

# Han Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/214632/publications.pdf>

Version: 2024-02-01

427  
papers

8,808  
citations

66343

42  
h-index

69250

77  
g-index

429  
all docs

429  
docs citations

429  
times ranked

8378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Volumetric Additive Manufacturing in Solid State: A Demonstration to Produce Water-Content-Dependent Cooling/Heating/Water-Responsive Shape Memory Hydrogels. <i>3D Printing and Additive Manufacturing</i> , 2024, 11, 125-131.	2.9	4
2	A one-stage deep learning framework for automatic detection of safety harnesses in high-altitude operations. <i>Signal, Image and Video Processing</i> , 2023, 17, 75-82.	2.7	3
3	Phenylpropanoids from <i>Solanum capsicoides</i> and their anti-inflammatory activity. <i>Journal of Asian Natural Products Research</i> , 2023, 25, 118-124.	1.4	1
4	Error Compensation for Optical Encoder via Local-Sinusoidal-Assisted Empirical Mode Decomposition With an Optimization Scheme. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9596-9604.	7.9	5
5	Micro electrical discharge milling of a monocrystalline silicon complex micro-cavity. <i>Materials and Manufacturing Processes</i> , 2022, 37, 681-692.	4.7	6
6	Automatic detection of ultrasound breast lesions: a novel saliency detection model based on multiple priors. <i>Signal, Image and Video Processing</i> , 2022, 16, 723-734.	2.7	2
7	Learn to Navigate Autonomously Through Deep Reinforcement Learning. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 5342-5352.	7.9	18
8	Serial number inspection for ceramic membranes via an end-to-end photometric-induced convolutional neural network framework. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 1373-1392.	7.3	3
9	Achieving Real-Time Path Planning in Unknown Environments Through Deep Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 2093-2102.	8.0	22
10	Groundwater contamination source identification using improved differential evolution Markov chain algorithm. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19679-19692.	5.3	9
11	Polypyrrole/SnO <sub>2</sub> @SiO <sub>2</sub> as anode materials with improved lithium storage performance. <i>Ionics</i> , 2022, 28, 1109-1117.	2.4	2
12	Anthozoan-like porous nanocages with nano-cobalt-armed CNT multifunctional layers as a cathode material for highly stable Na-S batteries. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 645-651.	6.0	7
13	Simultaneous identification of groundwater contaminant source and simulation model parameters based on an ensemble Kalman filter " Adaptive step length ant colony optimization algorithm. <i>Journal of Hydrology</i> , 2022, 605, 127352.	5.4	17
14	IC Solder Joints Inspection via an Optimized Statistical Modeling Method. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2022, 12, 341-348.	2.5	2
15	Fabrication of bioinspired grid-crimp micropatterns by melt electrospinning writing for bone-ligament interface study. <i>Biofabrication</i> , 2022, 14, 025008.	7.1	9
16	Activatable fluorescence molecular imaging and anti-tumor effects investigation of GSH-sensitive BRD4 ligands. <i>Bioorganic Chemistry</i> , 2022, 120, 105636.	4.1	1
17	Recognition of a linear source contamination based on a mixed-integer stacked chaos gate recurrent unit neural network-hybrid sparrow search algorithm. <i>Environmental Science and Pollution Research</i> , 2022, 29, 33528-33543.	5.3	10
18	The ROS/GRK2/HIF-1 $\alpha$ /NLRP3 Pathway Mediates Pyroptosis of Fibroblast-Like Synoviocytes and the Regulation of Monomer Derivatives of Paeoniflorin. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 1-15.	4.0	20

#	ARTICLE	IF	CITATIONS
19	Dual-functional significance of ATM-mediated phosphorylation of spindle assembly checkpoint component Bub3 in mitosis and the DNA damage response. <i>Journal of Biological Chemistry</i> , 2022, 298, 101632.	3.4	5
20	Visual enhancement of single-view 3D point cloud reconstruction. <i>Computers and Graphics</i> , 2022, 102, 112-119.	2.5	8
21	Multi-modal image feature fusion-based PM2.5 concentration estimation. <i>Atmospheric Pollution Research</i> , 2022, 13, 101345.	3.8	8
22	Survey on Fatigue Life Prediction of BGA Solder Joints. <i>Electronics (Switzerland)</i> , 2022, 11, 542.	3.1	16
23	A Fluorescence Immunochromatographic Strip Based on Quantum Dot Nanobeads for the Rapid Detection of Okadaic Acid. <i>Food Analytical Methods</i> , 2022, 15, 2470-2478.	2.6	2
24	Peridynamic-based investigation of the cracking behavior of multilayer thermal barrier coatings. <i>Ceramics International</i> , 2022, 48, 23543-23553.	4.8	10
25	Interaction mechanism of copper ions with the surface of sulfidized malachite and its response to flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129127.	4.7	11
26	Groundwater contamination source-sink analysis based on random statistical method for a practical case. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 4157-4174.	4.0	3
27	Adsorption behavior and mechanism of copper ions in the sulfidization flotation of malachite. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 897-906.	10.3	31
28	iTD3-CLN: Learn to navigate in dynamic scene through Deep Reinforcement Learning. <i>Neurocomputing</i> , 2022, 503, 118-128.	5.9	6
29	Automatic optical inspection system for IC solder joint based on local-to-global ensemble learning. <i>Soldering and Surface Mount Technology</i> , 2021, 33, 65-74.	1.5	1
30	Robust and ultrafine silicon oxycarbide fiber mats prepared by a spinning-aid-free electrospinning/sol-gel method. <i>Materials Letters</i> , 2021, 283, 128696.	2.6	2
31	Survey on Localization Systems and Algorithms for Unmanned Systems. <i>Unmanned Systems</i> , 2021, 09, 129-163.	3.6	44
32	Simultaneous identification of groundwater contaminant sources and simulation of model parameters based on an improved single-component adaptive Metropolis algorithm. <i>Hydrogeology Journal</i> , 2021, 29, 859-873.	2.1	9
33	Multidrug-loaded electrospun micro/nanofibrous membranes: Fabrication strategies, release behaviors and applications in regenerative medicine. <i>Journal of Controlled Release</i> , 2021, 330, 1264-1287.	9.9	37
34	Recognizing groundwater DNAPL contaminant source and aquifer parameters using parallel heuristic search strategy based on Bayesian approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 813-830.	4.0	8
35	Modeling and experimental validation of compaction pressure distribution for automated fiber placement. <i>Composite Structures</i> , 2021, 256, 113101.	5.8	21
36	BND*-DDQN: Learn to Steer Autonomously Through Deep Reinforcement Learning. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021, 13, 249-261.	3.8	17

#	ARTICLE	IF	CITATIONS
37	Investigation on Microstructure, Hardness and Wear Resistance of Electron Beam Wire-Feeding Deposited Inconel 718 Alloy Coatings. <i>Metals and Materials International</i> , 2021, 27, 1263-1272.	3.4	8
38	Research on Inventory Technology of Talents in State-owned Enterprises. <i>E3S Web of Conferences</i> , 2021, 235, 01071.	0.5	0
39	The Design Path of Job Dividend Scheme for State-owned Technological Enterprises. <i>E3S Web of Conferences</i> , 2021, 235, 03083.	0.5	0
40	Numerical Calculation of Apparent Contact Angles on the Hierarchical Surface with Array Microstructures by Wire Electrical Discharge Machining. <i>Langmuir</i> , 2021, 37, 1768-1778.	3.5	8
41	Flexible Capacitive Pressure Sensor Based on Laser-Induced Graphene and Polydimethylsiloxane Foam. <i>IEEE Sensors Journal</i> , 2021, 21, 12048-12056.	4.7	25
42	Research on the Selection Model of Medium and Long-term Incentive Modes for State-controlled Listed Companies. <i>E3S Web of Conferences</i> , 2021, 235, 02065.	0.5	0
43	The Design Path of the Employee Stock Ownership Scheme of the Conventional Holding and Mixed Ownership Enterprises. <i>E3S Web of Conferences</i> , 2021, 235, 01051.	0.5	0
44	Analysis of Mid- and Long-term Incentive Policies for State-controlled Listed Companies. <i>E3S Web of Conferences</i> , 2021, 235, 01049.	0.5	0
45	The Design Path of the Project Income Dividend Plan of the State-owned Technology Enterprise. <i>E3S Web of Conferences</i> , 2021, 235, 03066.	0.5	0
46	Delamination properties and <i>in situ</i> damage monitoring of z-pinned carbon fiber/epoxy composites. <i>Science and Engineering of Composite Materials</i> , 2021, 28, 415-425.	1.4	4
47	Micro-milling/micro-EDM combined processing technology for complex microarray cavity fabrication. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 113, 1057-1071.	3.0	5
48	A Behavior-Based Mobile Robot Navigation Method with Deep Reinforcement Learning. <i>Unmanned Systems</i> , 2021, 09, 201-209.	3.6	12
49	Surface roughness evaluation and morphology reconstruction of electrical discharge machining by frequency spectral analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108879.	5.0	7
50	An iterative updating heuristic search strategy for groundwater contamination source identification based on an ACPSO-ELM surrogate system. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 2153-2172.	4.0	7
51	Stretchable MXene/Thermoplastic Polyurethanes based Strain Sensor Fabricated Using a Combined Electrospinning and Electrostatic Spray Deposition Technique. <i>Micromachines</i> , 2021, 12, 252.	2.9	19
52	Advances in the treatment of graft-versus-host disease with immunomodulatory cells. <i>International Immunopharmacology</i> , 2021, 92, 107349.	3.8	3
53	Simultaneous identification of groundwater contamination source and aquifer parameters with a new weighted-average wavelet variable-threshold denoising method. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38292-38307.	5.3	5
54	Dynamic evolution of nonuniform temperature-stress distributions in continuously eroding thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2021, 410, 126946.	4.8	5

#	ARTICLE	IF	CITATIONS
55	Compressive properties and energy absorption behavior of Mg <sub>17</sub> Al <sub>12</sub> /Al ordered structure composites. <i>Composites Part B: Engineering</i> , 2021, 210, 108688.	12.0	13
56	Lightweight 3-D Localization and Mapping for Solid-State LiDAR. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 1801-1807.	5.1	37
57	Simulation and Optimization of SNAP-Taper Coupling System in Displacement Sensing. <i>Sensors</i> , 2021, 21, 2947.	3.8	4
58	Intensity-SLAM: Intensity Assisted Localization and Mapping for Large Scale Environment. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 1715-1721.	5.1	45
59	Placement suitability analysis of automated fiber placement on curved surfaces considering the influence of prepreg tow, roller and AFP machine. <i>Composite Structures</i> , 2021, 262, 113608.	5.8	10
60	Algorithms for Constructing Initial and Offset Path of Automated Fiber Placement for Complex Double-Curved Surfaces. <i>Applied Composite Materials</i> , 2021, 28, 855-875.	2.5	1
61	An efficient thermal cure profile design method for autoclave curing of large size mold. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 2499-2514.	3.0	4
62	Tolerance analysis of the volumetric error of heavy-duty machine tool based on interval uncertainty. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 2185-2199.	3.0	8
63	Micro-damage initiation evaluation of z-pinned laminates based on a new three-dimension RVE model. <i>Composite Structures</i> , 2021, 263, 113725.	5.8	11
64	Investigate Effects of Microstructures on Nanoconfined Water Flow Behaviors from Viscous Dissipation Perspectives. <i>Transport in Porous Media</i> , 2021, 140, 815-836.	2.6	5
65	RPA-SYBR Green I based instrument-free visual detection for pathogenic <i>Yersinia enterocolitica</i> in meat. <i>Analytical Biochemistry</i> , 2021, 621, 114157.	2.4	14
66	Coaxial electrospun PVA/PCL nanofibers with dual release of tea polyphenols and $\mu$ -poly (L-lysine) as antioxidant and antibacterial wound dressing materials. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120525.	5.2	77
67	Modelling Fertilizer Use in Relation to Farmers' Household Characteristics in Three Gorges Reservoir Area, China. <i>Agriculture (Switzerland)</i> , 2021, 11, 472.	3.1	10
68	Compressive response and microstructural evolution of in-situ TiB <sub>2</sub> particle-reinforced 7075 aluminum matrix composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 1235-1248.	4.2	23
69	Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 7966-7974.	3.7	17
70	IC solder joint inspection via generator-adversarial-network based template. <i>Machine Vision and Applications</i> , 2021, 32, 1.	2.7	10
71	Adsorption characteristics of Pb(II) species on the sulfidized malachite surface and its response to flotation. <i>Separation and Purification Technology</i> , 2021, 264, 118440.	7.9	23
72	Identification of chicken-derived scFv against N-glycolylneuraminic acid retrieved from an immune library by phage display. <i>Protein Expression and Purification</i> , 2021, 182, 105841.	1.3	3

#	ARTICLE	IF	CITATIONS
73	Modification of malachite surfaces with lead ions and its contribution to the sulfidization flotation. <i>Applied Surface Science</i> , 2021, 550, 149350.	6.1	40
74	Pyrogallol acid as depressant for flotation separation of pyrite from chalcopyrite under low-alkalinity conditions. <i>Separation and Purification Technology</i> , 2021, 267, 118670.	7.9	18
75	Learning to extract robust handcrafted features with a single observation via evolutionary neurogenesis. <i>Applied Soft Computing Journal</i> , 2021, 106, 107424.	7.2	2
76	Influence of fiber cutting at the composite grid intersection on the compressive performance of laminate. <i>Composite Structures</i> , 2021, 267, 113859.	5.8	17
77	Modular DC-DC auto-transformer: Topology, operation, and system design. <i>IET Power Electronics</i> , 2021, 14, 2289-2302.	2.1	3
78	Stimulus-Responsive Shrinkage in Electrospun Membranes: Fundamentals and Control. <i>Micromachines</i> , 2021, 12, 920.	2.9	9
79	Process optimization of polyphenol oxidase immobilization: Isotherm, kinetic, thermodynamic and removal of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 792-803.	7.5	10
80	Role of BCLAF1 in PD-L1 stabilization in response to ionizing irradiation. <i>Cancer Science</i> , 2021, 112, 4064-4074.	3.9	7
81	Spinel ferrites (MFe <sub>2</sub> O <sub>4</sub> ): Synthesis, improvement and catalytic application in environment and energy field. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102486.	14.7	159
82	Release characteristics of Pb and BETX from in situ oil shale transformation on groundwater environment. <i>Scientific Reports</i> , 2021, 11, 16166.	3.3	3
83	Reply to "Comment on "Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction": Problems Pitfalls and Solutions". <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 12136-12137.	3.7	0
84	Simultaneous identification of groundwater pollution source spatial-temporal characteristics and hydraulic parameters based on deep regularization neural network-hybrid heuristic algorithm. <i>Journal of Hydrology</i> , 2021, 600, 126586.	5.4	15
85	Stochastic-based liquid apparent permeability model of shale oil reservoir considering geological control. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 3759-3773.	2.4	3
86	Identification of copper-sulfide species on the cuprite surface and its role in sulfidization flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126854.	4.7	16
87	Embedded YOLO: A Real-Time Object Detector for Small Intelligent Trajectory Cars. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	1.1	3
88	Fabrication and in vitro evaluation of PCL/gelatin hierarchical scaffolds based on melt electrospinning writing and solution electrospinning for bone regeneration. <i>Materials Science and Engineering C</i> , 2021, 128, 112287.	7.3	39
89	hlgDFc-Ig inhibits B cell function by regulating the BCR-Syk-Btk-NF- $\kappa$ B signalling pathway in mice with collagen-induced arthritis. <i>Pharmacological Research</i> , 2021, 173, 105873.	7.1	3
90	Mining consistent correspondences using co-occurrence statistics. <i>Pattern Recognition</i> , 2021, 119, 108062.	8.1	8

#	ARTICLE	IF	CITATIONS
91	Response of antioxidant defense to oxidative stress induced by H <sub>2</sub> O <sub>2</sub> and NO in anammox bacteria. <i>Chemosphere</i> , 2021, 282, 131008.	8.2	19
92	Effect of ferric ion on cuprite surface properties and sulfidization flotation. <i>Separation and Purification Technology</i> , 2021, 278, 119573.	7.9	18
93	Research on the Construction of Energy Internet Ecosystem in State-owned Enterprises. <i>E3S Web of Conferences</i> , 2021, 235, 01004.	0.5	0
94	Brain MR image super-resolution via a deep convolutional neural network with multi-unit upsampling learning. <i>Signal, Image and Video Processing</i> , 2021, 15, 931-939.	2.7	2
95	Investigations on Water Imbibing into Oil-Saturated Nanoporous Media: Coupling Molecular Interactions, the Dynamic Contact Angle, and the Entrance Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 1872-1883.	3.7	8
96	Analytical Compliance Equations of Generalized Elliptical-Arc-Beam Spherical Flexure Hinges for 3D Elliptical Vibration-Assisted Cutting Mechanisms. <i>Materials</i> , 2021, 14, 5928.	2.9	4
97	Corrigendum to "Embedded YOLO: A Real-Time Object Detector for Small Intelligent Trajectory Cars". <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-1.	1.1	2
98	IgD promotes pannus formation by activating Wnt5A-Fzd5-CTHRC1-NF- $\kappa$ B signaling pathway in FLS of CIA rats and the regulation of IgD-Fc-Ig fusion protein. <i>International Immunopharmacology</i> , 2021, 101, 108261.	3.8	6
99	The monomer derivative of paeoniflorin inhibits macrophage pyroptosis via regulating TLR4/ NLRP3/ GSDMD signaling pathway in adjuvant arthritis rats. <i>International Immunopharmacology</i> , 2021, 101, 108169.	3.8	18
100	F-LOAM : Fast LiDAR Odometry and Mapping. , 2021, , .		115
101	Self-critical Learning of Influencing Factors for Trajectory Prediction using Gated Graph Convolutional Network. , 2021, , .		1
102	Detonator coded character spotting based on convolutional neural networks. <i>Signal, Image and Video Processing</i> , 2020, 14, 67-75.	2.7	5
103	From Local Understanding to Global Regression in Monocular Visual Odometry. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2020, 34, 2055002.	1.2	6
104	AbolDeepIO: A Novel Deep Inertial Odometry Network for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1941-1950.	8.0	55
105	A novel combination of electrical discharge machining and electrodeposition for superamphiphobic metallic surface fabrication. <i>Applied Surface Science</i> , 2020, 504, 144285.	6.1	33
106	Road-Constrained Geometric Pose Estimation for Ground Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 748-760.	5.2	9
107	OriNet: Robust 3-D Orientation Estimation With a Single Particular IMU. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 399-406.	5.1	51
108	Pulse gas-assisted multi-needle electrospinning of nanofibers. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 98-113.	21.1	21

#	ARTICLE	IF	CITATIONS
109	Compressive properties of expanded glass and alumina hollow spheres hybrid reinforced aluminum matrix syntactic foams. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153233.	5.5	33
110	Activation mechanism of lead ions in the flotation of sphalerite depressed with zinc sulfate. <i>Minerals Engineering</i> , 2020, 146, 106132.	4.3	54
111	Automatic detonator code recognition via deep neural network. <i>Expert Systems With Applications</i> , 2020, 145, 113121.	7.6	7
112	Groundwater contamination sources identification based on kernel extreme learning machine and its effect due to wavelet denoising technique. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34107-34120.	5.3	10
113	Influence of Large Framed Mold Placement in Autoclave on Heating Performance. <i>Applied Composite Materials</i> , 2020, 27, 811-837.	2.5	7
114	Facile Fabrication of a Superhydrophobic Surface with Robust Micro-/Nanoscale Hierarchical Structures on Titanium Substrate. <i>Nanomaterials</i> , 2020, 10, 1509.	4.1	16
115	Groundwater contaminant source characterization with simulation model parameter estimation utilizing a heuristic search strategy based on the stochastic-simulation statistic method. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103681.	3.3	9
116	Wearable Flexible Strain Sensor Based on Three-Dimensional Wavy Laser-Induced Graphene and Silicone Rubber. <i>Sensors</i> , 2020, 20, 4266.	3.8	50
117	Glass transition temperature, rheological, and gelatinization properties of high amylose corn starch and waxy cassava starch blends. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14682.	2.0	2
118	Multimodal Deep Fusion Network for Visibility Assessment With a Small Training Dataset. <i>IEEE Access</i> , 2020, 8, 217057-217067.	4.2	9
119	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection. , 2020, , .		125
120	A Brief Survey: Deep Reinforcement Learning in Mobile Robot Navigation. , 2020, , .		15
121	An Obstacle Detection Method for USV by Fusing of Radar and Motion Stereo. , 2020, , .		1
122	Immobilized polyphenol oxidase: Preparation, optimization and oxidation of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 233-244.	7.5	17
123	Covalent organic framework photocatalysts: structures and applications. <i>Chemical Society Reviews</i> , 2020, 49, 4135-4165.	38.1	649
124	Heuristic search strategy based on probabilistic and geostatistical simulation approach for simultaneous identification of groundwater contaminant source and simulation model parameters. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 891-907.	4.0	9
125	High homocysteine promotes telomere dysfunction and chromosomal instability in human neuroblastoma SH-SY5Y cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 854-855, 503197.	1.7	5
126	Interaction mechanism of tannic acid with pyrite surfaces and its response to flotation separation of chalcopyrite from pyrite in a low-alkaline medium. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4421-4430.	5.8	42



#	ARTICLE	IF	CITATIONS
127	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6434-6470.	10.3	140
128	Parallel heuristic search strategy based on a Bayesian approach for simultaneous recognition of contaminant sources and aquifer parameters at DNAPL-contaminated sites. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37134-37148.	5.3	6
129	Rational and wide-range tuning of CNT aerogel conductors with multifunctionalities. <i>Nanoscale</i> , 2020, 12, 13771-13780.	5.6	5
130	Micro Electrochemical Machining of Array Micro-Grooves Using In-Situ Disk Electrode Fabricated by Micro-WEDM. <i>Micromachines</i> , 2020, 11, 66.	2.9	8
131	Microlens Fabrication by Replica Molding of Electro-Hydrodynamic Printing Liquid Mold. <i>Micromachines</i> , 2020, 11, 161.	2.9	10
132	Selective adsorption mechanism of salicylic acid on pyrite surfaces and its application in flotation separation of chalcopyrite from pyrite. <i>Separation and Purification Technology</i> , 2020, 240, 116650.	7.9	87
133	Targeted overexpression of the long noncoding RNA ODSM can regulate osteoblast function in vitro and in vivo. <i>Cell Death and Disease</i> , 2020, 11, 133.	6.3	27
134	Targeted silencing of miRNA-132-3p expression rescues disuse osteopenia by promoting mesenchymal stem cell osteogenic differentiation and osteogenesis in mice. <i>Stem Cell Research and Therapy</i> , 2020, 11, 58.	5.5	28
135	Groundwater contamination source identification based on a hybrid particle swarm optimization-extreme learning machine. <i>Journal of Hydrology</i> , 2020, 584, 124657.	5.4	42
136	Integrating the (311) facet of MnO <sub>2</sub> and the functional groups of poly(m-phenylenediamine) in core-shell MnO <sub>2</sub> @poly(m-phenylenediamine) adsorbent to remove Pb ions from water. <i>Journal of Hazardous Materials</i> , 2020, 389, 122154.	12.4	31
137	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes. <i>Composite Structures</i> , 2020, 239, 112039.	5.8	14
138	Angelica Essential Oil Loaded Electrospun Gelatin Nanofibers for Active Food Packaging Application. <i>Polymers</i> , 2020, 12, 299.	4.5	35
139	Editorial: Special Issue on Selected Papers from CIS-RAM2019 "Cybernetics and Intelligent Systems (CIS) and Robotics, Automation and Mechatronics (RAM). <i>Unmanned Systems</i> , 2020, 08, 191-192.	3.6	1
140	Two-dimensional transition metal carbide and nitride (MXene) derived quantum dots (QDs): synthesis, properties, applications and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7508-7535.	10.3	201
141	Online Visual Place Recognition via Saliency Re-identification. , 2020, , .		9
142	GMC: Grid Based Motion Clustering in Dynamic Environment. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1267-1280.	0.6	0
143	A Model-Guided Neural Network for the Prediction of Creep Behavior Under in-Service Conditions. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	1.1	2
144	LaCNet: Real-time End-to-End Arbitrary-shaped Lane and Curb Detection with Instance Segmentation Network. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
145	Unsupervised Scene Categorization, Path Segmentation and Landmark Extraction while Traveling Path. , 2020, , .		0
146	Unsupervised 3D Primitive Shape Detection using Mathematical Models. , 2020, , .		0
147	Towards Understanding and Inferring the Crowd: Guided Second Order Attention Networks and Re-identification for Multi-object Tracking. , 2020, , .		1
148	An Effective Optimization Scheme for ECG Signal Denoising via Low-Rank Matrix Decomposition. Circuits, Systems, and Signal Processing, 2019, 38, 138-152.	2.0	2
149	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. ACS Applied Materials & Interfaces, 2019, 11, 32579-32598.	8.0	120
150	Bipolar Log-Intensity-Variance Histogram Method for Local Image Patch Intensity Change Measurements. Mathematical Problems in Engineering, 2019, 2019, 1-16.	1.1	0
151	Effect of copper ions on surface properties of ZnSO <sub>4</sub> -depressed sphalerite and its response to flotation. Separation and Purification Technology, 2019, 228, 115756.	7.9	38
152	Multiple Object Tracking With Attention to Appearance, Structure, Motion and Size. IEEE Access, 2019, 7, 104423-104434.	4.2	88
153	DeepDSAIR: Deep 6-DOF camera relocalization using deblurred semantic-aware image representation for large-scale outdoor environments. Image and Vision Computing, 2019, 89, 120-130.	4.5	8
154	Investigation on the high-temperature ductility and fracture mechanisms of an in-situ particle reinforced Al matrix composite 7075Al/TiB <sub>2</sub> . Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138263.	5.6	18
155	Axial and radial compressive properties of alumina-aluminum matrix syntactic foam filled thin-walled tubes. Composite Structures, 2019, 226, 111197.	5.8	46
156	Filter-Based Secure Dynamic Pose Estimation for Autonomous Vehicles. IEEE Sensors Journal, 2019, 19, 6298-6308.	4.7	10
157	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. Journal of Hazardous Materials, 2019, 380, 120864.	12.4	110
158	Maximum entropy searching. CAAI Transactions on Intelligence Technology, 2019, 4, 1-8.	8.1	14
159	Lactic acid as selective depressant for flotation separation of chalcopyrite from pyrite and its depression mechanism. Journal of Molecular Liquids, 2019, 296, 111774.	4.9	27
160	M-Net: A Novel U-Net With Multi-Stream Feature Fusion and Multi-Scale Dilated Convolutions for Bile Ducts and Hepatolith Segmentation. IEEE Access, 2019, 7, 148645-148657.	4.2	16
161	Editorial: Special Issue on Artificial Intelligence and Computer Vision. Unmanned Systems, 2019, 07, 147-147.	3.6	2
162	Restart Covariance Matrix Adaptation Evolution Strategy for Solving Wind-integrated Emission Economic Dispatch Problems. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
163	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	10.3	106
164	Effect of starch on surface properties of pyrite and chalcopyrite and its response to flotation separation at low alkalinity. <i>Minerals Engineering</i> , 2019, 143, 106015.	4.3	39
165	Identification of groundwater contamination sources using a statistical algorithm based on an improved Kalman filter and simulation optimization. <i>Hydrogeology Journal</i> , 2019, 27, 2919-2931.	2.1	12
166	Effect of structure design on compressive properties and energy absorption behavior of ordered porous aluminum prepared by rapid casting. <i>Materials and Design</i> , 2019, 167, 107631.	7.0	29
167	Compressive Properties of Aluminum Matrix Syntactic Foams Prepared by Stir Casting Method. <i>Advanced Engineering Materials</i> , 2019, 21, 1900183.	3.5	30
168	Honey loaded alginate/PVA nanofibrous membrane as potential bioactive wound dressing. <i>Carbohydrate Polymers</i> , 2019, 219, 113-120.	10.2	196
169	An Improved Stochastic Linear Cross-entropy Method for Non-convex Economic Dispatch. , 2019, , .		0
170	TDPP-Net: Achieving three-dimensional path planning via a deep neural network architecture. <i>Neurocomputing</i> , 2019, 357, 151-162.	5.9	39
171	Depth-based Obstacle Avoidance through Deep Reinforcement Learning. , 2019, , .		6
172	Fabrication of Multiphase Particles and Grain Refinement of Al-Containing Magnesium. <i>Springer Proceedings in Physics</i> , 2019, , 607-614.	0.2	0
173	Configuration optimization of laser tracker stations for position measurement in error identification of heavy-duty machine tools. <i>Measurement Science and Technology</i> , 2019, 30, 045009.	2.6	17
174	A stiffer structural design method for worktable of heavy-duty vertical lathe by combining modal analysis and topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 745-756.	3.5	2
175	Analysis on the Information Management of Social Security. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 688, 055005.	0.6	0
176	Towards Utilizing Deep Uncertainty In Traditional SLAM. , 2019, , .		3
177	Influence and evaluation of array-nozzle geometry on near-field electrospinning direct writing. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501989564.	1.0	2
178	Real-time Robust Multi-lane Detection and Tracking in Challenging Urban Scenarios. , 2019, , .		1
179	Real Time Multiple Object Tracking using Deep Features and Localization Information. , 2019, , .		0
180	MPC-based Unified Trajectory Planning and Tracking Control Approach for Automated Guided Vehicles. , 2019, , .		20

#	ARTICLE	IF	CITATIONS
181	Energy Minimization Approach for Negative Obstacle Region Detection. IEEE Transactions on Vehicular Technology, 2019, 68, 11668-11678.	6.3	7
182	An Improved Bare Bone Multi-Objective Particle Swarm Optimization Algorithm for Solar Thermal Power Plants. Energies, 2019, 12, 4480.	3.1	6
183	Fast Loop Closure Detection via Binary Content. , 2019, , .		2
184	Wide-Baseline Obstacle Mapping Using Monocular Camera for Unmanned Surface Vehicle. , 2019, , .		4
185	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. Chemical Society Reviews, 2019, 48, 488-516.	38.1	564
186	Secure Estimation for Attitude and Heading Reference Systems Under Sparse Attacks. IEEE Sensors Journal, 2019, 19, 641-649.	4.7	6
187	A novel method of indirect rapid prototyping to fabricate the ordered porous aluminum with controllable dimension variation and their properties. Journal of Materials Processing Technology, 2019, 266, 373-380.	6.3	13
188	Fabrication of superhydrophobic metallic surface on the electrical discharge machining basement. Applied Surface Science, 2019, 478, 110-118.	6.1	34
189	Heading Reference-Assisted Pose Estimation for Ground Vehicles. IEEE Transactions on Automation Science and Engineering, 2019, 16, 448-458.	5.2	9
190	Study on Fabrication and Compressive Properties of Mg/Al-Ordered Structure Composites. Springer Proceedings in Physics, 2019, , 453-461.	0.2	0
191	3D Reconstruction from A Single Image. , 2019, , .		0
192	Emission Kinetics from PbSe Quantum Dots in Glass Matrix at High Excitation Levels. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800012.	2.4	1
193	IC Solder Joint Inspection Based on an Adaptive-Template Method. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1121-1127.	2.5	19
194	SMT Solder Joint Inspection via a Novel Cascaded Convolutional Neural Network. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 670-677.	2.5	51
195	Fabrication of microfluidic channels based on melt-electrospinning direct writing. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	16
196	Red warning for air pollution in China: Exploring residents' perceptions of the first two red warnings in Beijing. Environmental Research, 2018, 161, 540-545.	7.5	11
197	Effects of minor Sr additions on the as-cast microstructure, fluidity and mechanical properties of Mg-4.2Zn-1.7RE-0.8Zr-0.2Ca (wt%) alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 723, 118-125.	5.6	17
198	Image denoising method based on a deep convolution neural network. IET Image Processing, 2018, 12, 485-493.	2.5	80

#	ARTICLE	IF	CITATIONS
199	MAP approximation to the variational Bayes Gaussian mixture model and application. <i>Soft Computing</i> , 2018, 22, 3287-3299.	3.6	0
200	Mixed $L_1$ norm and $L_2$ norm regularized sparsity adaptive matchi. <i>Signal, Image and Video Processing</i> , 2018, 12, 133-140.	2.7	1
201	Numerical simulation and experimental investigation of a thin-wall magnesium alloy casting based on a rapid prototyping core making method. <i>International Journal of Cast Metals Research</i> , 2018, 31, 37-46.	1.0	7
202	Vision-based navigation of an unmanned surface vehicle with object detection and tracking abilities. <i>Machine Vision and Applications</i> , 2018, 29, 95-112.	2.7	44
203	Risk assessment of inhalation exposure to VOCs in dwellings in Chongqing, China. <i>Toxicology Research</i> , 2018, 7, 59-72.	2.1	21
204	Fast approximation of variational Bayes Dirichlet process mixture using the maximization algorithm. <i>International Journal of Approximate Reasoning</i> , 2018, 93, 153-177.	3.3	8
205	GPS/odometry/map fusion for vehicle positioning using potential function. <i>Autonomous Robots</i> , 2018, 42, 99-110.	4.8	6
206	The Analysis and Research on Continuous Improvement of Grid Material Quality. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 439, 042039.	0.6	0
207	Graphene/ $h_2$ / $s_3$ van der Waals Heterostructure for Ultrasensitive Photodetection. <i>ACS Photonics</i> , 2018, 5, 4912-4919.	6.6	36
208	Multi-objective optimization of process parameters during low-pressure die casting of AZ91D magnesium alloy wheel castings. <i>China Foundry</i> , 2018, 15, 327-332.	1.4	8
209	Event-triggered Distributed Pose Estimation for Networked Vehicles. , 2018, , .		0
210	A Stiffener Structural Design Method for Worktable of Heavy-duty Vertical Lathe Combining Topology Optimization and Size Optimization. , 2018, , .		0
211	Learn to Steer through Deep Reinforcement Learning. <i>Sensors</i> , 2018, 18, 3650.	3.8	30
212	MicroRNA-139-3p regulates osteoblast differentiation and apoptosis by targeting ELK1 and interacting with long noncoding RNA ODSM. <i>Cell Death and Disease</i> , 2018, 9, 1107.	6.3	64
213	Random Binary Local Patch Clustering Transforms Based Image Matching for Nonlinear Intensity Changes. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-16.	1.1	1
214	A New Approach to Train Convolutional Neural Networks for Real-Time 6-DOF Camera Relocalization. , 2018, , .		3
215	Feasible Computationally Efficient Path Planning for UAV Collision Avoidance. , 2018, , .		7
216	Error analysis and compensation of an optical linear encoder. <i>IET Science, Measurement and Technology</i> , 2018, 12, 561-566.	1.6	10

#	ARTICLE	IF	CITATIONS
217	Optimization of laser trackers locations for position measurement. , 2018, , .		4
218	Schwertmannite transformation via direct or indirect electron transfer by a sulfate reducing enrichment culture. Environmental Pollution, 2018, 242, 738-748.	7.5	20
219	Wide-Baseline Stereo-Based Obstacle Mapping for Unmanned Surface Vehicles. Sensors, 2018, 18, 1085.	3.8	18
220	Fabrication and evaluation of controllable deposition distance for aligned pattern by multi-nozzle near-field electrospinning. AIP Advances, 2018, 8, .	1.3	12
221	Immobilization of powdery calcium silicate hydrate via PVA covalent cross-linking process for phosphorus removal. Science of the Total Environment, 2018, 645, 937-945.	8.0	31
222	One-step fabrication of superhydrophobic surface on beryllium copper alloys and corrosion protection application. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 291-298.	4.7	44
223	Blind inpainting using the fully convolutional neural network. Visual Computer, 2017, 33, 249-261.	3.5	77
224	IC Solder Joint Inspection via Robust Principle Component Analysis. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, , 1-10.	2.5	22
225	Geometric Map-Assisted Localization for Mobile Robots Based on Uniform-Gaussian Distribution. IEEE Robotics and Automation Letters, 2017, 2, 789-795.	5.1	13
226	Fabrication of three-dimensional micro-nanofiber structures by a novel solution blow spinning device. AIP Advances, 2017, 7, .	1.3	4
227	Road Constrained Monocular Visual Localization Using Gaussian-Gaussian Cloud Model. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3449-3456.	8.0	19
228	A vision-based character inspection system for tire mold. Assembly Automation, 2017, 37, 230-237.	1.7	6
229	Effect of calcium addition on microstructure, casting fluidity and mechanical properties of Mg-Zn-Ce-Zr magnesium alloy. Journal of Rare Earths, 2017, 35, 503-509.	4.8	13
230	Unsupervised feature selection via low-rank approximation and structure learning. Knowledge-Based Systems, 2017, 124, 70-79.	7.1	55
231	A novel error compensation method for an absolute optical encoder based on empirical mode decomposition. Mechanical Systems and Signal Processing, 2017, 88, 81-88.	8.0	27
232	Sparse Coding Based Fisher Vector Using a Bayesian Approach. IEEE Signal Processing Letters, 2017, 24, 91-95.	3.6	4
233	Reducing drift using visual information in a multi-robot scheme. , 2017, , .		0
234	Stereo vision based negative obstacle detection. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
235	A hybrid feature parametrization for improving stereo-SLAM consistency. , 2017, , .		5
236	Genome-wide analysis and prediction of functional long noncoding RNAs in osteoblast differentiation under simulated microgravity. Molecular Medicine Reports, 2017, 16, 8180-8188.	2.4	10
237	Improving the measurement accuracy of an absolute imaging position encoder via a new edge detection method. IET Science, Measurement and Technology, 2017, 11, 406-413.	1.6	7
238	Object co-segmentation via weakly supervised data fusion. Computer Vision and Image Understanding, 2017, 155, 43-54.	4.7	8
239	A nonlinear optimization model for fishing vessel evacuation during typhoon emergencies. Human and Ecological Risk Assessment (HERA), 2017, 23, 457-473.	3.4	3
240	Salient Object Detection With Spatiotemporal Background Priors for Video. IEEE Transactions on Image Processing, 2017, 26, 3425-3436.	9.8	68
241	Vision-based lane detection and tracking for driver assistance systems: A survey. , 2017, , .		6
242	Real-time three-dimensional smooth path planning for unmanned aerial vehicles in completely unknown cluttered environments. , 2017, , .		8
243	Heterogeneous stereo: A human vision inspired method for general robotics sensing. , 2017, , .		1
244	( $\hat{\alpha}$ )-Epigallocatechin Gallate Targets Notch to Attenuate the Inflammatory Response in the Immediate Early Stage in Human Macrophages. Frontiers in Immunology, 2017, 8, 433.	4.8	30
245	Response of MiRNA-22-3p and MiRNA-149-5p to Folate Deficiency and the Differential Regulation of MTHFR Expression in Normal and Cancerous Human Hepatocytes. PLoS ONE, 2017, 12, e0168049.	2.5	13
246	Strategic Decision-Making Learning from Label Distributions: An Approach for Facial Age Estimation. Sensors, 2016, 16, 994.	3.8	11
247	Learning a field of Gaussian mixture model for image classification. , 2016, , .		1
248	miR-33-5p, a novel mechano-sensitive microRNA promotes osteoblast differentiation by targeting Hmga2. Scientific Reports, 2016, 6, 23170.	3.3	78
249	A Comparison of SLAM Prediction Densities Using the Kolmogorov Smirnov Statistic. Unmanned Systems, 2016, 04, 245-254.	3.6	3
250	Learning Gaussian mixture model with a maximization-maximization algorithm for image classification. , 2016, , .		9
251	Hierarchical RANSAC for accurate horizon detection. , 2016, , .		5
252	Scale-adaptive multiple-obstacle tracking with occlusion handling in maritime scenes. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
253	A New IC Solder Joint Inspection Method for an Automatic Optical Inspection System Based on an Improved Visual Background Extraction Algorithm. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 161-172.	2.5	45
254	Chip-Based Magnetic Solid-Phase Microextraction Online Coupled with MicroHPLC-ICPMS for the Determination of Mercury Species in Cells. Analytical Chemistry, 2016, 88, 796-802.	6.5	71
255	Image-Based Maritime Obstacle Detection Using Global Sparsity Potentials. Journal of Information and Communication Convergence Engineering, 2016, 14, 129-135.	0.2	5
256	miRNA-132-3p inhibits osteoblast differentiation by targeting Ep300 in simulated microgravity. Scientific Reports, 2015, 5, 18655.	3.3	81
257	Place recognition by combining multiple feature types with a modified vocabulary tree. , 2015, , .		1
258	Simulated microgravity inhibits L-type calcium channel currents partially by the up-regulation of miR-103 in MC3T3-E1 osteoblasts. Scientific Reports, 2015, 5, 8077.	3.3	39
259	Global sparsity potentials for obstacle detection from Unmanned Surface Vehicles. , 2015, , .		2
260	Multifeature Extreme Ordinal Ranking Machine for Facial Age Estimation. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	1
261	Cross-domain structural model for video event annotation via web images. Multimedia Tools and Applications, 2015, 74, 10439-10456.	3.9	0
262	An automatic self-calibration approach for wide baseline stereo cameras using sea surface images. , 2015, , .		3
263	An Adaptive Gaussian Particle Filter based Simultaneous Localization and Mapping with dynamic process model noise bias compensation. , 2015, , .		2
264	Deposition characteristics of the double nozzles near-field electrospinning. Applied Physics A: Materials Science and Processing, 2015, 118, 621-628.	2.3	9
265	Facial age estimation based on advanced ordinal ranking. Electronics Letters, 2015, 51, 903-904.	1.0	3
266	MiR-103 inhibits osteoblast proliferation mainly through suppressing Cav1.2 expression in simulated microgravity. Bone, 2015, 76, 121-128.	2.9	57
267	Adaptive estimation for delayed neural networks with Markovian jumping parameters. Optik, 2015, 126, 2960-2964.	2.9	6
268	Vision based long range object detection and tracking for unmanned surface vehicle. , 2015, , .		18
269	Cross-View Action Recognition Over Heterogeneous Feature Spaces. IEEE Transactions on Image Processing, 2015, 24, 4096-4108.	9.8	18
270	An Automatic Self-Calibration Approach for Wide Baseline Stereo Cameras Using Sea Surface Images. Unmanned Systems, 2015, 03, 277-290.	3.6	5



#	ARTICLE	IF	CITATIONS
271	Stacked Extreme Learning Machines. IEEE Transactions on Cybernetics, 2015, 45, 2013-2025.	9.5	112
272	Rhinitis Symptoms and Asthma among Parents of Preschool Children in Relation to the Home Environment in Chongqing, China. PLoS ONE, 2014, 9, e94731.	2.5	27
273	Image interpolation with prescribed tangent of cubic B-spline curve. , 2014, , .		2
274	Robust Homography Estimation Based on Nonlinear Least Squares Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	0
275	Autonomous object level segmentation. , 2014, , .		0
276	Accelerating T <sub>2</sub> mapping using structured sparse representation. , 2014, , .		0
277	Traffic cone detection and localization in TechX Challenge 2013. , 2014, , .		1
278	Multi-group Adaptation for Event Recognition from Videos. , 2014, , .		8
279	Efficient visual odometry estimation using stereo camera. , 2014, , .		4
280	Efficient SIFT descriptor via color quantization. , 2014, , .		4
281	Novel linear optical encoder with absolute imaging position. , 2014, , .		1
282	A robust vision-based method for staircase detection and localization. Cognitive Processing, 2014, 15, 173-194.	1.4	3
283	Application of BW-ELM model on traffic sign recognition. Neurocomputing, 2014, 128, 153-159.	5.9	52
284	Microarray Data Classification Using the Spectral-Feature-Based TLS Ensemble Algorithm. IEEE Transactions on Nanobioscience, 2014, 13, 289-299.	3.3	4
285	Video Annotation via Image Groups from the Web. IEEE Transactions on Multimedia, 2014, 16, 1282-1291.	7.2	21
286	Exponential state estimation for stochastic complex dynamical networks with multi-delayed base on adaptive control. International Journal of Control, Automation and Systems, 2014, 12, 963-968.	2.7	16
287	Model Reduction for the Distillation Column Linear System. Circuits, Systems, and Signal Processing, 2014, 33, 3287-3297.	2.0	8
288	Adaptive Neural Control of a Hypersonic Vehicle in Discrete Time. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 219-231.	3.4	28

#	ARTICLE	IF	CITATIONS
289	Sparse Extreme Learning Machine for Classification. IEEE Transactions on Cybernetics, 2014, 44, 1858-1870.	9.5	196
290	RFS Collaborative Multivehicle SLAM: SLAM in Dynamic High-Clutter Environments. IEEE Robotics and Automation Magazine, 2014, 21, 53-59.	2.0	21
291	An Improved Approach for Depth Data based Face Pose Estimation using Particle Swarm Optimization. , 2014, , .		0
292	Evolutionary Extreme Learning Machine and Its Application to Image Analysis. Journal of Signal Processing Systems, 2013, 73, 73-81.	2.1	14
293	Dampness in dwellings and its associations with asthma and allergies among children in Chongqing: A cross-sectional study. Science Bulletin, 2013, 58, 4259-4266.	1.7	36
294	Sick building syndrome among parents of preschool children in relation to home environment in Chongqing, China. Science Bulletin, 2013, 58, 4267-4276.	1.7	24
295	Robust omnidirectional mobile robot topological navigation system using omnidirectional vision. Engineering Applications of Artificial Intelligence, 2013, 26, 1942-1952.	8.1	24
296	Dynamic random regression forests for real-time head pose estimation. Machine Vision and Applications, 2013, 24, 1705-1719.	2.7	9
297	Real-time Visual Odometry Estimation Based on Principal Direction Detection on Ceiling Vision. International Journal of Automation and Computing, 2013, 10, 397-404.	4.5	4
298	An efficient SLAM system only using RGBD sensors. , 2013, , .		4
299	Robust face detection and tracking under natural conditions. , 2013, , .		3
300	Stereovision based obstacle detection system for unmanned surface vehicle. , 2013, , .		26
301	Neural control for longitudinal dynamics of hypersonic aircraft. , 2013, , .		0
302	A Gaussian Particle Filter based Factorised Solution to the Simultaneous Localization and Mapping problem. , 2013, , .		3
303	Cross-View Action Recognition over Heterogeneous Feature Spaces. , 2013, , .		59
304	Facial landmark localization via boosted and adaptive filters. , 2013, , .		2
305	Iterative adaptive synthetic correlation output filters. Electronics Letters, 2013, 49, 878-880.	1.0	2
306	Person-independent facial expression analysis by fusing multiscale cell features. Optical Engineering, 2013, 52, 037201.	1.0	1

#	ARTICLE	IF	CITATIONS
307	Robust homography estimation based on non-linear least squares optimization. , 2013, , .		6
308	Feature Extraction and Filter Design for Eye Pattern Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-6.	0.4	0
309	Face Recognition with Multi-Resolution Spectral Feature Images. PLoS ONE, 2013, 8, e55700.	2.5	10
310	A Novel Ensemble Algorithm for Tumor Classification. Lecture Notes in Computer Science, 2013, , 292-298.	1.3	0
311	A Novel 3D Registration Algorithm Using Parallel-Light Association. Advances in Intelligent Systems and Computing, 2013, , 311-319.	0.6	0
312	A novel torchlight data association strategy for surface registration. , 2012, , .		0
313	Mobile robot ego motion estimation using RANSAC-based ceiling vision. , 2012, , .		3
314	Improvement in real-time obstacle detection system for USV. , 2012, , .		20
315	A new gain function for compact exploration. , 2012, , .		1
316	A fast and robust head pose estimation system based on depth data. , 2012, , .		3
317	Extending Bayesian RFS SLAM to multi-vehicle SLAM. , 2012, , .		8
318	An affine invariant feature detection method based on SIFT and MSER. , 2012, , .		2
319	A spectral feature based approach for face recognition with one training sample. , 2012, , .		1
320	Visual odometry using RGB-D camera on ceiling vision. , 2012, , .		4
321	Local gradient increasing pattern for facial expression recognition. , 2012, , .		5
322	Weighted principal component extraction with genetic algorithms. Applied Soft Computing Journal, 2012, 12, 961-974.	7.2	9
323	Local Gradient Increasing Pattern (LGIP) for Facial Representation and Gender Recognition. Lecture Notes in Computer Science, 2012, , 46-53.	1.3	2
324	Real-time obstacle detection for Unmanned Surface Vehicle. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
325	A vision-based obstacle detection system for Unmanned Surface Vehicle. , 2011, , .		55
326	A statistic-based approach for automatic multi-view face detection and pose estimation. , 2011, , .		0
327	Effects of Heat and Ultraviolet Radiation on the Oxidative Stability of Pine Nut Oil Supplemented with Carnosic Acid. Journal of Agricultural and Food Chemistry, 2011, 59, 13018-13025.	5.2	19
328	Open/closed eye recognition by local binary increasing intensity patterns. , 2011, , .		12
329	Local features by intensity increasing tendency for face recognition. International Journal of Computational Vision and Robotics, 2011, 2, 127.	0.3	1
330	Oxidative stability of fish oil supplemented with carnosic acid compared with synthetic antioxidants during long-term storage. Food Chemistry, 2011, 128, 93-99.	8.2	95
331	A Novel Probabilistic Linear Subspace Approach for Face Applications. Lecture Notes in Computer Science, 2011, , 257-266.	1.3	0
332	Message from the Program and General Chairs. , 2010, , .		0
333	A vision-based strategy for autonomous lift operation. , 2010, , .		0
334	A GA based SLAM with range sensors only. , 2010, , .		3
335	An automatic system for multi-view face detection and pose estimation. , 2010, , .		6
336	Ensemble Based Extreme Learning Machine. IEEE Signal Processing Letters, 2010, 17, 754-757.	3.6	217
337	A novel approach for real time eye state detection in fatigue awareness system. , 2010, , .		17
338	Automatic 3D wire loop tracing in computed tomography images using extended generalized cylinder modeling. , 2010, , .		0
339	Torchlight Navigation. , 2010, , .		2
340	Modeling Images With Multiple Trace Transforms for Pattern Analysis. IEEE Signal Processing Letters, 2009, 16, 394-397.	3.6	3
341	2D staircase detection using real AdaBoost. , 2009, , .		16
342	Combining singular points and orientation image information for fingerprint classification. Pattern Recognition, 2008, 41, 353-366.	8.1	63

#	ARTICLE	IF	CITATIONS
343	Teaching a robot to operate a lift. , 2008, , .		0
344	Iterative learning control for a class of systems with hysteresis. , 2008, , .		1
345	Feature selection in frequency domain and its application to face recognition. , 2008, , .		1
346	Improving predictive accuracy by evolving feature selection for face recognition. IEICE Electronics Express, 2008, 5, 1061-1066.	0.8	2
347	A target recognition algorithm based on a support vector machine. Proceedings of SPIE, 2008, , .	0.8	0
348	Extraction of hybrid trace features with evolutionary computation for face recognition. , 2007, , .		1
349	Recognition of human faces using discrete cosine transform filtered trace features. , 2007, , .		3
350	Classification of transformed face images with majority voting. , 2007, , .		3
351	LARGE-SCALE LOOP-CLOSING BY FUSING RANGE DATA AND AERIAL IMAGE. International Journal of Robotics and Automation, 2007, 22, .	0.1	2
352	Face Recognition with Weighted Kernel Principal Component Analysis. , 2006, , .		7
353	Classification by evolutionary ensembles. Pattern Recognition, 2006, 39, 595-607.	8.1	40
354	Constrained nonlinear models of fingerprint orientations with prediction. Pattern Recognition, 2006, 39, 102-114.	8.1	67
355	Feature Extraction with Genetic Algorithms Based Nonlinear Principal Component Analysis for Face Recognition. , 2006, , .		7
356	Fingerprint Indexing Based On Symmetrical Measurement. , 2006, , .		13
357	Continuous fingerprints classification by symmetrical filters. , 2006, , .		3
358	Appearance-Based Topological Bayesian Inference for Loop-Closing Detection in a Cross-Country Environment. International Journal of Robotics Research, 2006, 25, 953-983.	8.5	13
359	Singular Points Detection Using Interactive Mechanism In Fingerprint Images. , 2006, , .		5
360	Appearance-based topological Bayesian inference for loop-closing detection in cross-country environment. , 2005, , .		1

#	ARTICLE	IF	CITATIONS
361	Markov random field modeled range image segmentation. Pattern Recognition Letters, 2004, 25, 367-375.	4.2	26
362	Vehicle following with obstacle avoidance capabilities in natural environments. , 2004, , .		21
363	Evolutionary Optimization With Markov Random Field Prior. IEEE Transactions on Evolutionary Computation, 2004, 8, 567-579.	10.0	11
364	Scheduling and routing algorithms for AGVs: A survey. International Journal of Production Research, 2002, 40, 745-760.	7.5	301
365	Corner detection based on modified Hough transform. Pattern Recognition Letters, 2002, 23, 1039-1049.	4.2	45
366	Correction of bias for motion estimation algorithms. Pattern Recognition Letters, 2002, 23, 1505-1514.	4.2	0
367	Multi-platform Soccer Robot Development System. Lecture Notes in Computer Science, 2002, , 471-476.	1.3	1
368	Cooperation-Based Behavior Design. Lecture Notes in Computer Science, 2002, , 465-470.	1.3	0
369	<title>Feature-based image registration and mosaicing</title>. , 2000, 4023, 260.		0
370	Disparity interpolation for image synthesis. Pattern Recognition Letters, 2000, 21, 201-210.	4.2	2
371	Multi-sensor fusion for steerable four-wheeled industrial vehicles. Control Engineering Practice, 1999, 7, 1233-1248.	5.5	23
372	Analysis of gray level corner detection. Pattern Recognition Letters, 1999, 20, 149-162.	4.2	157
373	Real-Time 3D Motion Tracking with Known Geometric Models. Real Time Imaging, 1999, 5, 167-187.	1.6	13
374	Fast Relative Depth Computation for an Active Stereo Vision System. Real Time Imaging, 1999, 5, 189-202.	1.6	24
375	Robust Estimation of Rotation Angles from Image Sequences Using the Annealing M-Estimator. Journal of Mathematical Imaging and Vision, 1998, 8, 181-192.	1.3	12
376	Efficient algorithms for obtaining algebraic invariants from higher degree implicit polynomials for recognition of curved objects. Pattern Recognition, 1998, 31, 301-313.	8.1	1
377	Coordinating the eyes, head and arm of an autonomous robot. Engineering Applications of Artificial Intelligence, 1998, 11, 163-174.	8.1	3
378	Efficient Computation of Algebraic Invariants from Higher-Degree Implicit Polynomials Using Tensor-Based Representation. International Journal of Robotics Research, 1998, 17, 1105-1125.	8.5	0

#	ARTICLE	IF	CITATIONS
379	<title>Combined binocular and monocular stereo-vision system for unstructured terrain navigation</title>. , 1998, , .		0
380	Real-time object tracking from corners. <i>Robotica</i> , 1998, 16, 109-116.	1.9	8
381	<title>Reading resistor values by color image processing</title>. , 1997, 3185, 157.		8
382	<title>Tracking a rigid object in 3D from a single camera</title>. , 1997, , .		1
383	Minimization of MRF Energy with Relaxation Labeling. <i>Journal of Mathematical Imaging and Vision</i> , 1997, 7, 149-161.	1.3	20
384	Recognition of planar shapes using algebraic invariants from higher degree implicit polynomials. <i>Lecture Notes in Computer Science</i> , 1997, , 378-385.	1.3	1
385	Active Visual Feedback Control of Robot Manipulator. <i>Journal of Robotics and Mechatronics</i> , 1997, 9, 231-238.	1.0	0
386	Bayesian image restoration and segmentation by constrained optimization. , 1996, , .		8
387	Second-order implicit polynomials for segmentation of range images. <i>Pattern Recognition</i> , 1996, 29, 937-949.	8.1	13
388	Robust hand-eye coordination. <i>Advanced Robotics</i> , 1996, 11, 57-73.	1.8	7
389	PARADOXâ€™a heterogeneous machine for the 3D vision algorithm. <i>Concurrency and Computation: Practice and Experience</i> , 1995, 7, 257-272.	0.5	2
390	Computational approaches for solving the bas-relief ambiguity under orthographic projection. <i>Pattern Recognition Letters</i> , 1995, 16, 479-489.	4.2	2
391	Real-time corner detection algorithm for motion estimation. <i>Image and Vision Computing</i> , 1995, 13, 695-703.	4.5	163
392	<title>Detection of corners on 3D space curves</title>. , 1994, 2354, 339.		2
393	Vision for mobile robots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1992, 337, 341-350.	4.0	21
394	A parallel implementation of a structure-from-motion algorithm. <i>Lecture Notes in Computer Science</i> , 1992, , 272-276.	1.3	6
395	Implementation of Apply on a transputer array. <i>Concurrency and Computation: Practice and Experience</i> , 1991, 3, 43-54.	0.5	4
396	Evolutionary optimization in Markov random field modeling. , 0, , .		3

#	ARTICLE	IF	CITATIONS
397	Solving the bas-relief ambiguity. , 0, , .		1
398	A practical solution to corner detection. , 0, , .		13
399	Relaxation labeling of Markov random fields. , 0, , .		7
400	Robust representation and recognition of free-form objects. , 0, , .		0
401	Localization and pose estimation of free-form shapes under Euclidean transformation. , 0, , .		1
402	Document segmentation and classification with top-down approach. , 0, , .		2
403	Advanced guided vehicle: distributed system. , 0, , .		0
404	Adaptive state estimation for 4-wheel steerable industrial vehicles. , 0, , .		2
405	Fuzzy logic Kalman filter estimation for 2-wheel steerable vehicles. , 0, , .		4
406	State estimation for a golf buggy via Differential Global Positioning System. , 0, , .		1
407	Embedding cooperation in robots to play soccer game. , 0, , .		0
408	A linear algorithm to estimate the plane of infinity. , 0, , .		1
409	A hierarchical genetic algorithm for path planning in a static environment with obstacles. , 0, , .		15
410	A hierarchical genetic algorithm for path planning in a static environment with obstacles. , 0, , .		6
411	Markov random field modeled range image segmentation. , 0, , .		0
412	Adaptive pose and location estimation for indoor mobile robot. , 0, , .		2
413	Isodisparity profile processing for real-time 3D obstacle identification. , 0, , .		1
414	Design and recognition of a ring code for AGV localization. , 0, , .		0



#	ARTICLE	IF	CITATIONS
415	An extended ICM algorithm for range image segmentation. , 0, , .		0
416	Nonlinear phase portrait modeling of fingerprint orientation. , 0, , .		7
417	Evolutionary gibbs sampler for image segmentation. , 0, , .		0
418	Feature Extraction Using Evolutionary Weighted Principal Component Analysis. , 0, , .		3
419	Invariant Facial Features Under Pose Variations for Face Recognition. , 0, , .		2
420	Large-scale loop-closing with pictorial matching. , 0, , .		3
421	Microstructure and Compressive Properties of Al/Al <sub>2</sub> O <sub>3</sub> /Syntactic Foams. Materials Science Forum, 0, 933, 174-181.	0.3	7
422	Integrated Computation and Preparation Optimization of $\text{In}_2\text{S}_3$ Ordered Porous Aluminum Filled Tubes. Materials Science Forum, 0, 993, 857-862.	0.3	0
423	Studying the Stability and Conductivity of the Composite Films via Electrospinning/Spray Process. Key Engineering Materials, 0, 841, 76-81.	0.4	0
424	Electrospinning/Spray: The Interaction between Graphene Nanosheets and Different Nanofibers. Key Engineering Materials, 0, 841, 82-86.	0.4	0
425	A new fractal apparent permeability model for liquid flow in tortuous nanopores from lattice Boltzmann simulations to theoretical model. Fractals, 0, , .	3.7	0
426	On 3-D image segmentation based on planar and quadric approximations. , 0, , .		0
427	Feature correspondence and localization of 3D objects using range images. , 0, , .		0