

# Ganesh Sundaramoorthi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12018099/publications.pdf>

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16  
papers

467  
citations

933264

10  
h-index

1281743

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sobolev Active Contours. International Journal of Computer Vision, 2007, 73, 345-366.	10.9	139
2	Coarse-to-Fine Segmentation and Tracking Using Sobolev Active Contours. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 851-864.	9.7	66
3	A New Geometric Metric in the Space of Curves, and Applications to Tracking Deforming Objects by Prediction and Filtering. SIAM Journal on Imaging Sciences, 2011, 4, 109-145.	1.3	65
4	New Possibilities with Sobolev Active Contours. International Journal of Computer Vision, 2009, 84, 113-129.	10.9	41
5	3D Membrane Imaging and Porosity Visualization. Industrial & Engineering Chemistry Research, 2016, 55, 3689-3695.	1.8	31
6	Global Regularizing Flows With Topology Preservation for Active Contours and Polygons. IEEE Transactions on Image Processing, 2007, 16, 803-812.	6.0	28
7	Extending Layered Models to 3D Motion. Lecture Notes in Computer Science, 2018, , 441-457.	1.0	20
8	Shape Tracking with Occlusions via Coarse-to-Fine Region-Based Sobolev Descent. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1053-1066.	9.7	18
9	Tracking deforming objects by filtering and prediction in the space of curves. , 2009, , .		12
10	Modeling Self-Occlusions in Dynamic Shape and Appearance Tracking. , 2013, , .		11
11	Accelerated Variational PDEs for Efficient Solution of Regularized Inversion Problems. Journal of Mathematical Imaging and Vision, 2020, 62, 10-36.	0.8	11
12	A New Model and Simple Algorithms for Multi-label Mumford-Shah Problems. , 2013, , .		6
13	Accelerated Optimization in the PDE Framework Formulations for the Active Contour Case. SIAM Journal on Imaging Sciences, 2020, 13, 2029-2062.	1.3	2
14	PDE Acceleration for Active Contours. , 2019, , .		1
15	Accelerated Optimization in the PDE Framework: Formulations for the Manifold of Diffeomorphisms. SIAM Journal on Imaging Sciences, 2022, 15, 324-366.	1.3	1
16	3D Topology Preserving Flows for Viewpoint-Based Cortical Unfolding. , 2007, , .		0