Ja GarcÃ-a

List of Publications by Year
in descending order

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110	803	566801	713013
papers	citations	15 h-index	21 g-index

111	111	111	413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Information theoretic measure for visual target distinctness. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 362-383.	9.7	42
2	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.	9.7	33
3	The selection of natural scales in 2D images using adaptive Gabor filtering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 458-469.	9.7	32
4	Mapping citation patterns of book chapters in the Book Citation Index. Journal of Informetrics, 2013, 7, 412-424.	1.4	31
5	On first quartile journals which are not of highest impact. Scientometrics, 2012, 90, 925-943.	1.6	30
6	A dynamic approach for clustering data. Signal Processing, 1995, 44, 181-196.	2.1	29
7	The authorâ€“editor game. Scientometrics, 2015, 104, 361-380.	1.6	27
8	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.	2.6	22
9	Ranking of the subject areas of Scopus. Journal of the Association for Information Science and Technology, 2011, 62, 2013-2023.	2.6	20
10	Rational systems exhibit moderate risk aversion with respect to â€œgamblesâ€•on variable-resolution compression. Optical Engineering, 2002, 41, 2216.	0.5	19
11	A multi-channel autofocusing scheme for gray-level shape scale detection. Pattern Recognition, 1997, 30, 1769-1786.	5.1	17
12	Using models of feature perception in distortion measure guidance. Pattern Recognition Letters, 1998, 19, 77-88.	2.6	17
13	Boundary simplification in cartography preserving the characteristics of the shape features. Computers and Geosciences, 1994, 20, 349-368.	2.0	16
14	Computing visual target distinctness through selective filtering, statistical features, and visual patterns. Optical Engineering, 2000, 39, 267.	0.5	16
15	Confirmatory bias in peer review. Scientometrics, 2020, 123, 517-533.	1.6	16
16	The principalâ€agent problem in peer review. Journal of the Association for Information Science and Technology, 2015, 66, 297-308.	1.5	15
17	Bias and effort in peer review. Journal of the Association for Information Science and Technology, 2015, 66, 2020-2030.	1.5	14
18	The authorâ€“reviewer game. Scientometrics, 2020, 124, 2409-2431.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Representing planar curves by using a scale vector. Pattern Recognition Letters, 1994, 15, 937-942.	2.6	13
20	A method for invariant pattern recognition using the scale-vector representation of planar curves. Signal Processing, 1995, 43, 39-53.	2.1	11
21	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.	1.6	11
22	Authors and reviewers who suffer from confirmatory bias. Scientometrics, 2016, 109, 1377-1395.	1.6	11
23	Competition between academic journals for scholarsâ€™ attention: the â€˜Nature effectâ€™ in scholarly communication. Scientometrics, 2018, 115, 1413-1432.	1.6	11
24	The Game Between a Biased Reviewer and His Editor. Science and Engineering Ethics, 2019, 25, 265-283.	1.7	11
25	The role of integral features for perceiving image discriminability. Pattern Recognition Letters, 1997, 18, 733-740.	2.6	10
26	Adverse selection of reviewers. Journal of the Association for Information Science and Technology, 2015, 66, 1252-1262.	1.5	10
27	Can a paid model for peer review be sustainable when the author can decide whether to pay or not?. Scientometrics, 2022, 127, 1491-1514.	1.6	10
28	Characterizing planar outlines. Pattern Recognition Letters, 1993, 14, 489-497.	2.6	9
29	A new image distortion measure based on a data-driven multisensor organization. Pattern Recognition, 1998, 31, 1099-1116.	5.1	9
30	Overall prestige of journals with ranking score above a given threshold. Scientometrics, 2011, 89, 229-243.	1.6	9
31	Progressive Image Transmission: The Role of Rationality, Cooperation, and Justice. , 2004, , .		9
32	AnÃ¡lisis de redes de las universidades espaÃ±olas de acuerdo a su perfil de publicaciÃ³n en revistas por Ã¡reas cientÃficas. Revista Espanola De Documentacion Cientifica, 2013, 36, e027.	0.1	9
33	A scale-vector approach for edge detection. Pattern Recognition Letters, 1995, 16, 637-646.	2.6	8
34	A new edge detector integrating scale-spectrum information. Image and Vision Computing, 1997, 15, 913-923.	2.7	7
35	The novel scale-spectrum space for representing gray-level shape. Pattern Recognition, 1997, 30, 367-382.	5.1	7
36	Minimum error gain for predicting visual target distinctness. Optical Engineering, 2001, 40, 1794.	0.5	7

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37	Performance of the Kullback-Leibler information gain for predicting image fidelity. , 0, , .		7
38	Emergence of a region-based approach to image transmission. Optical Engineering, 2005, 44, 067004.	0.5	7
39	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.	1.6	7
40	Image inpainting with nonsubsampled contourlet transform. Pattern Recognition Letters, 2013, 34, 1508-1518.	2.6	7
41	Why the refereesâ€™ reports I receive as an editor are so much better than the reports I receive as an author?. Scientometrics, 2016, 106, 967-986.	1.6	7
42	The interplay between the reviewerâ€™s incentives and the journalâ€™s quality standard. Scientometrics, 2021, 126, 3041-3061.	1.6	7
43	A frequency-domain approach for the extraction of motion patterns. , 0, , .		6
44	Embedded coder for providing better image quality at very low bit rates. Optical Engineering, 2004, 43, 615.	0.5	6
45	Dynamics of low-cost transmission on the optimal path. Optical Engineering, 2007, 46, 030503.	0.5	6
46	Axiomatic approach to computational attention. Pattern Recognition, 2010, 43, 1618-1630.	5.1	6
47	Visual efficiency of image fusion methods. International Journal of Image and Data Fusion, 2012, 3, 39-69.	0.8	6
48	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.	2.6	6
49	Benchmarking research performance at the university level with information theoretic measures. Scientometrics, 2013, 95, 435-452.	1.6	6
50	A new methodology to solve the problem of characterizing 2-D biomedical shapes. Computer Methods and Programs in Biomedicine, 1995, 46, 187-205.	2.6	5
51	AN EVALUATION OF THE NOVEL "NORMALIZED-REDUNDANCY" REPRESENTATION FOR PLANAR CURVES. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 769-789.	0.7	5
52	A perceptual measure to predict the visual distinction between two color images. Pattern Recognition Letters, 1998, 19, 1137-1152.	2.6	5
53	Origins of illusory percepts in digital images. Pattern Recognition, 2000, 33, 2007-2017.	5.1	5
54	Defining the notion of visual pattern for predicting visual target distinctness in a complex rural background. Optical Engineering, 2000, 39, 415.	0.5	5

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55	Evolutionary games between authors and their editors. Applied Mathematics and Computation, 2016, 273, 645-655.	1.4	5
56	The optimal amount of information to provide in an academic manuscript. Scientometrics, 2019, 121, 1685-1705.	1.6	5
57	Do the best papers have the highest probability of being cited?. Scientometrics, 2019, 118, 885-890.	1.6	5
58	Scale selection using three different representations for images. Pattern Recognition Letters, 1997, 18, 1453-1467.	2.6	4
59	On the concept of best achievable compression ratio for lossy image coding. Pattern Recognition, 2003, 36, 2377-2394.	5.1	4
60	Optimal exploratory effort to build knowledge for video transmission. Optical Engineering, 2007, 46, 047401.	0.5	4
61	The selection of high-quality manuscripts. Scientometrics, 2014, 98, 299-313.	1.6	4
62	An evolutionary explanation of assassins and zealots in peer review. Scientometrics, 2019, 120, 1373-1385.	1.6	4
63	The editor-manuscript game. Scientometrics, 2021, 126, 4277-4295.	1.6	4
64	An autoregressive curvature model for describing cartographic boundaries. Computers and Geosciences, 1995, 21, 397-408.	2.0	3
65	Simplifying cartographic boundaries by using a normalized measure of ambiguity. Computers and Geosciences, 1996, 22, 607-623.	2.0	3
66	THE RGF PANDEMONIUM: A LOW-LEVEL REPRESENTATIONAL MODEL FOR IMAGES. Pattern Recognition, 1998, 31, 1797-1810.	5.1	3
67	How to define the notion of microcalcifications in digitized mammograms. , 0, , .		3
68	Self-control of quantizer risk attitude in rational embedded wavelet image coding. Optical Engineering, 2003, 42, 3215.	0.5	3
69	The relationship between information prioritization and visual distinctness in two progressive image transmission schemes. Pattern Recognition, 2004, 37, 281-297.	5.1	3
70	Information visibility using transmission methods. Pattern Recognition Letters, 2010, 31, 609-618.	2.6	3
71	From computational attention to image fusion. Pattern Recognition Letters, 2011, 32, 1778-1795.	2.6	3
72	Social impact of scholarly articles in a citation network. Journal of the Association for Information Science and Technology, 2015, 66, 117-127.	1.5	3

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73	STRATEGY: a tool for the formulation of peer-review strategies. Scientometrics, 2017, 113, 45-60.	1.6	3
74	A Spatio-temporal Filtering Approach to Motion Segmentation. Lecture Notes in Computer Science, 2003, , 193-203.	1.0	3
75	Best Achievable Compression Ratio for Lossy Image Coding. Lecture Notes in Computer Science, 2003, , 263-270.	1.0	3
76	Automatic characterization of spiral and elliptical galaxies from digital images. Pattern Recognition Letters, 1994, 15, 861-869.	2.6	2
77	Integral opponent-colors features for computing visual target distinctness. Pattern Recognition, 2000, 33, 1179-1198.	5.1	2
78	CORAL: collective rationality for the allocation of bits. Optical Engineering, 2003, 42, 1000.	0.5	2
79	Optical flow estimation based on the extraction of motion patterns. , 0, , .		2
80	Justice in quantizer formation for rational progressive transmission. Optical Engineering, 2004, 43, 2105.	0.5	2
81	Theory of bit allocation analysis. Optical Engineering, 2006, 45, 127401.	0.5	2
82	Bit-saving path for progressive transmission. Optical Engineering, 2007, 46, 117001.	0.5	2
83	Steady growth of encoding efficiency in progressive transmission. Optical Engineering, 2008, 47, 047001.	0.5	2
84	Evolutionary games between subject categories. Scientometrics, 2014, 101, 869-888.	1.6	2
85	Editorial decisions with informed and uninformed reviewers. Scientometrics, 2018, 117, 25-43.	1.6	2
86	A multi-channel-based approach for extracting significant scales on gray-level images. , 1996, , .		1
87	Image representational model for predicting visual distinctness of objects. , 0, , .		1
88	Defining a target distinctness measure through a single-channel computational model of vision. Pattern Recognition Letters, 2003, 24, 1133-1142.	2.6	1
89	Rate control optimization in embedded wavelet coding. Pattern Recognition Letters, 2003, 24, 1469-1487.	2.6	1
90	Power of a wavelet coefficient in progressive image transmission. Optical Engineering, 2005, 44, 087004.	0.5	1

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91	Emergence of region-based transmission when computation is unconstrained. Journal of Visual Communication and Image Representation, 2006, 17, 1024-1039.	1.7	1
92	Very low bit rate video coding of moving targets. Optical Engineering, 2006, 45, 037401.	0.5	1
93	A critical examination of the assumptions used in dynamic allocation. Journal of Visual Communication and Image Representation, 2009, 20, 351-363.	1.7	1
94	Using graphics: motivating students in a C++ programming introductory course. , 2009, , .		1
95	Comparative visibility analysis of advertisement images. Signal Processing: Image Communication, 2011, 26, 589-611.	1.8	1
96	Best-in-class and strategic benchmarking of scientific subject categories of Web of Science in 2010. Scientometrics, 2014, 99, 615-630.	1.6	1
97	A web application for aggregating conflicting reviewersâ€™ preferences. Scientometrics, 2014, 99, 523-539.	1.6	1
98	Problems with open participation in peer review. Scientometrics, 2017, 112, 1881-1885.	1.6	1
99	The authorâ€™s ignorance on the publication fees is a source of power for publishers. Scientometrics, 2019, 121, 1435-1445.	1.6	1
100	Quality censoring in peer review. Scientometrics, 2021, 126, 825-830.	1.6	1
101	Benefits of Cooperative Peer Review. SSRN Electronic Journal, 0, , .	0.4	1
102	A Normalized Redundancy representation for 2D digital images. Pattern Recognition Letters, 1998, 19, 1103-1110.	2.6	0
103	Representing 2D digital images through a normalized measure of redundancy. , 0, , .		0
104	Optimized rate control in embedded wavelet coding. , 0, , .		0
105	Coder selection for lossy compression of still images. Pattern Recognition, 2002, 35, 2489-2509.	5.1	0
106	Automatic and optimal hierarchical quantizer decomposition to build knowledge for video transmission. Optical Engineering, 2007, 46, 107402.	0.5	0
107	Relevance of knowledge from bit-saving in progressive transmission. Journal of Visual Communication and Image Representation, 2010, 21, 741-750.	1.7	0
108	Analysis of coding risks in progressive transmission. Signal Processing: Image Communication, 2012, 27, 39-53.	1.8	0

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109	Sustainable image transmission. Journal of Visual Communication and Image Representation, 2012, 23, 134-142.	1.7	0
110	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.	1.6	0