

Sami S Brandt

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,053
citations

1040056

9
h-index

580821

25
g-index

50
all docs

50
docs citations

50
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	A generic camera model and calibration method for conventional, wide-angle, and fish-eye lenses. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1335-1340.	13.9	646
2	Accurate Segmentation of Dental Panoramic Radiographs with U-NETS. , 2019, , .		51
3	Quasi-Dense Wide Baseline Matching Using Match Propagation. , 2007, , .		42
4	Automatic TEM image alignment by trifocal geometry. Journal of Microscopy, 2006, 222, 1-14.	1.8	37
5	Statistical Shape Features for Content-Based Image Retrieval. Journal of Mathematical Imaging and Vision, 2002, 17, 187-198.	1.3	26
6	Measuring and modelling sewer pipes from video. Machine Vision and Applications, 2008, 19, 73-83.	2.7	25
7	An Anatomically Oriented Breast Coordinate System for Mammogram Analysis. IEEE Transactions on Medical Imaging, 2011, 30, 1841-1851.	8.9	23
8	Object recognition and segmentation by non-rigid quasi-dense matching. , 2008, , .		20
9	Statistical modeling and removal of lipid membrane projections for cryo-EM structure determination of reconstituted membrane proteins. Journal of Structural Biology, 2016, 194, 49-60.	2.8	17
10	Markerless Alignment in Electron Tomography. , 2007, , 187-215.		14
11	Segmentation of B-mode cardiac ultrasound data by Bayesian Probability Maps. Medical Image Analysis, 2014, 18, 1184-1199.	11.6	13
12	Removal of Vesicle Structures From Transmission Electron Microscope Images. IEEE Transactions on Image Processing, 2016, 25, 540-552.	9.8	10
13	A Bayesian reconstruction method for micro-rotation imaging in light microscopy. Microscopy Research and Technique, 2008, 71, 158-167.	2.2	9
14	Structure-From-Motion Without Correspondence From Tomographic Projections by Bayesian Inversion Theory. IEEE Transactions on Medical Imaging, 2007, 26, 238-248.	8.9	8
15	On the probabilistic epipolar geometry. Image and Vision Computing, 2008, 26, 405-414.	4.5	8
16	A Bayesian Framework for Automated Cardiovascular Risk Scoring on Standard Lumbar Radiographs. IEEE Transactions on Medical Imaging, 2012, 31, 663-676.	8.9	8
17	Multilinear Modelling of Faces and Expressions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3540-3554.	13.9	8
18	A Bayesian weighting principle for the fundamental matrix estimation. Pattern Recognition Letters, 2000, 21, 1081-1092.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Maximum Likelihood Robust Regression by Mixture Models. <i>Journal of Mathematical Imaging and Vision</i> , 2006, 25, 25-48.	1.3	6
20	Fast and accurate multi-view reconstruction by multi-stage prioritised matching. <i>IET Computer Vision</i> , 2015, 9, 576-587.	2.0	6
21	Uncalibrated non-rigid factorisation with automatic shape basis selection. , 2009, , .		5
22	Quasi-dense Wide Baseline Matching for Three Views. , 2010, , .		5
23	Conditional solutions for the affine reconstruction of N-views. <i>Image and Vision Computing</i> , 2005, 23, 619-630.	4.5	4
24	Apathy Is the Root of All Expressions. , 2017, , .		4
25	A Static SMC Sampler on Shapes for the Automated Segmentation of Aortic Calcifications. <i>Lecture Notes in Computer Science</i> , 2010, , 666-679.	1.3	4
26	A method to determine the mammographic regions that show early changes due to the development of breast cancer. <i>Physics in Medicine and Biology</i> , 2014, 59, 6759-6773.	3.0	3
27	Conditional Point Distribution Models. <i>Lecture Notes in Computer Science</i> , 2011, , 1-10.	1.3	3
28	Tensor-Based Non-Rigid Structure from Motion. , 2022, , .		3
29	<title>Automatic alignment of electron tomography images using markers</title>. , 2000, , .		2
30	Dual filtered backprojection for micro-rotation confocal microscopy. <i>Inverse Problems</i> , 2009, 25, 015006.	2.0	2
31	A Bayesian Reconstruction Method with Marginalized Uncertainty Model for Camera Motion in Microrotation Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1719-1728.	4.2	2
32	Breast tissue segmentation from x-ray radiographs. <i>Physics in Medicine and Biology</i> , 2014, 59, 2445-2456.	3.0	2
33	Uncalibrated Non-Rigid Factorisation by Independent Subspace Analysis. , 2019, , .		2
34	Analysis of the Effect of Dataset Construction Methodology on Transferability of Music Emotion Recognition Models. , 2020, , .		2
35	Generalised Skillingâ€“Bryan Minimisation for Micro-Rotation Imaging in Light Microscopy. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
36	Epipolar geometry and log-polar transform in wide baseline stereo matching. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	Convex spatio-temporal segmentation of the endocardium in ultrasound data using distribution and shape priors. , 2011, , .		1
38	Projective structure from facial motion. , 2017, , .		1
39	Dense and Deformable Motion Segmentation for Wide Baseline Images. Lecture Notes in Computer Science, 2009, , 379-389.	1.3	1
40	Tensor-based Subspace Factorization for StyleGAN. , 2021, , .		1
41	Consistent and efficient sampler for geometric computation. , 2008, , .		0
42	Dual distributions of multilinear geometric entities. , 2009, , .		0
43	Prediction of growth based on shape analysis of atherosclerotic calcifications from lateral X-ray images. , 2011, , .		0
44	On the bayesian reconstruction method for randomly oriented particles in cryo-EM. , 2013, , .		0
45	Knot detection in X-ray images of wood planks using dictionary learning. , 2015, , .		0
46	Self-calibration of Central Cameras from Point Correspondences by Minimizing Angular Error. Communications in Computer and Information Science, 2009, , 109-122.	0.5	0
47	MULTI-VIEW SURFACE RECONSTRUCTION BY QUASI-DENSE WIDE BASELINE MATCHING. Series in Computer Vision, 2011, , 403-424.	0.1	0
48	Bayesian Epipolar Geometry Estimation from Tomographic Projections. Lecture Notes in Computer Science, 2013, , 231-242.	1.3	0
49	Dual distributions of multilinear geometric entities. , 2009, , .		0