

Serge Belongie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

4,863
citations

21
h-index

36
g-index

36
ext. papers

6,589
ext. citations

7.1
avg. IF

6.26
L-index

#	Paper	IF	Citations
34	Fine-Grained Image Analysis with Deep Learning: A Survey. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	10
33	Object Detection in Aerial Images: A Large-Scale Benchmark and Challenges. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	34
32	An algorithm competition for automatic species identification from herbarium specimens. <i>Applications in Plant Sciences</i> , 2020 , 8, e11365	2.3	9
31	Transfer learning in computer vision tasks: Remember where you come from. <i>Image and Vision Computing</i> , 2020 , 93, 103853	3.7	18
30	The Plant Pathology Challenge 2020 data set to classify foliar disease of apples. <i>Applications in Plant Sciences</i> , 2020 , 8, e11390	2.3	30
29	Convolutional Networks with Adaptive Inference Graphs. <i>International Journal of Computer Vision</i> , 2020 , 128, 730-741	10.6	8
28	Vision-based real estate price estimation. <i>Machine Vision and Applications</i> , 2018 , 29, 667-676	2.8	40
27	Large Scale Fine-Grained Categorization and Domain-Specific Transfer Learning 2018 ,		120
26	Lean Multiclass Crowdsourcing 2018 ,		6
25	The iNaturalist Species Classification and Detection Dataset 2018 ,		180
24	Controllable Video Generation with Sparse Trajectories 2018 ,		21
23	Learning to Evaluate Image Captioning 2018 ,		21
22	ICPR2018 Contest on Object Detection in Aerial Images (ODAI-18) 2018 ,		4
21	Yum-Me: A Personalized Nutrient-Based Meal Recommender System. <i>ACM Transactions on Information Systems</i> , 2017 , 36,	4.8	61
20	ICDAR2017 Competition on Reading Chinese Text in the Wild (RCTW-17) 2017 ,		69
19	Conditional Similarity Networks 2017 ,		38
18	Learning from Noisy Large-Scale Datasets with Minimal Supervision 2017 ,		141

17	Arbitrary Style Transfer in Real-Time with Adaptive Instance Normalization 2017 ,		926
16	Visipedia circa 2015. <i>Pattern Recognition Letters</i> , 2016 , 72, 15-24	4.7	8
15	Cloud motion and stability estimation for intra-hour solar forecasting. <i>Solar Energy</i> , 2015 , 115, 645-655	6.8	73
14	Three-dimensional sperm surface reconstruction: a novel approach to assessing sperm morphology. <i>Fertility and Sterility</i> , 2015 , 104, e14-5	4.8	2
13	The Ignorant Led by the Blind: A Hybrid HumanMachine Vision System for Fine-Grained Categorization. <i>International Journal of Computer Vision</i> , 2014 , 108, 3	10.6	40
12	Fast Feature Pyramids for Object Detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 1532-45	13.3	1218
11	Analyzing sedentary behavior in life-logging images 2014 ,		3
10	Adaptive ranking of facial attractiveness 2014 ,		7
9	Regression and classification methods for nasolabial folds: a possible paradigm for computer-aided diagnosis of skin diseases. <i>Journal of Dermatology</i> , 2014 , 41, 92-7	1.6	0
8	Improved Bird Species Recognition Using Pose Normalized Deep Convolutional Nets 2014 ,		103
7	Globally Optimal Algorithms for Stratified Autocalibration. <i>International Journal of Computer Vision</i> , 2010 , 90, 236-254	10.6	14
6	Context based object categorization: A critical survey. <i>Computer Vision and Image Understanding</i> , 2010 , 114, 712-722	4.3	207
5	Practical Global Optimization for Multiview Geometry. <i>International Journal of Computer Vision</i> , 2008 , 79, 271-284	10.6	59
4	Framework for parsing, visualizing and scoring tissue microarray images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006 , 10, 209-19		12
3	A Feature-based Approach for Dense Segmentation and Estimation of Large Disparity Motion. <i>International Journal of Computer Vision</i> , 2006 , 68, 125-143	10.6	26
2	Spectral grouping using the Nyström method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 214-25	13.3	754
1	Contour and Texture Analysis for Image Segmentation. <i>International Journal of Computer Vision</i> , 2001 , 43, 7-27	10.6	596