

Ernesto Bribiesca

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

968
citations

643344

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511568

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52
all docs

52
docs citations

52
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	A Measure of Tortuosity for Enclosing Surfaces of Voxel-Based Objects. SN Computer Science, 2021, 2, 1.	2.3	1
2	A novel voxel-based method to estimate cortical sulci width and its application to compare patients with Alzheimer's disease to controls. NeuroImage, 2020, 207, 116343.	2.1	5
3	Detection of rotational symmetry in curves represented by the slope chain code. Pattern Recognition, 2020, 107, 107421.	5.1	6
4	An Approach to the Computation of the Euler Number by means of the Vertex Chain Code. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-13.	0.7	0
5	Slope-chain-code-based characterization of Trypanosoma cruzi in blood smear images. , 2020, , .		0
6	3D Tortuosity: a Morphological Characterization of the Central Sulcus to Differentiate Patients with Alzheimer's Disease and Controls. , 2020, , .		0
7	The spirals of the Slope Chain Code. Pattern Recognition, 2019, 95, 247-260.	5.1	1
8	A chain code for representing high definition contour shapes. Journal of Visual Communication and Image Representation, 2019, 61, 93-104.	1.7	0
9	Mirror symmetry detection in curves represented by means of the Slope Chain Code. Pattern Recognition, 2019, 87, 67-79.	5.1	10
10	Chain coding representation of voxel-based objects with enclosing, edging and intersecting trees. Pattern Analysis and Applications, 2017, 20, 825-844.	3.1	4
11	P300 Detection Based on EEG Shape Features. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-14.	0.7	24
12	Neuromorphometry of primary brain tumors by magnetic resonance imaging. Journal of Medical Imaging, 2015, 2, 024503.	0.8	3
13	Compression of three-dimensional surfaces by means of chain coding. Optical Engineering, 2015, 54, 124102.	0.5	1
14	Surface trees " Representation of boundary surfaces using a tree descriptor. Journal of Visual Communication and Image Representation, 2015, 31, 101-111.	1.7	2
15	Symmetry detection in 3D chain coded discrete curves and trees. Pattern Recognition, 2015, 48, 1420-1439.	5.1	5
16	Description and classification of normal and pathological aging processes based on brain magnetic resonance imaging morphology measures. Journal of Medical Imaging, 2014, 1, 034002.	0.8	8
17	Representation of enclosing surfaces from simple voxelized objects by means of a chain code. Pattern Recognition, 2014, 47, 1721-1730.	5.1	12
18	2D tree object representation via the slope chain code. Pattern Recognition, 2014, 47, 3242-3253.	5.1	4

#	ARTICLE	IF	CITATIONS
19	A measure of tortuosity based on chain coding. Pattern Recognition, 2013, 46, 716-724.	5.1	49
20	The Euler-Poincaré Formula Through Contact Surfaces of Voxelized Objects. Journal of Applied Research and Technology, 2013, 11, 65-78.	0.6	7
21	An Algorithm for Generating a Family of Alternating Knots. ISRN Algebra, 2012, 2012, 1-12.	0.4	0
22	Enclosing trees. Pattern Analysis and Applications, 2012, 15, 1-17.	3.1	4
23	Computation of the Euler number using the contact perimeter. Computers and Mathematics With Applications, 2010, 60, 1364-1373.	1.4	19
24	Valence Normalized Spatial Median for skeletonization and matching. , 2009, , .		9
25	Polygonal Approximation of Contour Shapes Using Corner Detectors. Journal of Applied Research and Technology, 2009, 7, .	0.6	7
26	An easy measure of compactness for 2D and 3D shapes. Pattern Recognition, 2008, 41, 543-554.	5.1	105
27	A method for representing 3D tree objects using chain coding. Journal of Visual Communication and Image Representation, 2008, 19, 184-198.	1.7	19
28	Three-dimensional tree-object representation by means of a binary descriptor. Optical Engineering, 2008, 47, 127002.	0.5	2
29	Study of compression efficiency for three-dimensional discrete curves. Optical Engineering, 2008, 47, 077206.	0.5	3
30	Efficiency of chain codes to represent binary objects. Pattern Recognition, 2007, 40, 1660-1674.	5.1	53
31	Detection of a polymorphic Mesoamerican symbol using a rule-based approach. Pattern Recognition, 2006, 39, 1380-1390.	5.1	8
32	AN EASY AND FAST ALGORITHM FOR OBTAINING MINIMAL DISCRETE KNOTS. Journal of Knot Theory and Its Ramifications, 2006, 15, 613-629.	0.1	1
33	Recognition of a polymorphic archeological symbol using a rule-based technique. , 2005, , .		0
34	A METHOD FOR COMPUTING FAMILIES OF DISCRETE KNOTS USING KNOT NUMBERS. Journal of Knot Theory and Its Ramifications, 2005, 14, 405-424.	0.1	3
35	3D-curve representation by means of a binary chain code. Mathematical and Computer Modelling, 2004, 40, 285-295.	2.0	11
36	Scanning-curves representation for the coverage of surfaces using chain coding. Computers and Graphics, 2003, 27, 123-132.	1.4	4

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37	A method of optimum transformation of 3D objects used as a measure of shape dissimilarity. <i>Image and Vision Computing</i> , 2003, 21, 1027-1036.	2.7	28
38	DISCRETE KNOTS. <i>Journal of Knot Theory and Its Ramifications</i> , 2002, 11, 1307-1321.	0.1	3
39	A formal language approach for a 3D curve representation. <i>Computers and Mathematics With Applications</i> , 2001, 42, 1571-1584.	1.4	12
40	A measure of compactness for 3D shapes. <i>Computers and Mathematics With Applications</i> , 2000, 40, 1275-1284.	1.4	51
41	A chain code for representing 3D curves. <i>Pattern Recognition</i> , 2000, 33, 755-765.	5.1	83
42	A new chain code. <i>Pattern Recognition</i> , 1999, 32, 235-251.	5.1	141
43	Digital Elevation Model Data Analysis Using the Contact Surface Area. <i>Graphical Models</i> , 1998, 60, 166-172.	1.4	3
44	A measure of 2D shape-of-object dissimilarity. <i>Applied Mathematics Letters</i> , 1997, 10, 107-115.	1.5	16
45	Measuring 2-D shape compactness using the contact perimeter. <i>Computers and Mathematics With Applications</i> , 1997, 33, 1-9.	1.4	116
46	Measuring 3-D shape similarity using progressive transformations. <i>Pattern Recognition</i> , 1996, 29, 1117-1129.	5.1	4
47	Definite-clause grammars for 2D shape analysis. <i>Computers and Mathematics With Applications</i> , 1995, 30, 95-103.	1.4	2
48	A Geometric structure for two-dimensional shapes and three-dimensional surfaces. <i>Pattern Recognition</i> , 1992, 25, 483-496.	5.1	32
49	Arithmetic operations among shapes using shape numbers. <i>Pattern Recognition</i> , 1981, 13, 123-137.	5.1	18
50	How to describe pure form and how to measure differences in shapes using shape numbers. <i>Pattern Recognition</i> , 1980, 12, 101-112.	5.1	66
51	Geographic data bank. <i>Computer Graphics</i> , 1976, 10, 2-4.	0.1	1
52	A contour-oriented approach to shape analysis via the slope chain code. <i>International Journal of Contemporary Mathematical Sciences</i> , 0, 11, 65-84.	0.3	2