

# Hugo Hidalgo

## List of Publications by Year in descending order

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28  
papers

140  
citations

1478505

6  
h-index

1281871

11  
g-index

30  
all docs

30  
docs citations

30  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of behavior patterns in household solid waste generation in Mexicali's city: Study case. Resources, Conservation and Recycling, 2008, 52, 1299-1306.	10.8	46
2	Piecewise smooth models for electromagnetic inverse problems. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 556-561.	6.3	16
3	Application of constructive learning algorithms to the inverse problem. IEEE Transactions on Geoscience and Remote Sensing, 1996, 34, 874-885.	6.3	11
4	A fast Hough Transform algorithm for straight lines detection in an image using GPU parallel computing with CUDA-C. Journal of Supercomputing, 2017, 73, 4823-4842.	3.6	11
5	Adaptive Incremental Stippling using the Poisson-Disk Distribution. Journal of Graphics Tools, 2010, 15, 29-47.	0.3	9
6	Document analysis and visualization with zero-inflated poisson. Data Mining and Knowledge Discovery, 2009, 19, 1-23.	3.7	7
7	Linear Programs for the Reconstruction of 2D Images from Geophysical Electromagnetic Measurements. Subsurface Sensing Technologies and Applications, 2004, 5, 79-96.	0.9	6
8	Application of the kernel method to the inverse geosounding problem. Neural Networks, 2003, 16, 349-353.	5.9	5
9	Contextual Entropy and Text Categorization. , 2006, , .		4
10	<title>Neural network applied in the geophysical inversion problem</title>., 1993, , .		4
11	Piecewise continuous models for resistivity soundings. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 2725-2728.	6.3	3
12	VoCMex: a voice corpus in Mexican Spanish for research in speaker recognition. International Journal of Speech Technology, 2013, 16, 295-302.	2.2	3
13	Bregman iterative algorithms for 2D geosounding inversion. Inverse Problems in Science and Engineering, 2015, 23, 1085-1099.	1.2	3
14	Inversion of electromagnetic geosoundings using coordinate descent optimization. Inverse Problems in Science and Engineering, 2013, 21, 1183-1198.	1.2	2
15	Indexing and searching point clouds. Journal of Intelligent and Fuzzy Systems, 2018, 34, 3349-3358.	1.4	2
16	Algoritmos de Binarizaci3n Robusta de Im3genes con Iluminaci3n No Uniforme. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2018, 15, 252.	1.0	2
17	Nonsmooth nonconvex optimization for geosounding inversion. , 2015, , .		1
18	Nonsmooth Nonconvex Optimization for Low-Frequency Geosounding Inversion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2197-2205.	4.9	1

#	ARTICLE	IF	CITATIONS
19	Impulse noise treatment in magnetotelluric inversion. Open Geosciences, 2021, 13, 130-137.	1.7	1
20	Comments on two methods of approximation of real $Q$ in biquadratic filters. International Journal of Circuit Theory and Applications, 1983, 11, 415-420.	2.0	0
21	<title>Generating piece-wise continuous models for electromagnetic inverse problems</title>. , 1997, , .		0
22	<title>Inversion of MT profiles using laterally coupled 1D piecewise continuous models</title>. , 1998, , .		0
23	Inversion of DC profiles using 1D piecewise continuous models. , 2000, , .		0
24	Nearshore wave spectrum retrieval from spaceborne SAR imagery. , 2005, , .		0
25	Geoelectric modeling with Kernel methods. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
26	An efficient algorithm based on dynamic programming for 3D shape recovery. Proceedings of SPIE, 2008, , .	0.8	0
27	Document cluster detection on latent projections. , 2009, , .		0
28	Image restoration with local adaptive methods. , 2010, , .		0