

Sung Ha Kang

List of Publications by Year in descending order

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papers

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27
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663
citing authors

#	ARTICLE	IF	CITATIONS
1	Euler's Elastica and Curvature-Based Inpainting. SIAM Journal on Applied Mathematics, 2003, 63, 564-592.	1.8	283
2	Total Variation Denoising and Enhancement of Color Images Based on the CB and HSV Color Models. Journal of Visual Communication and Image Representation, 2001, 12, 422-435.	2.8	168
3	Multiphase Image Segmentation via Modica's Mortola Phase Transition. SIAM Journal on Applied Mathematics, 2007, 67, 1213-1232.	1.8	73
4	Color image decomposition and restoration. Journal of Visual Communication and Image Representation, 2006, 17, 916-928.	2.8	72
5	Variational Models for Image Colorization via Chromaticity and Brightness Decomposition. IEEE Transactions on Image Processing, 2007, 16, 2251-2261.	9.8	59
6	Image and Video Colorization Using Vector-Valued Reproducing Kernel Hilbert Spaces. Journal of Mathematical Imaging and Vision, 2010, 37, 49-65.	1.3	37
7	A Fast Relaxed Normal Two Split Method and an Effective Weighted TV Approach for Euler's Elastica Image Inpainting. SIAM Journal on Imaging Sciences, 2016, 9, 1552-1581.	2.2	33
8	A regularized k-means and multiphase scale segmentation. Inverse Problems and Imaging, 2011, 5, 407-429.	1.1	32
9	Error Analysis for Image Inpainting. Journal of Mathematical Imaging and Vision, 2006, 26, 85-103.	1.3	28
10	Unsupervised Multiphase Segmentation: A Phase Balancing Model. IEEE Transactions on Image Processing, 2010, 19, 119-130.	9.8	27
11	Illusory Shapes via Corner Fusion. SIAM Journal on Imaging Sciences, 2014, 7, 1907-1936.	2.2	20
12	Curvature Regularized Surface Reconstruction from Point Clouds. SIAM Journal on Imaging Sciences, 2020, 13, 1834-1859.	2.2	16
13	Supervised and transductive multi-class segmentation using p-Laplacians and RKHS methods. Journal of Visual Communication and Image Representation, 2014, 25, 1136-1148.	2.8	14
14	A geodesic-active-contour-based variational model for short-axis cardiac MR image segmentation. International Journal of Computer Mathematics, 2013, 90, 124-139.	1.8	11
15	Quantum TV and applications in image processing. Inverse Problems and Imaging, 2007, 1, 557-575.	1.1	10
16	Video dejittering by bake and shake. Image and Vision Computing, 2006, 24, 143-152.	4.5	9
17	Existence and regularity of minimizers of a functional for unsupervised multiphase segmentation. Nonlinear Analysis: Theory, Methods & Applications, 2013, 76, 181-201.	1.1	6
18	Efficient alternating minimization methods for variational edge-weighted colorization models. Advances in Computational Mathematics, 2019, 45, 1735-1767.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Multiphase image segmentation via equally distanced multiple well potential. Journal of Visual Communication and Image Representation, 2014, 25, 1446-1459.	2.8	5
20	JOT: A Variational Signal Decomposition Into Jump, Oscillation and Trend. IEEE Transactions on Signal Processing, 2022, 70, 772-784.	5.3	4
21	Path optimization with limited sensing ability. Journal of Computational Physics, 2015, 299, 887-901.	3.8	3
22	Image Dejittering Based on Slicing Moments. Mathematics and Visualization, 2007, , 35-55.	0.6	3
23	Optimal Sensor Positioning; A Probability Perspective Study. SIAM Journal of Scientific Computing, 2017, 39, B759-B777.	2.8	2
24	Survey of fast algorithms for Euler's elastica-based image segmentation. Handbook of Numerical Analysis, 2019, 20, 533-552.	1.8	2
25	Scale and Edge Detection with Topological Derivatives. Lecture Notes in Computer Science, 2013, , 404-415.	1.3	0
26	Lattice Metric Space Application to Grain Defect Detection. Lecture Notes in Computer Science, 2019, , 381-392.	1.3	0
27	Counting Objects by Diffused Index: Geometry-free and training-free approach. Journal of Visual Communication and Image Representation, 2022, 86, 103527.	2.8	0