

S Osher

List of Publications by Citations

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Version: 2024-04-23

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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.

17
papers

1,978
citations

13
h-index

19
g-index

19
ext. papers

2,263
ext. citations

6
avg, IF

4.25
L-index

#	Paper	IF	Citations
17	Simultaneous structure and texture image inpainting. <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 882-9	8.7	541
16	A Simple Level Set Method for Solving Stefan Problems. <i>Journal of Computational Physics</i> , 1997 , 135, 8-29	4.1	341
15	Computing interface motion in compressible gas dynamics. <i>Journal of Computational Physics</i> , 1992 , 100, 209-228	4.1	269
14	Noise removal using smoothed normals and surface fitting. <i>IEEE Transactions on Image Processing</i> , 2004 , 13, 1345-57	8.7	152
13	Maximizing band gaps in two-dimensional photonic crystals by using level set methods. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 81, 235-244	1.9	126
12	Compressed modes for variational problems in mathematics and physics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 18368-73	11.5	118
11	Fast surface reconstruction using the level set method		115
10	Sparse dynamics for partial differential equations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6634-9	11.5	90
9	Geometric surface smoothing via anisotropic diffusion of normals		78
8	. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 1991 , 10, 232-244	2.5	70
7	Direct cortical mapping via solving partial differential equations on implicit surfaces. <i>Medical Image Analysis</i> , 2007 , 11, 207-23	15.4	30
6	A General Technique for Eliminating Spurious Oscillations in Conservative Schemes for Multiphase and Multispecies Euler Equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2002 , 3,	1.8	17
5	Diffusion-Generated Motion by Mean Curvature for Filaments. <i>Journal of Nonlinear Science</i> , 2001 , 11, 473-493	2.8	13
4	High order filtering methods for approximating hyperbolic systems of conservation laws. <i>Journal of Computational Physics</i> , 1991 , 96, 110-142	4.1	7
3	Variational problems and PDEs on implicit surfaces		5
2	Level set methods in image science		3
1	Island-Size Distributions for Submonolayer Epitaxy: Rate Equations and Beyond. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 528, 261		3

