

JosÃ© Gil Marichal-HernÃ¡ndez

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

59
citations

1937685

4
h-index

1720034

7
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16
all docs

16
docs citations

16
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric wavefront phase recovery by use of specialized hardware: graphical processing units and field-programmable gate arrays. Applied Optics, 2005, 44, 7587.	2.1	16
2	Fast approximate 4-D/3-D discrete radon transform for lightfield refocusing. Journal of Electronic Imaging, 2012, 21, 023026.	0.9	10
3	Modal Fourier wavefront reconstruction using graphics processing units. Journal of Electronic Imaging, 2007, 16, 023005.	0.9	8
4	Modal Fourier wavefront reconstruction on graphics processing units. , 2006, 6272, 368.		5
5	Wavefront phase recovery using graphic processing units (GPUs). , 2004, , .		4
6	Real time automatic detection of Orcinus orca vocalizations in a controlled environment. Applied Acoustics, 2010, 71, 771-776.	3.3	4
7	Inverse Multiscale Discrete Radon Transform by Filtered Backprojection. Applied Sciences (Switzerland), 2021, 11, 22.	2.5	3
8	Fast approximate 4D:3D discrete Radon transform, from light field to focal stack with $O(N^4)$ sums. Proceedings of SPIE, 2011, , .	0.8	2
9	Focus measurement in 3D focal stack using direct and inverse discrete radon transform. Proceedings of SPIE, 2017, , .	0.8	2
10	Three-dimensional multiscale discrete Radon and John transforms. Optical Engineering, 2020, 59, .	1.0	2
11	Monocular Real Time Full Resolution Depth Estimation Arrangement with a Tunable Lens. Applied Sciences (Switzerland), 2022, 12, 3141.	2.5	2
12	Static telescope aberration measurement using lucky imaging techniques. Experimental Astronomy, 2012, 34, 1-11.	3.7	1
13	Refocusing from a plenoptic camera within seconds on a mobile phone. Proceedings of SPIE, 2014, , .	0.8	0
14	Lightfield super-resolution through turbulence. , 2015, , .		0
15	Simultaneous computation of discrete Radon transform quadrants for its efficient implementation on real time systems. , 2019, , .		0
16	Central and Periodic Multi-Scale Discrete Radon Transforms. Applied Sciences (Switzerland), 2021, 11, 10606.	2.5	0