

Ron Kimmel

List of Publications by Year in descending order

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54
papers

3,491
citations

361296

20
h-index

414303

32
g-index

54
all docs

54
docs citations

54
times ranked

2490
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of automated topographic measurements for spine deformity. Spine Deformity, 2022, 10, 1035-1045.	0.7	10
2	Efficient Inter-Geodesic Distance Computation and Fast Classical Scaling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 74-85.	9.7	5
3	Hamiltonian Operator for Spectral Shape Analysis. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1320-1331.	2.9	14
4	Intel® RealSense™ SR300 Coded Light Depth Camera. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2333-2345.	9.7	55
5	CoBe - Coded Beacons for Localization, Object Tracking, and SLAM Augmentation. , 2020, , .		3
6	RGBD-Fusion: Depth Refinement for Diffuse and Specular Objects. Advances in Computer Vision and Pattern Recognition, 2020, , 73-113.	0.9	0
7	Artificial Intelligence Algorithms to Assess Hormonal Status From Tissue Microarrays in Patients With Breast Cancer. JAMA Network Open, 2019, 2, e197700.	2.8	80
8	Data Augmentation for Leaf Segmentation and Counting Tasks in Rosette Plants. , 2019, , .		52
9	3D Reconstruction of Scoliotic Spines from Stereoradiography and Depth Imaging. Annals of Biomedical Engineering, 2018, 46, 1206-1215.	1.3	3
10	Specular-to-Diffuse Translation for Multi-view Reconstruction. Lecture Notes in Computer Science, 2018, , 193-211.	1.0	14
11	Regularized principal component analysis. Chinese Annals of Mathematics Series B, 2017, 38, 1-12.	0.2	8
12	From understanding of color perception to dynamical systems by manifold learning. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9998-9999.	3.3	0
13	Learning Detailed Face Reconstruction from a Single Image. , 2017, , .		221
14	Unrestricted Facial Geometry Reconstruction Using Image-to-Image Translation. , 2017, , .		179
15	Real-Time Depth Refinement for Specular Objects. , 2016, , .		13
16	Randomized independent component analysis. , 2016, , .		0
17	3D Face Reconstruction by Learning from Synthetic Data. , 2016, , .		207
18	Consistent Discretization and Minimization of the L1 Norm on Manifolds. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	RGBD-fusion: Real-time high precision depth recovery. , 2015, , .		41
20	On convex relaxation of graph isomorphism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2942-2947.	3.3	75
21	On the Optimality of Shape and Data Representation in the Spectral Domain. SIAM Journal on Imaging Sciences, 2015, 8, 1141-1160.	1.3	48
22	Classical Scaling Revisited. , 2015, , .		8
23	Spectral gradient fields embedding for nonrigid shape matching. Computer Vision and Image Understanding, 2015, 140, 21-29.	3.0	14
24	Affine Invariant Geometry for Non-rigid Shapes. International Journal of Computer Vision, 2015, 111, 1-11.	10.9	35
25	Rule of thumb: Deep derotation for improved fingertip detection. , 2015, , .		26
26	Close-Range Photometric Stereo with Point Light Sources. , 2014, , .		12
27	Matching the LBO Eigenspace of Non-Rigid Shapes via High Order Statistics. Axioms, 2014, 3, 300-319.	0.9	12
28	Equi-affine Invariant Geometry for Shape Analysis. Journal of Mathematical Imaging and Vision, 2014, 50, 144-163.	0.8	14
29	Iterative Closest Spectral Kernel Maps. , 2014, , .		12
30	Augmented-Lagrangian regularization of matrix-valued maps. Methods and Applications of Analysis, 2014, 21, 105-122.	0.1	13
31	Direct Shape Recovery from Photometric Stereo with Shadows. , 2013, , .		5
32	Sparse Modeling of Shape from Structured Light. , 2012, , .		5
33	Shape representation by metric interpolation. , 2012, , .		0
34	Are MSER Features Really Interesting?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2316-2320.	9.7	73
35	On Semi-implicit Splitting Schemes for the Beltrami Color Image Filtering. Journal of Mathematical Imaging and Vision, 2011, 40, 199-213.	0.8	13
36	Affine-invariant diffusion geometry for the analysis of deformable 3D shapes. , 2011, , .		22

#	ARTICLE	IF	CITATIONS
37	A Gromov-Hausdorff Framework with Diffusion Geometry for Topologically-Robust Non-rigid Shape Matching. International Journal of Computer Vision, 2010, 89, 266-286.	10.9	203
38	Full and Partial Symmetries of Non-rigid Shapes. International Journal of Computer Vision, 2010, 89, 18-39.	10.9	83
39	Nonlinear Dimensionality Reduction by Topologically Constrained Isometric Embedding. International Journal of Computer Vision, 2010, 89, 56-68.	10.9	54
40	Partial Similarity of Objects, or How to Compare a Centaur to a Horse. International Journal of Computer Vision, 2009, 84, 163-183.	10.9	83
41	Topology-Invariant Similarity of Nonrigid Shapes. International Journal of Computer Vision, 2009, 81, 281-301.	10.9	47
42	On reconstruction of non-rigid shapes with intrinsic regularization. , 2009, , .		6
43	Over-Parameterized Variational Optical Flow. International Journal of Computer Vision, 2008, 76, 205-216.	10.9	95
44	Analysis of Two-Dimensional Non-Rigid Shapes. International Journal of Computer Vision, 2008, 78, 67-88.	10.9	89
45	Symmetries of non-rigid shapes. , 2007, , .		46
46	Efficient Computation of Isometry-Invariant Distances Between Surfaces. SIAM Journal of Scientific Computing, 2006, 28, 1812-1836.	1.3	162
47	Representation Analysis and Synthesis of Lip Images Using Dimensionality Reduction. International Journal of Computer Vision, 2006, 67, 297-312.	10.9	18
48	Three-Dimensional Face Recognition. International Journal of Computer Vision, 2005, 64, 5-30.	10.9	429
49	Space-dependent color gamut mapping: a variational approach. IEEE Transactions on Image Processing, 2005, 14, 796-803.	6.0	58
50	TECHNIQUES IN AUTOMATIC CORTICAL GRAY MATTER SEGMENTATION OF THREE-DIMENSIONAL (3D) BRAIN IMAGES. , 2005, , 281-306.		1
51	Title is missing!. Journal of Mathematical Imaging and Vision, 2003, 19, 33-48.	0.8	28
52	A Variational Framework for Retinex. International Journal of Computer Vision, 2003, 52, 7-23.	10.9	558
53	Variational Restoration and Edge Detection for Color Images. Journal of Mathematical Imaging and Vision, 2003, 18, 247-268.	0.8	68
54	Optimal Algorithm for Shape from Shading and Path Planning. Journal of Mathematical Imaging and Vision, 2001, 14, 237-244.	0.8	167