

Yau-Zen Chang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1392721/publications.pdf>

Version: 2024-02-01

46
papers

301
citations

1307594

7
h-index

940533

16
g-index

46
all docs

46
docs citations

46
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereo matching for infrared images using guided filtering weighted by exponential moving average. IET Image Processing, 2020, 14, 830-837.	2.5	7
2	Stereo Matching Based on Guided Image Filtering with Permeability Filter. , 2019, , .		1
3	Hierarchical Guided-Image-Filtering for Efficient Stereo Matching. Applied Sciences (Switzerland), 2019, 9, 3122.	2.5	4
4	Efficient Stereo Matching Based on Pervasive Guided Image Filtering. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	5
5	Accurate stereo matching based on weighted nonlocal aggregation for enhanced disparity refinement. Journal of Electronic Imaging, 2018, 27, 1.	0.9	0
6	Development of a visual compressive tracking system enhanced by adaptive boosting. , 2015, , .		2
7	Adaptive MIMO Supervisory Control Design Using Modeling Error. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	1
8	Efficient Stereo Matching with Decoupled Dissimilarity Measure Using Successive Weighted Summation. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	0
9	Construction of Fuzzy Map for Autonomous Mobile Robots Based on Fuzzy Confidence Model. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	1
10	Two-level robust adaptive fuzzy control of aircraft. , 2014, , .		1
11	Switched Two-Level Adaptive and Robust Fuzzy Learning Control of an Overhead Crane. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	1
12	Biomechanical Evaluation of an Orthodontic Miniimplant Used With Revolving (Translation and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Dentistry, 2013, 22, 77-82.	1.3	7
13	Adaptive Neuron-Like Control of Time-Delay Systems Enhanced with Feedforward and Supervisory Strategies. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	0
14	Biomechanical evaluation of an orthodontic mini-implant with plastic removal cap: An in-vitro experimental testing. , 2013, 2013, 3183-5.		0
15	Registration for frameless brain surgery based on stereo imaging. , 2013, 2013, 3998-4001.		0
16	Optimal fuzzy tracking control of uncertain nonlinear systems based on genetic algorithms and fuzzy Lyapunov function. Journal of Intelligent and Fuzzy Systems, 2013, 24, 121-132.	1.4	2
17	Adaptive inverse control of a temperature regulation system with feedforward. , 2012, , .		0
18	Application of real-time single camera SLAM technology for image-guided targeting in neurosurgery. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Application of non-destructive impedance-based monitoring technique for cyclic fatigue evaluation of endodontic nickel-titanium rotary instruments. Medical Engineering and Physics, 2011, 33, 604-609.	1.7	6
20	Uniformly spaced 3D modeling of human face from two images using parallel particle swarm optimization. Proceedings of SPIE, 2011, , .	0.8	2
21	Nonlinear Model Predictive Control of a Rotary Crane System using On-Line Optimization. , 2011, , .		0
22	Calibration of a dual-PTZ camera system for stereo vision. Proceedings of SPIE, 2010, , .	0.8	1
23	Investigation of hybrid optimization methods to evolve effective gaits of a hexapedal robot. , 2010, , .		1
24	Experimental Investigation of a Prediction Algorithm for an Indoor SLAM Platform. Lecture Notes in Computer Science, 2010, , 154-165.	1.3	0
25	Supervised adaptive control for temperature regulation. , 2009, , .		0
26	Integration of a stereo vision system and a laser range finder for 3-D construction. Artificial Life and Robotics, 2009, 14, 228-232.	1.2	1
27	Three dimensional map construction using a scanning laser range finder. Proceedings of SPIE, 2009, , .	0.8	1
28	Robust fuzzy control and evolutionary fuzzy identification of singularly perturbed nonlinear systems with parameter uncertainty. Electrical Engineering, 2008, 90, 379-393.	2.0	6
29	Human face detection with neural networks and the DIRECT algorithm. Artificial Life and Robotics, 2008, 12, 112-115.	1.2	5
30	3D registration of human face using evolutionary computation and Kriging interpolation. Artificial Life and Robotics, 2008, 13, 242-245.	1.2	2
31	Robust fuzzy stabilization of dithered chaotic systems using island-based random optimization algorithm. Information Sciences, 2008, 178, 1171-1188.	6.9	15
32	Optimizing the Swiss-Roll Recuperator of an Innovative Micro Gas Turbine by a Surrogate Neural Network and the Multi-Objective DIRECT Algorithm. , 2008, , .		2
33	Supervised Adaptive PID Control of Unknown Nonlinear Systems Using Fuzzily Blended Time-Varying Canonical Model. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	2
34	A Simple Fuzzy Motion Planning Strategy for Autonomous Mobile Robots. , 2007, , .		4
35	A comparative study of smooth path planning for a mobile robot by evolutionary multi-objective optimization. , 2007, , .		11
36	Supervised Adaptive Control of Unknown Nonlinear Systems Using Fuzzily Blended Time-Varying Canonical Model. , 2007, , 464-472.		2

#	ARTICLE	IF	CITATIONS
37	The surface alloying behavior of martensitic stainless steel cut with wire electrical discharge machine. <i>Applied Surface Science</i> , 2006, 252, 2915-2926.	6.1	18
38	Accurate Calibration of a Robotic Positioning System Using the Evolutionary Search. <i>Industrial Electronics Society (IECON)</i> , Annual Conference of IEEE, 2006, , .	0.0	0
39	Collision Detection of Deformable Polyhedral Objects via Inner-outer Ellipsoids. , 2006, , .		3
40	Practical and flexible path planning for car-like mobile robot using maximal-curvature cubic spiral. <i>Robotics and Autonomous Systems</i> , 2005, 52, 312-335.	5.1	56
41	Derivation of optimal processing parameters of polypropylene foam thermoforming by an artificial neural network. <i>Polymer Engineering and Science</i> , 2005, 45, 375-384.	3.1	7
42	Application of the Genetic Algorithm to the Multi-Objective Optimization of Air Bearings. <i>Tribology Letters</i> , 2004, 17, 119-128.	2.6	30
43	The electrochemical behavior of austenitic stainless steel with different degrees of sensitization in the transpassive potential region in 1 M H ₂ SO ₄ containing chloride. <i>Corrosion Science</i> , 2004, 46, 1501-1513.	6.6	37
44	A Hybrid Search Algorithm for Porous Air Bearings Optimization. <i>Tribology Transactions</i> , 2002, 45, 471-477.	2.0	13
45	On the adaptive control of flexible joint robots. <i>Automatica</i> , 1992, 28, 969-974.	5.0	39
46	Parallel genetic algorithms for a neurocontrol problem. , 0, , .		5