Ja Garca

List of Publications by Citations

104 papers	614 citations	13 h-index	18 g-index
111 ext. papers	704 ext. citations	3.5 avg, IF	3.98 L-index

#	Paper	IF	Citations
104	Information theoretic measure for visual target distinctness. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2001**, 23, 362-383	13.3	35
103	Mapping citation patterns of book chapters in the Book Citation Index. *Journal of Informetrics*, **2013**, 7, 412-424	3.1	29
102	The RGFF representational model: a system for the automatically learned partitioning of "visual patterns" in digital images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1999**, 21, 1044-1073	13.3	28
101	The selection of natural scales in 2D images using adaptive Gabor filtering. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1998**, 20, 458-469	13.3	26
100	A dynamic approach for clustering data. *Signal Processing*, **1995**, 44, 181-196	4.4	22
99	The author□editor game. *Scientometrics*, **2015**, 104, 361-380	3	20
98	Mapping academic institutions according to their journal publication profile: Spanish universities as a case study. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2328-2340		20
97	On first quartile journals which are not of highest impact. *Scientometrics*, **2012**, 90, 925-943	3	19
96	Rational systems exhibit moderate risk aversion with respect to □gambles□on variable-resolution compression. *Optical Engineering*, **2002**, 41, 2216	1.1	18
95	Using models of feature perception in distortion measure guidance. *Pattern Recognition Letters*, **1998**, 19, 77-88	4.7	15
94	Computing visual target distinctness through selective filtering, statistical features, and visual patterns. *Optical Engineering*, **2000**, 39, 267	1.1	15
93	Bias and effort in peer review. *Journal of the Association for Information Science and Technology*, **2015**, 66, 2020-2030	2.7	14
92	Ranking of the subject areas of Scopus. *Journal of the Association for Information Science and Technology*, **2011**, 62, 2013-2023		13
91	A multi-channel autofocusing scheme for gray-level shape scale detection. *Pattern Recognition*, **1997**, 30, 1769-1786	7.7	13
90	Representing planar curves by using a scale vector. *Pattern Recognition Letters*, **1994**, 15, 937-942	4.7	12
89	Boundary simplification in cartography preserving the characteristics of the shape features. *Computers and Geosciences*, **1994**, 20, 349-368	4.5	12
88	Confirmatory bias in peer review. *Scientometrics*, **2020**, 123, 517-533	3	10

87	Ranking of research output of universities on the basis of the multidimensional prestige of influential fields: Spanish universities as a case of study. *Scientometrics*, **2012**, 93, 1081-1099	3	10
86	The principal-agent problem in peer review. *Journal of the Association for Information Science and Technology*, **2015**, 66, 297-308	2.7	9
85	The role of integral features for perceiving image discriminability. *Pattern Recognition Letters*, **1997**, 18, 733-740	4.7	9
84	A method for invariant pattern recognition using the scale-vector representation of planar curves. *Signal Processing*, **1995**, 43, 39-53	4.4	9
83	Adverse selection of reviewers. *Journal of the Association for Information Science and Technology*, **2015**, 66, 1252-1262	2.7	8
82	Authors and reviewers who suffer from confirmatory bias. *Scientometrics*, **2016**, 109, 1377-1395	3	8
81	Characterizing planar outlines. *Pattern Recognition Letters*, **1993**, 14, 489-497	4.7	8
80	The author□eviewer game. *Scientometrics*, **2020**, 124, 2409-2431	3	8
79	Competition between academic journals for scholars□attention: the □Nature effect□n scholarly communication. *Scientometrics*, **2018**, 115, 1413-1432	3	7
78	Overall prestige of journals with ranking score above a given threshold. *Scientometrics*, **2011**, 89, 229-243	3	7
77	A new image distortion measure based on a data-driven multisensor organization. *Pattern Recognition*, **1998**, 31, 1099-1116	7.7	7
76	A scale-vector approach for edge detection. *Pattern Recognition Letters*, **1995**, 16, 637-646	4.7	7
75	An□isis de redes de las universidades espa□las de acuerdo a su perfil de publicaci□ en revistas por □eas cient□ficas. *Revista Espanola De Documentacion Cientifica*, **2013**, 36, e027	0.7	7
74	The Game Between a Biased Reviewer and His Editor. *Science and Engineering Ethics*, **2019**, 25, 265-283	3.1	7
73	Scientific subject categories of Web of Knowledge ranked according to their multidimensional prestige of influential journals. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1017-1029		6
72	Visual efficiency of image fusion methods. *International Journal of Image and Data Fusion*, **2012**, 3, 39-69	1.8	6
71	A new edge detector integrating scale-spectrum information. *Image and Vision Computing*, **1997**, 15, 913-923	3.7	6
70	Dynamics of low-cost transmission on the optimal path. *Optical Engineering*, **2007**, 46, 030503	1.1	6

69	Emergence of a region-based approach to image transmission. *Optical Engineering*, **2005**, 44, 067004	1.1	6
68	Progressive Image Transmission: The Role of Rationality, Cooperation, and Justice **2004**,		6
67	Why the referees' reports I receive as an editor are so much better than the reports I receive as an author?. *Scientometrics*, **2016**, 106, 967-986	3	5
66	Image inpainting with nonsubsampled contourlet transform. *Pattern Recognition Letters*, **2013**, 34, 1508-1518	4.7	5
65	Benchmarking research performance at the university level with information theoretic measures. *Scientometrics*, **2013**, 95, 435-452	3	5
64	Axiomatic approach to computational attention. *Pattern Recognition*, **2010**, 43, 1618-1630	7.7	5
63	The novel scale-spectrum space for representing gray-level shape. *Pattern Recognition*, **1997**, 30, 367-382	7.7	5
62	Embedded coder for providing better image quality at very low bit rates. *Optical Engineering*, **2004**, 43, 615	1.1	5
61	Minimum error gain for predicting visual target distinctness. *Optical Engineering*, **2001**, 40, 1794	1.1	5
60	Defining the notion of visual pattern for predicting visual target distinctness in a complex rural background. *Optical Engineering*, **2000**, 39, 415	1.1	5
59	A new methodology to solve the problem of characterizing 2-D biomedical shapes. *Computer Methods and Programs in Biomedicine*, **1995**, 46, 187-205	6.9	5
58	Evolutionary games between authors and their editors. *Applied Mathematics and Computation*, **2016**, 273, 645-655	2.7	4
57	The optimal amount of information to provide in an academic manuscript. *Scientometrics*, **2019**, 121, 1685-1705	3	4
56	The selection of high-quality manuscripts. *Scientometrics*, **2014**, 98, 299-313	3	4
55	A comparison of top economics departments in the US and EU on the basis of the multidimensional prestige of influential articles in 2010. *Scientometrics*, **2012**, 93, 681-698	3	4
54	A perceptual measure to predict the visual distinction between two color images. *Pattern Recognition Letters*, **1998**, 19, 1137-1152	4.7	4
53	Optimal exploratory effort to build knowledge for video transmission. *Optical Engineering*, **2007**, 46, 047401	1.1	4
52	Performance of the Kullback-Leibler information gain for predicting image fidelity		4

51	An evolutionary explanation of assassins and zealots in peer review. *Scientometrics*, **2019**, 120, 1373-1385	3	3
50	Information visibility using transmission methods. *Pattern Recognition Letters*, **2010**, 31, 609-618	4.7	3
49	AN EVALUATION OF THE NOVEL "NORMALIZED-REDUNDANCY" REPRESENTATION FOR PLANAR CURVES. *International Journal of Pattern Recognition and Artificial Intelligence*, **1996**, 10, 769-789	1.1	3
48	Scale selection using three different representations for images. *Pattern Recognition Letters*, **1997**, 18, 1453-1467	4.7	3
47	THE RGF PANDEMONIUM: A LOW-LEVEL REPRESENTATIONAL MODEL FOR IMAGES. *Pattern Recognition*, **1998**, 31, 1797-1810	7.7	3
46	The relationship between information prioritization and visual distinctness in two progressive image transmission schemes. *Pattern Recognition*, **2004**, 37, 281-297	7.7	3
45	Origins of illusory percepts in digital images. *Pattern Recognition*, **2000**, 33, 2007-2017	7.7	3
44	An autoregressive curvature model for describing cartographic boundaries. *Computers and Geosciences*, **1995**, 21, 397-408	4.5	3
43	A Spatio-temporal Filtering Approach to Motion Segmentation. *Lecture Notes in Computer Science*, **2003**, 193-203	0.9	3
42	Can a paid model for peer review be sustainable when the author can decide whether to pay or not?. *Scientometrics*, **2022**, 127, 1491-1514	3	3
41	Social impact of scholarly articles in a citation network. *Journal of the Association for Information Science and Technology*, **2015**, 66, 117-127	2.7	2
40	STRATEGY: a tool for the formulation of peer-review strategies. *Scientometrics*, **2017**, 113, 45-60	3	2
39	From computational attention to image fusion. *Pattern Recognition Letters*, **2011**, 32, 1778-1795	4.7	2
38	Steady growth of encoding efficiency in progressive transmission. *Optical Engineering*, **2008**, 47, 047001	1.1	2
37	Theory of bit allocation analysis. *Optical Engineering*, **2006**, 45, 127401	1.1	2
36	Bit-saving path for progressive transmission. *Optical Engineering*, **2007**, 46, 117001	1.1	2
35	On the concept of best achievable compression ratio for lossy image coding. *Pattern Recognition*, **2003**, 36, 2377-2394	7.7	2
34	CORAL: collective rationality for the allocation of bits. *Optical Engineering*, **2003**, 42, 1000	1.1	2

33	Self-control of quantizer risk attitude in rational embedded wavelet image coding. *Optical Engineering*, **2003**, 42, 3215	1.1	2
32	Integral opponent-colors features for computing visual target distinctness. *Pattern Recognition*, **2000**, 33, 1179-1198	7.7	2
31	How to define the notion of microcalcifications in digitized mammograms		2
30	Simplifying cartographic boundaries by using a normalized measure of ambiguity. *Computers and Geosciences*, **1996**, 22, 607-623	4.5	2
29	Automatic characterization of spiral and elliptical galaxies from digital images. *Pattern Recognition Letters*, **1994**, 15, 861-869	4.7	2
28	The authors ignorance on the publication fees is a source of power for publishers. *Scientometrics*, **2019**, 121, 1435-1445	3	1
27	Problems with open participation in peer review. *Scientometrics*, **2017**, 112, 1881-1885	3	1
26	Best-in-class and strategic benchmarking of scientific subject categories of Web of Science in 2010. *Scientometrics*, **2014**, 99, 615-630	3	1
25	Comparative visibility analysis of advertisement images. *Signal Processing: Image Communication*, **2011**, 26, 589-611	2.8	1
24	A critical examination of the assumptions used in dynamic allocation. *Journal of Visual Communication and Image Representation*, **2009**, 20, 351-363	2.7	1
23	Very low bit rate video coding of moving targets. *Optical Engineering*, **2006**, 45, 037401	1.1	1
22	Emergence of region-based transmission when computation is unconstrained. *Journal of Visual Communication and Image Representation*, **2006**, 17, 1024-1039	2.7	1
21	A frequency-domain approach for the extraction of motion patterns		1
20	Justice in quantizer formation for rational progressive transmission. *Optical Engineering*, **2004**, 43, 2105	1.1	1
19	Defining a target distinctness measure through a single-channel computational model of vision. *Pattern Recognition Letters*, **2003**, 24, 1133-1142	4.7	1
18	Rate control optimization in embedded wavelet coding. *Pattern Recognition Letters*, **2003**, 24, 1469-1487	4.7	1
17	Power of a wavelet coefficient in progressive image transmission. *Optical Engineering*, **2005**, 44, 087004	1.1	1
16	Image representational model for predicting visual distinctness of objects		1

15	Do the best papers have the highest probability of being cited?. *Scientometrics*, **2019**, 118, 885-890	3	1
14	Quality censoring in peer review. *Scientometrics*, **2021**, 126, 825-830	3	1
13	The editor-manuscript game. *Scientometrics*, **2021**, 126, 4277-4295	3	1
12	Evolutionary games between subject categories. *Scientometrics*, **2014**, 101, 869-888	3	0
11	A web application for aggregating conflicting reviewers preferences. *Scientometrics*, **2014**, 99, 523-539	3	0
10	The interplay between the reviewers incentives and the journals quality standard. *Scientometrics*, **2021**, 126, 3041-3061	3	0
9	Editorial decisions with informed and uninformed reviewers. *Scientometrics*, **2018**, 117, 25-43	3	
8	How the same organizational structures can arise across seemingly unrelated domains of human activities: the example of academic publishing and stock market. *Scientometrics*, **2014**, 99, 447-461	3	
7	Analysis of coding risks in progressive transmission. *Signal Processing: Image Communication*, **2012**, 27, 39-53	2.8	
6	Sustainable image transmission. *Journal of Visual Communication and Image Representation*, **2012**, 23, 134-142	2.7	
5	Relevance of knowledge from bit-saving in progressive transmission. *Journal of Visual Communication and Image Representation*, **2010**, 21, 741-750	2.7	
4	A Normalized Redundancy representation for 2D digital images. *Pattern Recognition Letters*, **1998**, 19, 1103-1110	4.7	
3	Automatic and optimal hierarchical quantizer decomposition to build knowledge for video transmission. *Optical Engineering*, **2007**, 46, 107402	1.1	
2	Coder selection for lossy compression of still images. *Pattern Recognition*, **2002**, 35, 2489-2509	7.7	
1	Best Achievable Compression Ratio for Lossy Image Coding. *Lecture Notes in Computer Science*, **2003**, 263-270	0.9	