Javier Ruiz-Del-Solar

List of Publications by Year
in descending order

180 papers	2,359 citations	279798 23 h-index	302126 39 g-index
190 all docs	190 docs citations	190 times ranked	1988 citing authors

#	Article	IF	Citations
1	Haptic Teleoperation of Impact Hammers in Underground Mining. Applied Sciences (Switzerland), 2022, 12, 1428.	2.5	12
2	Special Issue on Emerging Topics on Development and Learning. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 255-257.	3.8	1
3	Monitoring and Controlling Saturation Zones in Heap Leach Piles Using Thermal Analysis. Minerals (Basel, Switzerland), 2021, 11, 115.	2.0	3
4	Mental and Emotional Health Care for COVID-19 Patients: Employing Pudu, a Telepresence Robot. IEEE Robotics and Automation Magazine, 2021, 28, 82-89.	2.0	16
5	Topological Navigation and Localization in Tunnelsâ€"Application to Autonomous Load-Haul-Dump Vehicles Operating in Underground Mines. Applied Sciences (Switzerland), 2021, 11, 6547.	2.5	12
6	Integrated mineralogical and geochemical study of the Rapel fluvial system, central Chile: An application of multidimensional analysis to river sedimentation. Journal of South American Earth Sciences, 2021, 109, 103289.	1.4	4
7	Autonomous Loading System for Load-Haul-Dump (LHD) Machines Used in Underground Mining. Applied Sciences (Switzerland), 2021, 11, 8718.	2.5	9
8	Deep learning applied to humanoid soccer robotics: playing without using any color information. Autonomous Robots, 2021, 45, 335-350.	4.8	2
9	Robust RL-Based Map-Less Local Planning: Using 2D Point Clouds as Observations. IEEE Robotics and Automation Letters, 2020, 5, 5787-5794.	5.1	22
10	Closing the Simulation-to-Reality Gap using Generative Neural Networks: Training Object Detectors for Soccer Robotics in Simulation as a Case Study. , 2020, , .		7
11	Interactive Learning of Temporal Features for Control: Shaping Policies and State Representations From Human Feedback. IEEE Robotics and Automation Magazine, 2020, 27, 46-54.	2.0	6
12	Interactive Learning with Corrective Feedback for Policies Based on Deep Neural Networks. Springer Proceedings in Advanced Robotics, 2020, , 353-363.	1.3	2
13	A fast hybrid reinforcement learning framework with human corrective feedback. Autonomous Robots, 2019, 43, 1173-1186.	4.8	13
14	A Delay-Free and Robust Object Tracking Approach for Robotics Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 95, 99-117.	3.4	4
15	An Interactive Framework for Learning Continuous Actions Policies Based on Corrective Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 95, 77-97.	3.4	23
16	Accelerating decentralized reinforcement learning of complex individual behaviors. Engineering Applications of Artificial Intelligence, 2019, 85, 243-253.	8.1	3
17	Continuous Control for High-Dimensional State Spaces: An Interactive Learning Approach. , 2019, , .		8
18	Reinforcement learning of motor skills using Policy Search and human corrective advice. International Journal of Robotics Research, 2019, 38, 1560-1580.	8.5	15

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19	Virtual Reality-Based Time-Delayed Haptic Teleoperation Using Point Cloud Data. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 96, 387-400.	3.4	15
20	Are Cursorial Birds Good Kinematic Models of Non-Avian Theropods?. International Journal of Morphology, 2019, 37, 620-625.	0.2	0
21	Continuous perception for deformable objects understanding. Robotics and Autonomous Systems, 2019, 118, 220-230.	5.1	10
22	Playing Soccer Without Colors in the SPL: A Convolutional Neural Network Approach. Lecture Notes in Computer Science, 2019, , 122-134.	1.3	7
23	Near Real-Time Object Recognition for Pepper Based on Deep Neural Networks Running on a Backpack. Lecture Notes in Computer Science, 2019, , 287-298.	1.3	4
24	Collision Avoidance for Indoor Service Robots Through Multimodal Deep Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 140-153.	1.3	8
25	Visual SLAM-Based Localization and Navigation for Service Robots: The Pepper Case. Lecture Notes in Computer Science, 2019, , 32-44.	1.3	4
26	YoloSPoC: Recognition of Multiple Object Instances by Using Yolo-Based Proposals and Deep SPoC-Based Descriptors. Lecture Notes in Computer Science, 2019, , 154-165.	1.3	1
27	A Bayesian based Methodology for Indirect Object Search. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 45-63.	3.4	11
28	Decentralized Reinforcement Learning of Robot Behaviors. Artificial Intelligence, 2018, 256, 130-159.	5.8	41
29	Topological Semantic Mapping and Localization in Urban Road Scenarios. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 92, 19-32.	3.4	19
30	Visual Navigation for Biped Humanoid Robots Using Deep Reinforcement Learning. IEEE Robotics and Automation Letters, 2018, 3, 3247-3254.	5.1	57
31	Using Convolutional Neural Networks in Robots with Limited Computational Resources: Detecting NAO Robots While Playing Soccer. Lecture Notes in Computer Science, 2018, , 19-30.	1.3	13
32	The NAO Backpack: An Open-Hardware Add-on for Fast Software Development with the NAO Robot. Lecture Notes in Computer Science, 2018, , 302-311.	1.3	5
33	Recognition of Grasp Points for Clothes Manipulation Under Unconstrained Conditions. Lecture Notes in Computer Science, 2018, , 350-362.	1.3	2
34	Interactive Machine Learning Applied to Dribble a Ball in Soccer with Biped Robots. Lecture Notes in Computer Science, 2018, , 363-375.	1.3	1
35	An enhanced representation of thermal faces for improving local appearance-based face recognition. Intelligent Automation and Soft Computing, 2017, 23, 1-12.	2.1	13
36	Chilean underground mine dataset. International Journal of Robotics Research, 2017, 36, 16-23.	8.5	23

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37	Robotics research in Chile. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668269.	2.1	1
38	EMG Signal Filtering Based on Independent Component Analysis and Empirical Mode Decomposition for Estimation of Motor Activation Patterns. Journal of Medical and Biological Engineering, 2017, 37, 140-155.	1.8	17
39	Robust Tracking of Soccer Robots Using Random Finite Sets. IEEE Intelligent Systems, 2017, 32, 22-29.	4.0	7
40	Robust Tracking of Multiple Soccer Robots Using Random Finite Sets. Lecture Notes in Computer Science, 2017, , 206-217.	1.3	1
41	Teaching agents with corrective human feedback for challenging problems. , 2016, , .		3
42	Multi-objective optimization for parameter selection and characterization of optical flow methods. Applied Soft Computing Journal, 2016, 46, 1067-1078.	7.2	2
43	Object recognition using local invariant features for robotic applications: A survey. Pattern Recognition, 2016, 60, 499-514.	8.1	85
44	A realistic virtual environment for evaluating face analysis systems under dynamic conditions. Pattern Recognition, 2016, 52, 160-173.	8.1	3
45	Semantic Mapping of Large-Scale Outdoor Scenes for Autonomous Off-Road Driving. , 2015, , .		12
46	Object Detection: Current and Future Directions. Frontiers in Robotics and AI, 2015, 2, .	3.2	37
47	A Kalman-filtering-based Approach for Improving Terrain Mapping in off-road Autonomous Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 577-591.	3.4	10
48	COACH: Learning continuous actions from COrrective Advice Communicated by Humans. , 2015, , .		11
49	Advanced Robotics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 77, 3-4.	3.4	1
50	Fall Detection and Damage Reduction in Biped Humanoid Robots. International Journal of Humanoid Robotics, 2015, 12, 1550001.	1.1	6
51	RoboCup@Home: Analysis and results of evolving competitions for domestic and service robots. Artificial Intelligence, 2015, 229, 258-281.	5.8	67
52	Object Recognition for Manipulation Tasks in Real Domestic Settings: A Comparative Study. Lecture Notes in Computer Science, 2015, , 207-219.	1.3	6
53	Ball Dribbling for Humanoid Biped Robots: A Reinforcement Learning and Fuzzy Control Approach. Lecture Notes in Computer Science, 2015, , 549-561.	1.3	12
54	Interactive Learning of Continuous Actions from Corrective Advice Communicated by Humans. Lecture Notes in Computer Science, 2015, , 16-27.	1.3	7

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55	An Episodic Long-Term Memory for Robots: The Bender Case. Lecture Notes in Computer Science, 2015, , 264-275.	1.3	6
56	A Study of Layered Learning Strategies Applied to Individual Behaviors in Robot Soccer. Lecture Notes in Computer Science, 2015, , 290-302.	1.3	11
57	A Dynamic and Efficient Active Vision System for Humanoid Soccer Robots. Lecture Notes in Computer Science, 2015, , 316-327.	1.3	3
58	On RoboCup@Home â€“ Past, Present and Future of a Scientific Competition for Service Robots. Lecture Notes in Computer Science, 2015, , 686-697.	1.3	1
59	Guest Editorial Behavior Understanding and Developmental Robotics. IEEE Transactions on Autonomous Mental Development, 2014, 6, 77-79.	1.6	3
60	Circular Regression Based on Gaussian Processes. , 2014, , .		1
61	Advances in Domestic Service Robots in the Real World. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 3-4.	3.4	5
62	A Novel Methodology for Assessing the Fall Risk Using Low-Cost and Off-the-Shelf Devices. IEEE Transactions on Human-Machine Systems, 2014, 44, 406-415.	3.5	11
63	Thermal Face Recognition in Unconstrained Environments Using Histograms of LBP Features. Studies in Computational Intelligence, 2014, , 219-243.	0.9	7
64	Person Following by Mobile Robots: Analysis of Visual and Range Tracking Methods and Technologies. Lecture Notes in Computer Science, 2014, , 231-243.	1.3	4
65	Semantic Object Search Using Semantic Categories and Spatial Relations between Objects. Lecture Notes in Computer Science, 2014, , 516-527.	1.3	2
66	Multi-objective Optimization for Characterization of Optical Flow Methods. , 2014, , .		1
67	Integration of the ROS Framework in Soccer Robotics: The NAO Case. Lecture Notes in Computer Science, 2014, , 664-671.	1.3	6
68	A Bayesian framework for informed search using convolutions between observation likelihoods and spatial relation masks. , 2013, , .		2
69	Bender â€“ A General-Purpose Social Robot with Human-Robot Interaction Abilities. Journal of Human-robot Interaction, 2013, 1, .	2.0	1
70	Cooperative Global Tracking Using Multiple Sensors. Lecture Notes in Computer Science, 2013, , 310-321.	1.3	5
71	Human Behavior Understanding for Robotics. Lecture Notes in Computer Science, 2012, , 1-16.	1.3	10
72	Performance of optical flow techniques for motion analysis of fluorescent point signals in confocal microscopy. Machine Vision and Applications, 2012, 23, 675-689.	2.7	38

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73	A comparative study of thermal face recognition methods in unconstrained environments. Pattern Recognition, 2012, 45, 2445-2459.	8.1	118
74	Visual SLAM Based on Rigid-Body 3D Landmarks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 125-149.	3.4	3
75	Human Detection and Identification by Robots Using Thermal and Visual Information in Domestic Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 223-243.	3.4	44
76	Domestic Service Robots in the Real World. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 183-186.	3.4	11
77	Advances in Robotics in Latin America. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 1-2.	3.4	1
78	A Virtual Environment Tool for Benchmarking Face Analysis Systems. Lecture Notes in Computer Science, 2012, , 536-546.	1.3	0
79	TCAS: A Multiclass Object Detector for Robot and Computer Vision Applications. Lecture Notes in Computer Science, 2012, , 632-641.	1.3	0
80	Benchmarks for Robotic Soccer Vision. Lecture Notes in Computer Science, 2012, , 427-439.	1.3	0
81	A Portable Ground-Truth System Based on a Laser Sensor. Lecture Notes in Computer Science, 2012, , 234-245.	1.3	2
82	A Real-Time Hybrid Architecture for Biped Humanoids with Active Vision Mechanisms. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 63, 233-255.	3.4	4
83	A New Methodology for the Design of Passive Biped Robots: Determining Conditions on the Robotâ€™s Parameters for the Existence of Stable Walking Cycles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 63, 503-523.	3.4	5
84	Towards dense motion estimation in light and electron microscopy. , 2011, , .		6
85	Thermal Face Recognition Using Local Interest Points and Descriptors for HRI Applications. Lecture Notes in Computer Science, 2011, , 25-35.	1.3	9
86	A Realistic Simulation Tool for Testing Face Recognition Systems under Real-World Conditions. Lecture Notes in Computer Science, 2011, , 13-24.	1.3	0
87	Additional elements on the use of robots for childcare. Interaction Studies, 2010, 11, 253-256.	0.6	0
88	Robotics-Centered Outreach Activities: An Integrated Approach. IEEE Transactions on Education, 2010, 53, 38-45.	2.4	22
89	Play Ball!. IEEE Robotics and Automation Magazine, 2010, 17, 43-53.	2.0	8
90	SPATIOTEMPORAL CONTEXT INTEGRATION IN ROBOT VISION. International Journal of Humanoid Robotics, 2010, 07, 357-377.	1.1	1

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91	A virtual environment for realistic testing and training of face detection and recognition systems. , 2010, , .		1
92	Application of artificial neural networks to the geochemical study of an impacted fluvial system. , 2010, , .		2
93	Fall detection and management in biped humanoid robots. , 2010, , .		29
94	VISUAL DETECTION OF LEGGED ROBOTS AND ITS APPLICATION TO ROBOT SOCCER PLAYING AND REFEREEING. International Journal of Humanoid Robotics, 2010, 07, 669-698.	1.1	3
95	TASK-ORIENTED PROBABILISTIC ACTIVE VISION. International Journal of Humanoid Robotics, 2010, 07, 451-476.	1.1	4
96	Coarse-To-Fine Multiclass Nested Cascades for Object Detection. , 2010, , .		5
97	Analyzing the Human-Robot Interaction Abilities of a General-Purpose Social Robot in Different Naturalistic Environments. Lecture Notes in Computer Science, 2010, , 308-319.	1.3	4
98	Real-Time Hand Gesture Recognition for Human Robot Interaction. Lecture Notes in Computer Science, 2010, , 46-57.	1.3	17
99	Self-modeling in humanoid soccer robots. Robotics and Autonomous Systems, 2009, 57, 819-827.	5.1	13
100	Learning to fall: Designing low damage fall sequences for humanoid soccer robots. Robotics and Autonomous Systems, 2009, 57, 796-807.	5.1	33
101	Manganese nodules in the Miocene BahÃa Inglesa Formation, north-central Chile: Petrography, geochemistry, genesis and palaeoceanographic significance. Sedimentary Geology, 2009, 217, 128-139.	2.1	31
102	Robot Head Pose Detection and Gaze Direction Determination Using Local Invariant Features. Advanced Robotics, 2009, 23, 305-328.	1.8	15
103	Dynamic gesture recognition for human robot interaction. , 2009, , .		5
104	Face recognition using thermal infrared images for Human-Robot Interaction applications: A comparative study. , 2009, , .		14
105	An integrated multi-agent decision making framework for robot soccer. , 2009, , .		3
106	Recognition of Faces in Unconstrained Environments: A Comparative Study. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	96
107	Bayesian Spatiotemporal Context Integration Sources in Robot Vision Systems. Lecture Notes in Computer Science, 2009, , 212-224.	1.3	3
108	A Robot Referee for Robot Soccer. Lecture Notes in Computer Science, 2009, , 426-438.	1.3	7

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109	Face Recognition for Human-Robot Interaction Applications: A Comparative Study. Lecture Notes in Computer Science, 2009, , 473-484.	1.3	6
110	Explicitly Task Oriented Probabilistic Active Vision for a Mobile Robot. Lecture Notes in Computer Science, 2009, , 85-96.	1.3	4
111	Designing Fall Sequences That Minimize Robot Damage in Robot Soccer. Lecture Notes in Computer Science, 2009, , 271-283.	1.3	1
112	Illumination compensation and normalization in eigenspace-based face recognition: A comparative study of different pre-processing approaches. Pattern Recognition Letters, 2008, 29, 1966-1979.	4.2	98
113	A unified learning framework for object detection and classification using nested cascades of boosted classifiers. Machine Vision and Applications, 2008, 19, 85-103.	2.7	39
114	Probabilistic Decision Making in Robot Soccer. Lecture Notes in Computer Science, 2008, , 29-40.	1.3	10
115	Reply: Comments by Colliston and Schoch (2008) on paper by Lacassie et al. (JGE, 91, 81â€“98 (2006)). Journal of Geochemical Exploration, 2008, 99, 66-68.	3.2	0
116	Improving Robot Self-localization Using Landmarksâ€™ Poses Tracking and Odometry Error Estimation. Lecture Notes in Computer Science, 2008, , 148-158.	1.3	2
117	Automatic On-Line Color Calibration Using Class-Relative Color Spaces. Lecture Notes in Computer Science, 2008, , 246-253.	1.3	5
118	Robust Object Recognition Using Wide Baseline Matching for RoboCup Applications. Lecture Notes in Computer Science, 2008, , 441-448.	1.3	8
119	Detection of AIBO and Humanoid Robots Using Cascades of Boosted Classifiers. Lecture Notes in Computer Science, 2008, , 449-456.	1.3	5
120	Offline Signature Verification Using Local Interest Points and Descriptors. Lecture Notes in Computer Science, 2008, , 22-29.	1.3	48
121	Fingerprint Verification Using Local Interest Points and Descriptors. Lecture Notes in Computer Science, 2008, , 519-526.	1.3	3
122	Applying SIFT Descriptors to Stellar Image Matching. Lecture Notes in Computer Science, 2008, , 618-625.	1.3	3
123	Multiclass Adaboost and Coupled Classifiers for Object Detection. Lecture Notes in Computer Science, 2008, , 560-567.	1.3	3
124	Personal Robots as Ubiquitous-Multimedial-Mobile Web Interfaces. , 2007, , .		4
125	Combining Simulation and Reality in Evolutionary Robotics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 50, 19-39.	3.4	59
126	An Automated Refereeing and Analysis Tool for the Four-Legged League. Lecture Notes in Computer Science, 2007, , 206-218.	1.3	8

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127	Real-Time Hand Gesture Detection and Recognition Using Boosted Classifiers and Active Learning. , 2007, , 533-547.		61
128	A New Approach for Fingerprint Verification Based on Wide Baseline Matching Using Local Interest Points and Descriptors. , 2007, , 586-599.		8
129	Spatiotemporal Context in Robot Vision: Detection of Static Objects in the RoboCup Four Legged League. , 2007, , .		0
130	Personal Robots as Ubiquitous-Multimedial-Mobile Web Interfaces. , 2007, , .		0
131	Fuzzy Sliding Mode Control based on Takagi&Sugeno Model Design and its application to a Simulated Robot Hand. , 2006, , .		2
132	Geochemical patterns of schists from the Bushmanland Group: An artificial neural networks approach. Journal of Geochemical Exploration, 2006, 91, 81-98.	3.2	9
133	Visualization of Volcanic Rock Geochemical Data and Classification with Artificial Neural Networks. Mathematical Geosciences, 2006, 38, 697-710.	0.9	17
134	Probabilistic kick selection in robot soccer. , 2006, , .		5
135	UChile1 Strikes Back, 2006 Team Description Paper. , 2006, , .		1
136	Context - dependent color segmentation for Aibo robots. , 2006, , .		5
137	Knowledge extraction in geochemical data by using self-organizing maps.. , 2006, , .		2
138	Gaze Direction Determination of Opponents and Teammates in Robot Soccer. Lecture Notes in Computer Science, 2006, , 230-242.	1.3	14
139	An Application Interface for UCHILSIM and the Arrival of New Challenges. Lecture Notes in Computer Science, 2006, , 464-471.	1.3	2
140	Gender Classification of Faces Using Adaboost. Lecture Notes in Computer Science, 2006, , 68-78.	1.3	26
141	A Fast Probabilistic Model for Hypothesis Rejection in SIFT-Based Object Recognition. Lecture Notes in Computer Science, 2006, , 696-705.	1.3	14
142	Special Tutorial â€" State of the Art Face Detection: Cascade Boosting Approaches. Advances in Intelligent and Soft Computing, 2006, , 405-409.	0.2	0
143	UCHILSIM: A Dynamically and Visually Realistic Simulator for the RoboCup Four Legged League. Lecture Notes in Computer Science, 2005, , 34-45.	1.3	27
144	Eigenspace-Based Face Recognition: A Comparative Study of Different Approaches. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 315-325.	2.9	118

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145	Improvement of a face detection system by evolutionary multi-objective optimization. , 2005, , .		4
146	A Background Maintenance Model in the Spatial-Range Domain. Lecture Notes in Computer Science, 2004, , 141-152.	1.3	13
147	Robotics Courses for Children as a Motivation Tool: The Chilean Experience. IEEE Transactions on Education, 2004, 47, 474-480.	2.4	42
148	Discovering geochemical patterns using self-organizing neural networks: a new perspective for sedimentary provenance analysis. Sedimentary Geology, 2004, 165, 175-191.	2.1	31
149	Back to reality: Crossing the reality gap in evolutionary robotics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 834-839.	0.4	41
150	Evolving Visual Object Recognition for Legged Robots. Lecture Notes in Computer Science, 2004, , 181-191.	1.3	12
151	Temporal Dynamical Interactions between Multiple Layers of Local Image Features for Event Detection in Video Sequences. Lecture Notes in Computer Science, 2003, , 223-231.	1.3	1
152	Kernel-based Face Recognition by a Reformulation of Kernel Machines. , 2003, , 183-195.		2
153	Face Recognition Using Multi Log-Polar Images and Gabor Filters. , 2003, , 197-204.		1
154	ANALYSIS AND COMPARISON OF EIGENSPACE-BASED FACE RECOGNITION APPROACHES. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 817-830.	1.2	47
155	FACERET: An Interactive Face Retrieval System Based on Self-Organizing Maps. Lecture Notes in Computer Science, 2002, , 157-164.	1.3	10
156	Eigenspace-based Face Recognition. , 2002, , 445-460.		0
157	On the Generalization of Kernel Machines. Lecture Notes in Computer Science, 2002, , 24-39.	1.3	4
158	Steady-state image processing. Applied Soft Computing Journal, 2001, 1, 53-62.	7.2	1
159	Bio-inspired Texture Segmentation Architectures. Lecture Notes in Computer Science, 2000, , 444-452.	1.3	0
160	Computational Autopoiesis for Texture Analysis. , 2000, , 531-539.		1
161	ASGCS: A new self-organizing network for automatic selection of feature variables. Lecture Notes in Computer Science, 1999, , 805-813.	1.3	0
162	Autopoiesis and image processing: Detection of structure and organization in images. Lecture Notes in Computer Science, 1999, , 442-451.	1.3	2

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163	TEXSOM: Texture segmentation using self-organizing maps. Neurocomputing, 1998, 21, 7-18.	5.9	21
164	Sewage pipe image segmentation using a neural based architecture. Pattern Recognition Letters, 1996, 17, 363-368.	4.2	10
165	Automatic generation of oriented filters for texture segmentation. , 1996, , .		2
166	A neural architecture for preattentive segmentation of sewage pipes video images. Lecture Notes in Computer Science, 1995, , 875-881.	1.3	0
167	Fuzzy-based texture retrieval. , 0, , .		2
168	A fuzzy-based operator for symmetrical object detection. , 0, , .		0
169	Bio-inspired framework for the fusion of chromatic, infrared and textural information. , 0, , .		0
170	Neural-based architectures for the segmentation of textures. , 0, , .		3
171	Interactive texture synthesis. , 0, , .		2
172	Texture synthesis using image pyramids and self-organizing maps. , 0, , .		5
173	Eigenspace-based recognition of faces: comparisons and a new approach. , 0, , .		13
174	Biologically based face recognition using Gabor filters and log-polar images. , 0, , .		9
175	Interactive face retrieval using self-organizing maps. , 0, , .		11
176	Real-time tracking of multiple persons. , 0, , .		12
177	On the image content of the Chilean Web. , 0, , .		3
178	Skin detection using neighborhood information. , 0, , .		43
179	Robust skin segmentation using neighborhood information. , 0, , .		10
180	Characterizing Objectionable Image Content (Pornography and Nude Images) of Specific Web Segments: Chile as a Case Study. , 0, , .		10