoma and Nevus in Digital Images for Diagnosis of Skin Cancer. **2019**, 7, 90132-90144   55

235   Dermatoscopy at a Glance 🮐Homburger Kurzleitfaden zur dermatoskopischen Tumordiagnostik an der Haut. **2019**, 45, 469-485   1

234   Hybrid Modified Firefly Algorithm for Border Detection of Skin Lesions in Medical Imaging. **2019**,   8

233   The Possibility of Deep Learning-Based, Computer-Aided Skin Tumor Classifiers. **2019**, 6, 191   28

232   Lesion Segmentation and Automated Melanoma Detection using Deep Convolutional Neural Networks and XGBoost. **2019**,   6

231   A Computational Approach to Pertinent Feature Extraction for Diagnosis of Melanoma Skin Lesion. **2019**, 29, 503-514   3

230   Melanoma lesion detection and segmentation using deep region based convolutional neural network and fuzzy C-means clustering. **2019**, 124, 37-48   80

229   Extraction of features from cross correlation in space and frequency domains for classification of skin lesions. **2019**, 53, 101581   15

228   Integration of morphological preprocessing and fractal based feature extraction with recursive feature elimination for skin lesion types classification. *Computer Methods and Programs in Biomedicine*, **2019**, 178, 201-218   6.9   32

227	Dermoscopy: A Review of the Structures That Facilitate Melanoma Detection. **2019**, 119, 380-390		8
226	Analyzing Digital Image by Deep Learning for Melanoma Diagnosis. *Lecture Notes in Computer Science*, **2019**, 270-279	0.9	2
225	Dermoscopic similarity is an independent predictor of BRAF mutational concordance in multiple melanomas. **2019**, 28, 829-835		1
224	Local edge-enhanced active contour for accurate skin lesion border detection. **2019**, 20, 91		6
223	Construction of saliency map and hybrid set of features for efficient segmentation and classification of skin lesion. **2019**, 82, 741-763		51
222	Firefly Algorithm Approach For Rational B🔲ier Border Reconstruction of Skin Lesions from Macroscopic Medical Images. **2019**,		1
221	Morphological, Texture and Auto-encoder based Feature Extraction Techniques for Skin Disease Classification. **2019**,		3
220	A Novel Paradigm of Melanoma Diagnosis Using Machine Learning and Information Theory. **2019**,		1
219	(De) Constructing Bias on Skin Lesion Datasets. **2019**,		19
218	Using Procedural Content Generation for Storytelling in a Serious Game Called Orange Care. **2019**,		0
217	Pigmented Skin Lesions Classification using Convolutional Neural Networks. **2019**,		2
216	Analyzing Dermoscopy Images using Soft-Computing Tools. **2019**,		0
215	Performance analysis of Convolutional Neural Network (CNN) based Cancerous Skin Lesion Detection System. **2019**,		4
214	ABCD Rule Implementation for the Skin Melanoma Assesment 🔲A Study. **2019**,		8
213	Automatic Classification of Clinical Skin Disease Images with Additional High-Level Position Information. **2019**,		3
212	Seven-Point Checklist with Convolutional Neural Networks for Melanoma Diagnosis. **2019**,		4
211	Pigmented Skin Lesions Classification Using Data Driven Subsets of Image Features. **2019**,		
210	Classification of malignant melanoma and benign skin lesion by using back propagation neural network and ABCD rule. **2019**, 22, 12897-12907		7

209	DermaKNet: Incorporating the Knowledge of Dermatologists to Convolutional Neural Networks for Skin Lesion Diagnosis. **2019**, 23, 547-559		47
208	Accurate Segmentation and Registration of Skin Lesion Images to Evaluate Lesion Change. **2019**, 23, 501-508		32
207	Dynamic recursive tree-based partitioning for malignant melanoma identification in skin lesion dermoscopic images. **2020**, 61, 1645-1661		4
206	Dermoscopic features in different dermatopathological stages of cutaneous melanomas. **2020**, 37, 677-684		2
205	Recent advances in hyperspectral imaging for melanoma detection. **2020**, 12, e1465		14
204	Skin Lesion Classification Using CNNs With Patch-Based Attention and Diagnosis-Guided Loss Weighting. **2020**, 67, 495-503		44
203	Hybrid fully convolutional networks-based skin lesion segmentation and melanoma detection using deep feature. *International Journal of Imaging Systems and Technology*, **2020**, 30, 348-357	2.5	12
202	Validation of an integrated dermoscopic scoring method in an European teledermoscopy web platform: the iDScore project for early detection of melanoma. *Journal of the European Academy of Dermatology and Venereology*, **2020**, 34, 640-647	4.6	10
201	Transform domain representation-driven convolutional neural networks for skin lesion segmentation. *Expert Systems With Applications*, **2020**, 144, 113129	7.8	16
200	Real-Time Mobile-Phone-Aided Melanoma Skin Lesion Detection Using Triangulation Technique. **2020**, 11, 9-31		1
199	A Convolutional Neural Network Framework for Accurate Skin Cancer Detection. **2020**, 53, 3073		12
198	Modeling and Anlysis for Diagnosis Skin Lesions using Modern Artificial Swarm Intelligence Techniques (MASITs). **2020**, 881, 012133		
197	Towards the automatic detection of skin lesion shape asymmetry, color variegation and diameter in dermoscopic images. **2020**, 15, e0234352		8
196	Online variational learning of finite inverted Beta-Liouville mixture model for biomedical analysis. *International Journal of Imaging Systems and Technology*, **2020**, 30, 794-814	2.5	0
195	Region-of-Interest Based Transfer Learning Assisted Framework for Skin Cancer Detection. **2020**, 8, 147858-147871		7
194	Interpreting mechanisms of prediction for skin cancer diagnosis using multi-task learning. **2020**,		2
193	A multi-class skin Cancer classification using deep convolutional neural networks. **2020**, 79, 28477-28498		21
192	Melanoma Detection Using an Objective System Based on Multiple Connected Neural Networks. **2020**, 8, 179189-179202		6

191	Development of new descriptor for melanoma detection on dermoscopic images. **2020**, 58, 2711-2723	1
190	Classification of Dermoscopy Skin Lesion Color-Images Using Fractal-Deep Learning Features. **2020**, 10, 5954	7
189	Automatic Skin Cancer (Melanoma) Detection by Processing Dermatoscopic images. **2020**,	0
188	Fully Automated Approach for Early Detection of Pigmented Skin Lesion Diagnosis Using ABCD.. **2020**, 4, 151-173	5
187	[New optical examination procedures for the diagnosis of skin diseases]. **2020**, 71, 101-108	0
186	Differenzierung von kombinierten Nävi und Melanomen: Fallkontrollstudie mit komparativer Analyse der dermatoskopischen Merkmale. **2020**, 18, 111-118	0
185	European consensus-based interdisciplinary guideline for melanoma. Part 1: Diagnostics - Update 2019. *European Journal of Cancer*, **2020**, 126, 141-158	7.5 63
184	Melanoma Skin Cancer Detection based on Image Processing. **2020**, 16, 50-58	10
183	Meta-analysis of number needed to treat for diagnosis of melanoma by clinical setting. *Journal of the American Academy of Dermatology*, **2020**, 82, 1158-1165	4.5 9
182	Differentiation of combined nevi and melanomas: Case-control study with comparative analysis of dermoscopic features. **2020**, 18, 111-118	7
181	Neural Architecture Search for Skin Lesion Classification. **2020**, 8, 9061-9071	23
180	Melanoma and Nevus Skin Lesion Classification Using Handcraft and Deep Learning Feature Fusion via Mutual Information Measures. **2020**, 22,	41
179	Convolutional neural networks for the automatic diagnosis of melanoma: An extensive experimental study. **2021**, 67, 101858	15
178	Dermatological expert system implementing the ABCD rule of dermoscopy for skin disease identification. *Expert Systems With Applications*, **2021**, 167, 114204	7.8 6
177	. **2021**,	8
176	. **2021**,	7
175	Nevus Spitz: a review of the literature and clinical cases from practice. **2021**, 20, 50	
174	Dermoscopy. **2021**, 1-58	

173 Interpretability-Based Multimodal Convolutional Neural Networks for Skin Lesion Diagnosis. **2021**, PP, 5

172 Skin Lesion Classification Using Weakly-supervised Fine-grained Method. **2021**, 0

171 In vivo multimodal optical imaging of dermoscopic equivocal melanocytic skin lesions. **2021**, 11, 1405 2

170 Dermoscopy. **2021**, 1-58

169 Dermatoscopy at a Glance ⬜Homburger Kurzleitfaden zur dermatoskopischen Tumordiagnostik an der Haut. **2021**, 3, 51-67

168 Dermoscopic, confocal and histopathologic characteristics of small-diameter melanomas (minimelanoma): a cross sectional study. **2021**, 62, e256-e261

167 Extraction of Abnormal Skin Lesion from Dermoscopy Image using VGG-SegNet. **2021**, 7

166 Short-Term Lesion Change Detection for Melanoma Screening With Novel Siamese Neural Network. **2021**, 40, 840-851 6

165 A survey on incorporating domain knowledge into deep learning for medical image analysis. **2021**, 69, 101985 37

164 Classification of PH2 Images for Early Detection of Skin Diseases. **2021**, 9

163 Towards Accurate Diagnosis of Skin Lesions Using Feedforward Back Propagation Neural Networks. *Diagnostics*, **2021**, 11, 3.8 8

162 Ensembling CNNs for dermoscopic analysis of suspicious skin lesions. **2021**,

161 Towards Domain-Specific Explainable AI: Model Interpretation of a Skin Image Classifier using a Human Approach. **2021**, 1

160 Conditional dependence tests reveal the usage of ABCD rule features and bias variables in automatic skin lesion classification. **2021**, 2

159 Can self-training identify suspicious ugly duckling lesions?. **2021**, 0

158 Melanoma localization and classification through faster region-based convolutional neural network and SVM. **2021**, 80, 28953-28974 4

157 Dermatoscopy of melanoma according to type, anatomic site and stage. **2021**, 156, 1

156 Dermo-DOCTOR: A framework for concurrent skin lesion detection and recognition using a deep convolutional neural network with end-to-end dual encoders. **2021**, 68, 102661 3

155	Enhanced transfer learning model by image shifting on a square lattice for skin lesion malignancy assessment. **2021**,		0
154	Evolution of the Clinical, Dermoscopic and Pathologic Diagnosis of Melanoma. **2021**, 11, e2021163S		3
153	Classification of Dermoscopy Images for Early Detection of Skin Cancer. **2021**,		
152	Performance Evaluation of Novel Convolution Neural Network Architecture for Melanoma Skin Cancer Diagnosis on Different Hardware Processing Units. **2021**, 1950, 012039		0
151	Skin cancer detection from dermoscopic images using deep learning and fuzzy k-means clustering. **2021**,		19
150	Skin Lesion Classification Using Ensemble Transfer Learning. **2022**, 557-566		1
149	Remote Diagnosis and Triaging Model for Skin Cancer Using EfficientNet and Extreme Gradient Boosting. **2021**, 2021, 1-13		5
148	Assessment of Diagnostic Accuracy of Dermoscopic Structures and Patterns Used in Melanoma Detection: A Systematic Review and Meta-analysis. **2021**, 157, 1078-1088		4
147	Incorporating clinical knowledge with constrained classifier chain into a multimodal deep network for melanoma detection. *Computers in Biology and Medicine*, **2021**, 137, 104812	7	4
146	Melanoma Classification Based on Three Different Very Deep Neural Networks. **2021**, 463-476		
145	Influence of germline genetic variants on dermoscopic features of melanoma. **2021**, 34, 618-628		1
144	Melanoma and other skin lesion detection using smart handheld devices. **2015**, 1256, 459-96		9
143	Visualizing Convolutional Neural Networks to Improve Decision Support for Skin Lesion Classification. *Lecture Notes in Computer Science*, **2018**, 115-123	0.9	13
142	Mask2Lesion: Mask-Constrained Adversarial Skin Lesion Image Synthesis. *Lecture Notes in Computer Science*, **2019**, 71-80	0.9	8
141	Dermoscopy: Fundamentals and Technology Advances. **2020**, 3-24		2
140	Blue-White Veil Classification in Dermoscopy Images of the Skin Lesions Using Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2020**, 636-645	0.9	2
139	Dermoscopy/Confocal Microscopy. **2019**, 1-50		2
138	Computational Intelligence and Image Processing Methods for Applications in Skin Cancer Diagnosis. **2010**, 3-20		7

137   Melanoma Diagnosis. **2010**, 307-328   1

136   Skin Lesion Feature Vector Space with a Metric to Model Geometric Structures of Malignancy for   0.9   2
       Classification. *Lecture Notes in Computer Science*, **2012**, 285-297

135   What Is the Role of Color in Dermoscopy Analysis?. *Lecture Notes in Computer Science*, **2013**, 819-826   0.9   6

134   What Is the Role of Color Symmetry in the Detection of Melanomas?. *Lecture Notes in Computer*   0.9   4
       Science, **2013**, 1-10

133   Skin Melanoma Assessment Using Kapur's Entropy and Level Set—A Study with Bat Algorithm.   30
       2019, 193-202

132   Color Models for Skin Lesion Classification from Dermatoscopic Images. **2020**, 85-98   4

131   Shape and color feature based melanoma diagnosis using dermoscopic images. **2021**, 12, 5371-5380   2

130   How to diagnose malignant melanoma. **2002**, 27, 26-7, 31-5; quiz 36-7   2

129   Integrating Patient Data Into Skin Cancer Classification Using Convolutional Neural Networks: 10
       Systematic Review. **2021**, 23, e20708

128   Classification of Skin Lesion Using (Segmentation) Shape Feature Detection. **2020**, 221-228   1

127   Strategies for early recognition of cutaneous melanoma-present and future. **2012**, 2, 203a06   15

126   When algorithms falter: a case report of a very small melanoma excised due to the dermatoscopic   7
       "ugly duckling" sign. **2013**, 3, 59-62

125   Trends in dermoscopy use in the UK: results from surveys in 2003 and 2012. **2015**, 5, 29-38   16

124   Detection of Malignant Melanoma Using Artificial Intelligence: An Observational Study of   11
       Diagnostic Accuracy. **2020**, 10, e2020011

123   Predictive value of global dermoscopic pattern in patients diagnosed with cutaneous melanoma.
       2021, 38, 572-577

122   Classification of Dermatological Asymmetry of the Skin Lesions Using Pretrained Convolutional   0.9   1
       Neural Networks. *Lecture Notes in Computer Science*, **2021**, 3-14

121   Dermoscopy. **2022**, 237-294

120   Nävi und Melanome im Kindes- und Jugendalter. **2000**, 577-587

119   Epiluminescence Microscopy of Pigmented Skin Lesions. **2000**, 668-674

118   Dermatoskopie: von der Lupe zum Computer. **2002**, 229-242

117   Aktuelle Aspekte der Dermatoskopie. **2003**, 533-544

116   Prevention strategies, early detection and results of education programmes. **2003**, 81-89

115   Dermoscopy. **2004**, 60-73   1

114   Automated Assessment of Pigment Distribution and Color Areas for Melanoma Diagnosis. **2006**, 135-144   0

113   Intensity and Region-Based Feature Recognition in Solar Images. **2007**, 59-149

112   Dermoscopy of Pigmented Skin Tumors. **2007**, 2007, 1-21   1

111   18 Huidcarcinoom. **2009**, 213-231

110   Skin Lesions Characterisation Utilising Clustering Algorithms. *Lecture Notes in Computer Science*, **2010**, 243-253   0.9   3

109   Diagnosis of Skin Cancer. **2010**, 1-15

108   Independent Component Clustering for Skin Lesions Characterization. **2011**, 472-482

107   The Dermoscopic Patterns of Melanoma and Non-Melanoma Skin Cancer. **2011**, 386-399

106   Implication of the Strand-Specific Imprinting and Segregation Model: Integrating Hormone Exposure, Stem Cell and Lateral Asymmetry Hypotheses in Breast Cancer Aetiology. **2013**, 2013,   0

105   Diagnostic accuracy of dermoscopy. **2012**, 351-353

104   Color and Spatial Features Integrated Normalized Distance for Density Based Border Detection in Dermoscopy Images. **2013**, 41-61

103   Texture Information in Melanocytic Skin Lesion Analysis Based on Standard Camera Images. **2014**, 221-242   2

102   Glowing in the dark: case report of a clue-poor melanoma unmasked by polarized dermatoscopy. **2014**, 4, 83-7

83	Skin Cancer Classification Using Convolutional Neural Networks with Integrated Patient Data: A Systematic Review (Preprint).	
82	Less is More: Sample Selection and Label Conditioning Improve Skin Lesion Segmentation. **2020**,	0
81	Extraction of Skin Melanoma Section using Levelset Segmentation - An Analysis. **2020**,	
80	Image Assisted Assessment of Cancer Segment from Dermoscopy Images. *Advances in Intelligent Systems and Computing*, **2021**, 701-710	0.4
79	Functional Networks for Image Segmentation of Cutaneous Lesions with Rational Curves. *Advances in Intelligent Systems and Computing*, **2021**, 780-789	0.4
78	Evaluation of Big Data Based CNN Models in Classification of Skin Lesions with Melanoma. **2021**, 79-98	
77	Skin Cancer in Pregnancy. **2020**, 89-111	
76	Dermoscopy/Confocal Microscopy for Melanoma Diagnosis. **2020**, 145-194	1
75	Dermoscopy for Melanoma. **2020**, 37-44	1
74	Dermatologic Surgery in Pregnancy. **2020**, 113-121	
73	NURBS functional network approach for automatic image segmentation of macroscopic medical images in melanoma detection. **2021**, 56, 101481	0
72	Detection and Recognition of Skin Cancer in Dermatoscopy Images. **2020**,	1
71	Deep learning-level melanoma detection by interpretable machine learning and imaging biomarker cues. **2020**, 25,	3
70	Transfer Learning in Skin Lesion Classification. *Advances in Intelligent Systems and Computing*, **2021**, 343-349	4
69	Modeling clinical judgment and implicit guideline compliance in the diagnosis of melanomas using machine learning. **2005**, 664-8	6
68	"Twin lesions": Which one is the bad one? Improvement of clinical diagnosis with reflectance confocal microscopy. **2017**, 7, 11-17	
67	Using Dermoscopy to Identify Melanoma and Improve Diagnostic Discrimination. **2018**, 35, S39-S45	5
66	The Importance of Dermoscopy in Early Recognition of Melanoma in Situ. **2019**, 45, 366-371	

(2022-2021)

65   Multi-features extraction based on deep learning for skin lesion classification. **2021**, 74, 101701   2

64   Optimal surveillance strategies for patients with stage 1 cutaneous melanoma post primary tumour excision: three systematic reviews and an economic model. **2021**, 25, 1-178   1

63   Opportunities and Challenges: Classification of Skin Disease Based on Deep Learning. **2021**, 34,   1

62   Multiclass Skin Cancer Classification Using Ensemble of Fine-Tuned Deep Learning Models. **2021**, 11, 10593   0

61   Update on trichoscopy: Integration of the terminology by systematic approach and a proposal of a diagnostic flowchart. **2021**,   1

60   A survey on artificial intelligence techniques for chronic diseases: open issues and challenges. 1   2

59   Intelligent Data Analytics for Diagnosing Melanoma Skin Lesions via Deep Learning in IoT System. **2021**, 2021, 1-12

58   Interpretability of a Deep Learning Based Approach for the Classification of Skin Lesions into Main Anatomic Body Sites. *Cancers*, **2021**, 13,   6.6   2

57   Enhancing Dermoscopic Features Classification in Images Using Invariant Dataset Augmentation and Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2021**, 403-417   0.9

56   A Multi-Input CNNs with Attention for Skin Lesion Classification. **2020**,

55   Melanoma Detection Using Decision Fusion of Various Classifiers. **2020**,   0

54   Using Health Concept Surveying to Elicit Usable Evidence: Case Studies of a Novel Evaluation Methodology (Preprint).

53   Using Health Concept Surveying to Elicit Usable Evidence: Case Studies of a Novel Evaluation Methodology.. *JMIR Human Factors*, **2022**, 9, e30474   2.5

52   A Novel Hybrid Method for Melanoma Classification from Skin Images. *Algorithms for Intelligent Systems*, **2022**, 559-567   0.5

51   Introduction. **2022**, 1-24

50   Development of expert system for skin disease identification. **2022**, 137-178

49   End-User Skin Analysis (Moles) through Image Acquisition and Processing System.. *Sensors*, **2022**, 22,   3.8

48   ExAID: A multimodal explanation framework for computer-aided diagnosis of skin lesions.. *Computer Methods and Programs in Biomedicine*, **2022**, 215, 106620   6.9   3

47	A Novel Dual Model Approach for Categorization of Unbalanced Skin Lesion Image Classes. *Advances in Intelligent Systems and Computing*, **2022**, 635-649	0.4	
46	Patch-based local deep feature extraction for automated skin cancer classification. *International Journal of Imaging Systems and Technology*,	2.5	0
45	NEURAL NETWORKS FROM KERAS IN SKIN LESION DIAGNOSTIC. *Informatyka Automatyka Pomiary W Gospodarce I Ochronie ⬚odowiska*, **2022**, 12, 40-43	0.2	
44	Diagnostic Algorithms in Dermoscopy and Their Use - A Review. *Dermatologie Pro Praxi*, **2022**, 16, 48-51	0.1	
43	Superpixel-Oriented Label Distribution Learning for Skin Lesion Segmentation.. *Diagnostics*, **2022**, 12,	3.8	0
42	Dermoscopic Image Classification with Neural Style Transfer. *Journal of Computational and Graphical Statistics*, 1-30	1.4	1
41	Detection of melanoma in dermoscopic images by integrating features extracted using handcrafted and deep learning models. *Computers and Industrial Engineering*, **2022**, 168, 108060	6.4	2
40	Multi-class skin lesion classification using prism- and segmentation-based fractal signatures. *Expert Systems With Applications*, **2022**, 197, 116671	7.8	0
39	Quantitative Comparison of Color Asymmetry Features for Automatic Melanoma Detection. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 3753-3756	0.9	
38	ZooME: Efficient Melanoma Detection Using Zoom-in Attention and Metadata Embedding Deep Neural Network. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 4041-4044	0.9	
37	Clifford algebra multivectors and kernels for melanoma classification. *Mathematical Methods in the Applied Sciences*, **2022**, 45, 4056-4068	2.3	1
36	Skin Cancer Detection Using Infrared Thermography: Measurement Setup, Procedure and Equipment.. *Sensors*, **2022**, 22,	3.8	1
35	European consensus-based interdisciplinary guideline for melanoma. Part 1: Diagnostics: Update 2022.. *European Journal of Cancer*, **2022**,	7.5	4
34	Electrical Impedance Spectroscopy Improves Skin Cancer Detection and Reduces the Number of Biopsies. *Dermato*, **2022**, 2, 21-29		
33	Diagnostic Accuracy and Cost Savings Associated with Dermoscopy: An Economic Study. *Seminars in Plastic Surgery*,	2	0
32	Skin Lesion Detection Using Recent Machine Learning Approaches. *Studies in Big Data*, **2022**, 193-211	0.9	
31	Skin Cancer Classification With Deep Learning: A Systematic Review. *Frontiers in Oncology*, 12,	5.3	1
30	DTP-Net: A convolutional neural network model to predict threshold for localizing the lesions on dermatological macro-images. *Computers in Biology and Medicine*, **2022**, 148, 105852	7	2

29	Deep learning-based classification of dermatological lesions given a limited amount of labeled data. *Journal of the European Academy of Dermatology and Venereology,*	4.6
28	Sensitivity analysis of latent variables in Variational Autoencoders for Dermoscopic Image Analysis. **2022**,	
27	MDFNet: application of multimodal fusion method based on skin image and clinical data to skin cancer classification.	0
26	Deep and handcrafted features from clinical images combined with patient information for skin cancer diagnosis. **2022**, 162, 112445	
25	Classification of Skin Lesion through Active Learning Strategies. **2022**, 226, 107122	0
24	A comprehensive analysis of dermoscopy images for melanoma detection via deep CNN features. **2023**, 79, 104186	1
23	Diagnostic Strategies and Algorithms of Dermoscopy. **2022**, 19-30	0
22	Early Computer-Aided Diagnose in´Medical Environments: A Deep Learning Based Lightweight Solution. **2022**, 149-164	0
21	MobileSkin: Classification of Skin Lesion Images Acquired Using Mobile Phone-Attached Hand-Held Dermoscopes. **2022**, 11, 5102	0
20	Dysplastic Nevus Part I:Historical Perspective, Classification, and Epidemiology. **2022**,	1
19	A deep learning based multimodal fusion model for skin lesion diagnosis using smartphone collected clinical images and metadata. 9,	0
18	Skin lesion classification using CNNs with grouping of multi-scale attention and class-specific loss weighting. **2022**, 226, 107166	1
17	SkiNet: A deep learning framework for skin lesion diagnosis with uncertainty estimation and explainability. **2022**, 17, e0276836	0
16	A classification method for multi-class skin damage images combining quantum computing and Inception-ResNet-V1. 10,	0
15	SSD-KD: A self-supervised diverse knowledge distillation method for lightweight skin lesion classification using dermoscopic images. **2022**, 102693	0
14	Agreement Between Experts and an Untrained Crowd for Identifying Dermoscopic Features Using a Gamified App: Reader Feasibility Study. 11, e38412	0
13	Augmentation by Counterfactual Explanation -Fixing an Overconfident Classifier. **2023**,	0
12	Dermatoscopy in the Public Health Environment. **2023**, 1521-1554	0

11	Multiclass skin lesion localization and classification using deep learning based features fusion and selection framework for smart healthcare. **2023**, 160, 238-258	0
10	A novel soft attention-based multi-modal deep learning framework for multi-label skin lesion classification. **2023**, 120, 105897	0
9	A Novel Framework for Melanoma Lesion Segmentation Using Multiparallel Depthwise Separable and Dilated Convolutions with Swish Activations. **2023**, 2023, 1-15	0
8	FairDisCo: Fairer AI in Dermatology via Disentanglement Contrastive Learning. **2023**, 185-202	0
7	Interpretable Skin Cancer Classification based on Incremental Domain Knowledge Learning. **2023**, 7, 59-83	0
6	Investigating Neural Network Training on a Feature Level Using Conditional Independence. **2023**, 383-399	0
5	Fusion of Shallow and Deep Features for Classifying Skin Lesions. **2022**,	0
4	Automated Skin Lesion Segmentation using VGG-UNet. **2022**,	0
3	Skin cancer detection using machine learning techniques: a review. **2022**, 9, 34	0
2	Towards Diagnosis of Autoimmune Blistering Skin Diseases Using Deep Neural Network.	0
1	Classification of skin lesions with generative adversarial networks and improved MobileNetV2.	0