

Fredrik Kahl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10600032/publications.pdf>

Version: 2024-02-01

50
papers

1,758
citations

471371

17
h-index

395590

33
g-index

51
all docs

51
docs citations

51
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Tightness of Semidefinite Relaxations for Rotation Estimation. Journal of Mathematical Imaging and Vision, 2022, 64, 57-67.	0.8	5
2	A Quasiconvex Formulation for Radial Cameras. , 2021, , .		1
3	Shape-aware label fusion for multi-atlas frameworks. Pattern Recognition Letters, 2019, 124, 109-117.	2.6	6
4	Fine-Grained Segmentation Networks: Self-Supervised Segmentation for Improved Long-Term Visual Localization. , 2019, , .		46
5	Conditional Random Fields Meet Deep Neural Networks for Semantic Segmentation: Combining Probabilistic Graphical Models with Deep Learning for Structured Prediction. IEEE Signal Processing Magazine, 2018, 35, 37-52.	4.6	99
6	Revisiting Deep Structured Models for Pixel-Level Labeling with Gradient-Based Inference. SIAM Journal on Imaging Sciences, 2018, 11, 2610-2628.	1.3	4
7	Multiatlas Segmentation Using Robust Feature-Based Registration. , 2017, , 203-218.		2
8	Efficient algorithms for robust estimation of relative translation. Image and Vision Computing, 2016, 52, 114-124.	2.7	5
9	Åceberatlas: Fast and robust registration for multi-atlas segmentation. Pattern Recognition Letters, 2016, 80, 249-255.	2.6	13
10	Cloud-Based Evaluation of Anatomical Structure Segmentation and Landmark Detection Algorithms: VISCERAL Anatomy Benchmarks. IEEE Transactions on Medical Imaging, 2016, 35, 2459-2475.	5.4	127
11	A Combinatorial Approach to L_1 -Matrix Factorization. Journal of Mathematical Imaging and Vision, 2015, 51, 430-441.	0.8	2
12	Tractable Algorithms for Robust Model Estimation. International Journal of Computer Vision, 2015, 112, 115-129.	10.9	28
13	Fast and Reliable Two-View Translation Estimation. , 2014, , .		8
14	Verifying Global Minima for L_2 Minimization Problems in Multiple View Geometry. International Journal of Computer Vision, 2013, 101, 288-304.	10.9	11
15	Generalized roof duality. Discrete Applied Mathematics, 2012, 160, 2419-2434.	0.5	22
16	Robust Fitting for Multiple View Geometry. Lecture Notes in Computer Science, 2012, , 738-751.	1.0	30
17	Tighter Relaxations for Higher-Order Models Based on Generalized Roof Duality. Lecture Notes in Computer Science, 2012, , 273-282.	1.0	0
18	Parallel and distributed vision algorithms using dual decomposition. Computer Vision and Image Understanding, 2011, 115, 1721-1732.	3.0	8

#	ARTICLE	IF	CITATIONS
19	Normalized Cuts Revisited: A Reformulation for Segmentation with Linear Grouping Constraints. Journal of Mathematical Imaging and Vision, 2011, 39, 45-61.	0.8	23
20	Generalized roof duality for pseudo-boolean optimization. , 2011, , .		23
21	Generalized Convexity in Multiple View Geometry. Journal of Mathematical Imaging and Vision, 2010, 38, 35-51.	0.8	18
22	Global Optimization for One-Dimensional Structure and Motion Problems. SIAM Journal on Imaging Sciences, 2010, 3, 1075-1095.	1.3	1
23	Parallel and distributed graph cuts by dual decomposition. , 2010, , .		51
24	Global Optimization through Rotation Space Search. International Journal of Computer Vision, 2009, 82, 64-79.	10.9	182
25	Projective least-squares: Global solutions with local optimization. , 2009, , .		8
26	Curvature regularity for region-based image segmentation and inpainting: A linear programming relaxation. , 2009, , .		60
27	Branch-and-Bound Methods for Euclidean Registration Problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 783-794.	9.7	112
28	Globally Optimal Least Squares Solutions for Quasiconvex 1D Vision Problems. Lecture Notes in Computer Science, 2009, , 686-695.	1.0	1
29	Camera Resectioning from a Box. Lecture Notes in Computer Science, 2009, , 259-268.	1.0	1
30	Practical Global Optimization for Multiview Geometry. International Journal of Computer Vision, 2008, 79, 271-284.	10.9	77
31	Triangulation of Points, Lines and Conics. Journal of Mathematical Imaging and Vision, 2008, 32, 215-225.	0.8	11
32	A minimal solution for relative pose with unknown focal length. Image and Vision Computing, 2008, 26, 871-877.	2.7	30
33	Multiple-View Geometry Under the $\{L_\infty\}$ -Norm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1603-1617.	9.7	204
34	A polynomial-time bound for matching and registration with outliers. , 2008, , .		56
35	Robust Optimal Pose Estimation. Lecture Notes in Computer Science, 2008, , 141-153.	1.0	21
36	Solving Large Scale Binary Quadratic Problems: Spectral Methods vs. Semidefinite Programming. , 2007, , .		31

#	ARTICLE	IF	CITATIONS
37	Normalized Cuts Revisited: A Reformulation for Segmentation with Linear Grouping Constraints. , 2007, , .		23
38	Efficient optimization for L<sub>∞</sub>-problems using pseudoconvexity. , 2007, , .		19
39	An L<sub>∞</sub> approach to structure and motion problems in ID-vision. , 2007, , .		9
40	Global Optimization through Searching Rotation Space and Optimal Estimation of the Essential Matrix. , 2007, , .		49
41	Critical Configurations for Projective Reconstruction from Multiple Views. International Journal of Computer Vision, 2007, 71, 5-47.	10.9	40
42	Globally Optimal Estimates for Geometric Reconstruction Problems. International Journal of Computer Vision, 2007, 74, 3-15.	10.9	61
43	Triangulation of Points, Lines and Conics. , 2007, , 162-172.		2
44	Image Segmentation with Context. , 2007, , 283-292.		2
45	Optimal Algorithms in Multiview Geometry. , 2007, , 13-34.		65
46	Affine Reconstruction from Translational Motion under Various Autocalibration Constraints. Journal of Mathematical Imaging and Vision, 2006, 24, 245-257.	0.8	6
47	Ambiguous Configurations for the 1D Structure and Motion Problem. Journal of Mathematical Imaging and Vision, 2003, 18, 191-203.	0.8	10
48	Affine Structure from Translational Motion in Image Sequences. Lecture Notes in Computer Science, 2003, , 387-394.	1.0	3
49	Critical Motions for Auto-Calibration When Some Intrinsic Parameters Can Vary. Journal of Mathematical Imaging and Vision, 2000, 13, 131-146.	0.8	59
50	Affine Structure and Motion from Points, Lines and Conics. International Journal of Computer Vision, 1999, 33, 163-180.	10.9	43