

Beatriz Remeseiro

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

878
citations

758635

12
h-index

500791

28
g-index

52
all docs

52
docs citations

52
times ranked

852
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of feature selection methods in medical applications. Computers in Biology and Medicine, 2019, 112, 103375.	3.9	393
2	Grab, Pay, and Eat: Semantic Food Detection for Smart Restaurants. IEEE Transactions on Multimedia, 2018, 20, 3266-3275.	5.2	77
3	Feature selection in image analysis: a survey. Artificial Intelligence Review, 2020, 53, 2905-2931.	9.7	67
4	A Methodology for Improving Tear Film Lipid Layer Classification. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1485-1493.	3.9	32
5	Semantic segmentation with DenseNets for carotid artery ultrasound plaque segmentation and CIMT estimation. Artificial Intelligence in Medicine, 2020, 103, 101784.	3.8	30
6	Automatic cyst detection in OCT retinal images combining region flooding and texture analysis. , 2013, , .		21
7	Towards explainable personalized recommendations by learning from usersâ€™ photos. Information Sciences, 2020, 520, 416-430.	4.0	21
8	Automatic classification of the interferential tear film lipid layer using colour texture analysis. Computer Methods and Programs in Biomedicine, 2013, 111, 93-103.	2.6	19
9	Correlation between Tear Osmolarity and Tear Meniscus. Optometry and Vision Science, 2014, 91, 1419-1429.	0.6	19
10	CASDES: A Computer-Aided System to Support Dry Eye Diagnosis Based on Tear Film Maps. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 936-943.	3.9	19
11	Statistical Comparison of Classifiers Applied to the Interferential Tear Film Lipid Layer Automatic Classification. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-10.	0.7	18
12	Automatic detection of defective crankshafts by image analysis and supervised classification. International Journal of Advanced Manufacturing Technology, 2019, 105, 3761-3777.	1.5	14
13	iDEAS: A web-based system for dry eye assessment. Computer Methods and Programs in Biomedicine, 2016, 130, 186-197.	2.6	13
14	Evaluation of an automatic dry eye test using MCDM methods and rank correlation. Medical and Biological Engineering and Computing, 2017, 55, 527-536.	1.6	12
15	Texture and Color Analysis for the Automatic Classification of the Eye Lipid Layer. Lecture Notes in Computer Science, 2011, , 66-73.	1.0	11
16	Automatic classification of retinal blood vessels based on multilevel thresholding and graph propagation. Visual Computer, 2021, 37, 1247-1261.	2.5	11
17	Color Texture Analysis for Tear Film Classification: A Preliminary Study. Lecture Notes in Computer Science, 2010, , 388-397.	1.0	10
18	Automatic grading system for human tear films. Pattern Analysis and Applications, 2015, 18, 677-694.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Colour Texture Analysis for Classifying the Tear Film Lipid Layer: A Comparative Study. , 2011, , .		8
20	Playing to distraction: towards a robust training of CNN classifiers through visual explanation techniques. Neural Computing and Applications, 2021, 33, 16937-16949.	3.2	6
21	Objective quality assessment of retinal images based on texture features. , 2017, , .		5
22	Analyzing First-Person Stories Based on Socializing, Eating and Sedentary Patterns. Lecture Notes in Computer Science, 2017, , 109-119.	1.0	5
23	Machine Learning Applied to Optometry Data. Intelligent Systems Reference Library, 2018, , 123-160.	1.0	5
24	Automatic Drusen Detection from Digital Retinal Images: AMD Prevention. Lecture Notes in Computer Science, 2009, , 187-194.	1.0	5
25	Interferential Tear Film Lipid Layer Classification: An Automatic Dry Eye Test. , 2012, , .		3
26	A Texture-Based Method for Choroid Segmentation in Retinal EDI-OCT Images. Lecture Notes in Computer Science, 2015, , 487-493.	1.0	3
27	Real-Time Tear Film Classification Through Cost-Based Feature Selection. Lecture Notes in Computer Science, 2015, , 78-98.	1.0	3
28	Do individuals with autoimmune disease have increased risk of subclinical carotid atherosclerosis and stiffness?. Hypertension Research, 2021, 44, 978-987.	1.5	3
29	Criteria for lipid layer pattern evaluation: Pli-marker database. Proceedings of SPIE, 2013, , .	0.8	2
30	Acceleration of Tear Film Map Definition on Multicore Systems. Procedia Computer Science, 2016, 80, 41-51.	1.2	2
31	Parallel definition of tear film maps on distributed-memory clusters for the support of dry eye diagnosis. Computer Methods and Programs in Biomedicine, 2017, 139, 51-60.	2.6	2
32	Feature Selection for Big Visual Data: Overview and Challenges. Lecture Notes in Computer Science, 2018, , 136-143.	1.0	2
33	DeepNEM: Deep Network Energy-Minimization for Agricultural Field Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 726-737.	2.3	2
34	Directional Gaze Analysis in Webcam Video Sequences. Lecture Notes in Computer Science, 2010, , 316-324.	1.0	2
35	Characterisation of Retinal Feature Points Applied to a Biometric System. Lecture Notes in Computer Science, 2009, , 355-363.	1.0	2
36	Polyvascular Subclinical Atherosclerosis: Correlation Between Ankle Brachial Index and Carotid Atherosclerosis in a Population-Based Sample. Angiology, 0, , 000331972211107.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Automatic and semi-automatic approaches for arteriolar-to-venular computation in retinal photographs. , 2017, , .		1
38	Colour Texture Segmentation of Tear Film Lipid Layer Images. Lecture Notes in Computer Science, 2013, , 140-147.	1.0	1
39	Evaluation of Class Binarization and Feature Selection in Tear Film Classification using TOPSIS. Communications in Computer and Information Science, 2014, , 179-193.	0.4	1
40	Choroid Characterization in EDI OCT Retinal Images Based on Texture Analysis. , 2015, , .		1
41	Automatic Eye Blink Detection Using Consumer Web Cameras. Lecture Notes in Computer Science, 2015, , 103-114.	1.0	0
42	Case Studies to Demonstrate Real-World Applications in Ophthalmic Image Analysis. Intelligent Systems Reference Library, 2022, , 83-125.	1.0	0
43	Imaging of the Eye after Glaucoma Surgery. , 2014, , 198-213.		0
44	ON THE IMPROVEMENT OF A PROGRAMMING GYMKHANA FOR PYTHON SELF-LEARNING. , 2020, , .		0
45	FINEXT 2020: DESIGNING INNOVATIVE ACTIONS BASED ON PAST EXPERIENCES AND PROJECTS. , 2020, , .		0