

Han Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

351
papers

4,960
citations

34
h-index

60
g-index

429
ext. papers

6,804
ext. citations

4.6
avg, IF

6.37
L-index

#	Paper	IF	Citations
351	IC Solder Joints Inspection via an Optimized Statistical Modeling Method. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2022 , 12, 341-348	1.7	0
350	Activatable fluorescence molecular imaging and anti-tumor effects investigation of GSH-sensitive BRD4 ligands.. <i>Bioorganic Chemistry</i> , 2022 , 120, 105636	5.1	
349	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 , 1	5.1	1
348	The ROS/GRK2/HIF-1/NLRP3 Pathway Mediates Pyroptosis of Fibroblast-Like Synoviocytes and the Regulation of Monomer Derivatives of Paeoniflorin.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 4566851	6.7	1
347	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 , 101632	5.4	0
346	Visual enhancement of single-view 3D point cloud reconstruction. <i>Computers and Graphics</i> , 2022 , 102, 112-119	1.8	0
345	Multi-modal image feature fusion-based PM2.5 concentration estimation. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101345	4.5	2
344	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	6	1
343	Effect of ferric ion on cuprite surface properties and sulfidization flotation. <i>Separation and Purification Technology</i> , 2022 , 278, 119573	8.3	8
342	Survey on Fatigue Life Prediction of BGA Solder Joints. <i>Electronics (Switzerland)</i> , 2022 , 11, 542	2.6	1
341	Phenylpropanoids from and their anti-inflammatory activity.. <i>Journal of Asian Natural Products Research</i> , 2022 , 1-7	1.5	0
340	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	5.1	0
339	F-LOAM : Fast LiDAR Odometry and Mapping 2021 ,		15
338	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	1
337	IgD promotes pannus formation by activating Wnt5A-Fzd5-CTHRC1-NF- κ B signaling pathway in FLS of CIA rats and the regulation of IgD-Fc-Ig fusion protein. <i>International Immunopharmacology</i> , 2021 , 101, 108261	5.8	1
336	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	5.8	2
335	Groundwater contamination source identification using improved differential evolution Markov chain algorithm. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0

334	Stretchable MXene/Thermoplastic Polyurethanes based Strain Sensor Fabricated Using a Combined Electrospinning and Electrostatic Spray Deposition Technique. <i>Micromachines</i> , 2021 , 12,	3.3	6
333	Advances in the treatment of graft-versus-host disease with immunomodulatory cells. <i>International Immunopharmacology</i> , 2021 , 92, 107349	5.8	2
332	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	5.1	1
331	Dynamic evolution of nonuniform temperature-stress distributions in continuously eroding thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2021 , 410, 126946	4.4	0
330	Compressive properties and energy absorption behavior of Mg17Al12/Al ordered structure composites. <i>Composites Part B: Engineering</i> , 2021 , 210, 108688	10	2
329	Lightweight 3-D Localization and Mapping for Solid-State LiDAR. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 1801-1807	4.2	9
328	Intensity-SLAM: Intensity Assisted Localization and Mapping for Large Scale Environment. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 1715-1721	4.2	8
327	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	5.3	0
326	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	0
325	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	3.2	0
324	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	3.2	1
323	Micro-damage initiation evaluation of z-pinned laminates based on a new three-dimension RVE model. <i>Composite Structures</i> , 2021 , 263, 113725	5.3	5
322	Investigate Effects of Microstructures on Nanoconfined Water Flow Behaviors from Viscous Dissipation Perspectives. <i>Transport in Porous Media</i> , 2021 , 140, 815	3.1	2
321	RPA-SYBR Green I based instrument-free visual detection for pathogenic <i>Yersinia enterocolitica</i> in meat. <i>Analytical Biochemistry</i> , 2021 , 621, 114157	3.1	1
320	Coaxial electrospun PVA/PCL nanofibers with dual release of tea polyphenols and Epoly (L-lysine) as antioxidant and antibacterial wound dressing materials. <i>International Journal of Pharmaceutics</i> , 2021 , 601, 120525	6.5	16
319	Modelling Fertilizer Use in Relation to Farmers' Household Characteristics in Three Gorges Reservoir Area, China. <i>Agriculture (Switzerland)</i> , 2021 , 11, 472	3	3
318	Compressive response and microstructural evolution of in-situ TiB ₂ particle-reinforced 7075 aluminum matrix composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2021 , 31, 1235-1248	3.3	3
317	Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7966-7974	3.9	6

316	IC solder joint inspection via generator-adversarial-network based template. <i>Machine Vision and Applications</i> , 2021 , 32, 1	2.8	1
315	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	8.3	8
314	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	2	1
313	Modification of malachite surfaces with lead ions and its contribution to the sulfidization flotation. <i>Applied Surface Science</i> , 2021 , 550, 149350	6.7	16
312	Pyrogalllic acid as depressant for flotation separation of pyrite from chalcopyrite under low-alkalinity conditions. <i>Separation and Purification Technology</i> , 2021 , 267, 118670	8.3	2
311	Learning to extract robust handcrafted features with a single observation via evolutionary neurogenesis. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107424	7.5	0
310	Influence of fiber cutting at the composite grid intersection on the compressive performance of laminate. <i>Composite Structures</i> , 2021 , 267, 113859	5.3	2
309	Modular DC-DC auto-transformer: Topology, operation, and system design. <i>IET Power Electronics</i> , 2021 , 14, 2289-2302	2.2	1
308	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	1.4	
307	Robust and ultrafine silicon oxycarbide fiber mats prepared by a spinning-aid-free electrospinning/sol-gel method. <i>Materials Letters</i> , 2021 , 283, 128696	3.3	
306	Survey on Localization Systems and Algorithms for Unmanned Systems. <i>Unmanned Systems</i> , 2021 , 09, 129-163	3	13
305	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	3.1	5
304	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	11.7	7
303	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	3.5	4
302	Modeling and experimental validation of compaction pressure distribution for automated fiber placement. <i>Composite Structures</i> , 2021 , 256, 113101	5.3	5
301	BND*-DDQN: Learn to Steer Autonomously Through Deep Reinforcement Learning. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 13, 249-261	3	4
300	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	2.4	4
299	Research on Inventory Technology of Talents in State-owned Enterprises. <i>E3S Web of Conferences</i> , 2021 , 235, 01071	0.5	

298	The Design Path of Job Dividend Scheme for State-owned Technological Enterprises. <i>E3S Web of Conferences</i> , 2021 , 235, 03083	0.5	
297	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	4	1
296	Flexible Capacitive Pressure Sensor Based on Laser-Induced Graphene and Polydimethylsiloxane Foam. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	7
295	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	
294	Error compensation for optical encoder via local-sinusoidal-assisted empirical mode decomposition with an optimization scheme. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
293	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	
292	Analysis of Mid- and Long-term Incentive Policies for State-controlled Listed Companies. <i>E3S Web of Conferences</i> , 2021 , 235, 01049	0.5	
291	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	
290	Delamination properties and in situ damage monitoring of z-pinned carbon fiber/epoxy composites. <i>Science and Engineering of Composite Materials</i> , 2021 , 28, 415-425	1.5	0
289	Micro-milling/micro-EDM combined processing technology for complex microarray cavity fabrication. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 113, 1057-1071	3.2	0
288	A Behavior-Based Mobile Robot Navigation Method with Deep Reinforcement Learning. <i>Unmanned Systems</i> , 2021 , 09, 201-209	3	2
287	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	4.6	1
286	An iterative updating heuristic search strategy for groundwater contamination source identification based on an ACPSOELM surrogate system. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021 , 35, 2153-2172	3.5	1
285	Stimulus-Responsive Shrinkage in Electrospun Membranes: Fundamentals and Control. <i>Micromachines</i> , 2021 , 12,	3.3	2
284	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	7.9	3
283	Role of BCLAF-1 in PD-L1 stabilization in response to ionizing irradiation. <i>Cancer Science</i> , 2021 , 112, 4064-4074	6.9	2
282	Spinel ferrites (MFeO): Synthesis, improvement and catalytic application in environment and energy field. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102486	14.3	23
281	Release characteristics of Pb and BETX from in situ oil shale transformation on groundwater environment. <i>Scientific Reports</i> , 2021 , 11, 16166	4.9	0

280	Reply to Comment on Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction—Problems Pitfalls and Solutions— <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 12136-12137	3.9	
279	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	6	1
278	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	2.2	1
277	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	5.1	6
276	Embedded YOLO: A Real-Time Object Detector for Small Intelligent Trajectory Cars. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	1
275	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	8.3	11
274	hlgDFc-Ig inhibits B cell function by regulating the BCR-Syk-Btk-NF- κ B signalling pathway in mice with collagen-induced arthritis. <i>Pharmacological Research</i> , 2021 , 173, 105873	10.2	0
273	Mining consistent correspondences using co-occurrence statistics. <i>Pattern Recognition</i> , 2021 , 119, 1080627	6.7	4
272	Response of antioxidant defense to oxidative stress induced by HO and NO in anammox bacteria. <i>Chemosphere</i> , 2021 , 282, 131008	8.4	2
271	Research on the Construction of Energy Internet Ecosystem in State-owned Enterprises. <i>E3S Web of Conferences</i> , 2021 , 235, 01004	0.5	
270	Learn to Navigate Autonomously through Deep Reinforcement Learning. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
269	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	1.6	1
268	Investigations on Water Imbibing into Oil-Saturated Nanoporous Media: Coupling Molecular Interactions, the Dynamic Contact Angle, and the Entrance Effect. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1872-1883	3.9	4
267	Immobilized polyphenol oxidase: Preparation, optimization and oxidation of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 233-244	7.9	10
266	Covalent organic framework photocatalysts: structures and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 4135-4165	58.5	243
265	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	3.5	6
264	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	3	1
263	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	5.5	16

262	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6434-6470	13	67
261	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	5.1	1
260	Rational and wide-range tuning of CNT aerogel conductors with multifunctionalities. <i>Nanoscale</i> , 2020 , 12, 13771-13780	7.7	1
259	Electrospinning/Spray: The Interaction between Graphene Nanosheets and Different Nanofibers. <i>Key Engineering Materials</i> , 2020 , 841, 82-86	0.4	
258	Micro Electrochemical Machining of Array Micro-Grooves Using In-Situ Disk Electrode Fabricated by Micro-WEDM. <i>Micromachines</i> , 2020 , 11,	3.3	6
257	Microlens Fabrication by Replica Molding of Electro-Hydrodynamic Printing Liquid Mold. <i>Micromachines</i> , 2020 , 11,	3.3	7
256	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	8.3	46
255	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	9.8	17
254	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	8.3	15
253	Groundwater contamination source identification based on a hybrid particle swarm optimization-extreme learning machine. <i>Journal of Hydrology</i> , 2020 , 584, 124657	6	23
252	Integrating the (311) facet of MnO and the functional groups of poly(m-phenylenediamine) in core-shell MnO@poly(m-phenylenediamine) adsorbent to remove Pb ions from water. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122154	12.8	17
251	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	5.3	9
250	Angelica Essential Oil Loaded Electrospun Gelatin Nanofibers for Active Food Packaging Application. <i>Polymers</i> , 2020 , 12,	4.5	20
249	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	13	95
248	Online Visual Place Recognition via Saliency Re-identification 2020 ,		4
247	Achieving Real-Time Path Planning in Unknown Environments Through Deep Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-10	6.1	5
246	GMC: Grid Based Motion Clustering in Dynamic Environment. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 1267-1280	0.4	
245	A novel combination of electrical discharge machining and electrodeposition for superamphiphobic metallic surface fabrication. <i>Applied Surface Science</i> , 2020 , 504, 144285	6.7	16

244	Road-Constrained Geometric Pose Estimation for Ground Vehicles. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 748-760	4.9	4
243	OriNet: Robust 3-D Orientation Estimation With a Single Particular IMU. <i>IEEE Robotics and Automation Letters</i> , 2020 , 5, 399-406	4.2	20
242	Pulse gas-assisted multi-needle electrospinning of nanofibers. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 98-113	8.7	12
241	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	5.7	18
240	Activation mechanism of lead ions in the flotation of sphalerite depressed with zinc sulfate. <i>Minerals Engineering</i> , 2020 , 146, 106132	4.9	37
239	Automatic detonator code recognition via deep neural network. <i>Expert Systems With Applications</i> , 2020 , 145, 113121	7.8	6
238	Integrated Computation and Preparation Optimization of In Situ Ordered Porous Aluminum Filled Tubes. <i>Materials Science Forum</i> , 2020 , 993, 857-862	0.4	
237	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	5.1	4
236	Influence of Large Framed Mold Placement in Autoclave on Heating Performance. <i>Applied Composite Materials</i> , 2020 , 27, 811-837	2	2
235	Facile Fabrication of a Superhydrophobic Surface with Robust Micro-/Nanoscale Hierarchical Structures on Titanium Substrate. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
234	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	3.9	6
233	Wearable Flexible Strain Sensor Based on Three-Dimensional Wavy Laser-Induced Graphene and Silicone Rubber. <i>Sensors</i> , 2020 , 20,	3.8	18
232	Studying the Stability and Conductivity of the Composite Films via Electrospinning/Spray Process. <i>Key Engineering Materials</i> , 2020 , 841, 76-81	0.4	
231	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	2.1	0
230	Multimodal Deep Fusion Network for Visibility Assessment With a Small Training Dataset. <i>IEEE Access</i> , 2020 , 8, 217057-217067	3.5	2
229	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection 2020 ,		34
228	A Brief Survey: Deep Reinforcement Learning in Mobile Robot Navigation 2020 ,		2
227	Detonator coded character spotting based on convolutional neural networks. <i>Signal, Image and Video Processing</i> , 2020 , 14, 67-75	1.6	4

226	From Local Understanding to Global Regression in Monocular Visual Odometry. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2020 , 34, 2055002	1.1	5
225	AbolDeepIO: A Novel Deep Inertial Odometry Network for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 1941-1950	6.1	25
224	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22848-22878	4.3	10
223	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	4.9	18
222	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	3.1	7
221	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	8.1	16
220	Compressive Properties of Aluminum Matrix Syntactic Foams Prepared by Stir Casting Method. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900183	3.5	19
219	Honey loaded alginate/PVA nanofibrous membrane as potential bioactive wound dressing. <i>Carbohydrate Polymers</i> , 2019 , 219, 113-120	10.3	113
218	TDPP-Net: Achieving three-dimensional path planning via a deep neural network architecture. <i>Neurocomputing</i> , 2019 , 357, 151-162	5.4	20
217	Depth-based Obstacle Avoidance through Deep Reinforcement Learning 2019 ,		4
216	Fabrication of Multiphase Particles and Grain Refinement of Al-Containing Magnesium. <i>Springer Proceedings in Physics</i> , 2019 , 607-614	0.2	
215	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	8
214	An Effective Optimization Scheme for ECG Signal Denoising via Low-Rank Matrix Decomposition. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 138-152	2.2	2
213	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32579-32598	9.5	62
212	Bipolar Log-Intensity-Variance Histogram Method for Local Image Patch Intensity Change Measurements. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-16	1.1	
211	Effect of copper ions on surface properties of ZnSO ₄ -depressed sphalerite and its response to flotation. <i>Separation and Purification Technology</i> , 2019 , 228, 115756	8.3	21
210	Multiple Object Tracking With Attention to Appearance, Structure, Motion and Size. <i>IEEE Access</i> , 2019 , 7, 104423-104434	3.5	55
209	DeepDSAIR: Deep 6-DOF camera relocalization using deblurred semantic-aware image representation for large-scale outdoor environments. <i>Image and Vision Computing</i> , 2019 , 89, 120-130	3.7	4

208	Investigation on the high-temperature ductility and fracture mechanisms of an in-situ particle reinforced Al matrix composite 7075Al/TiB ₂ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 764, 138263	5.3	9
207	Axial and radial compressive properties of alumina-aluminum matrix syntactic foam filled thin-walled tubes. <i>Composite Structures</i> , 2019 , 226, 111197	5.3	23
206	. <i>IEEE Sensors Journal</i> , 2019 , 19, 6298-6308	4	6
205	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120864	12.8	77
204	Maximum entropy searching. <i>CAAI Transactions on Intelligence Technology</i> , 2019 , 4, 1-8	9.7	12
203	Lactic acid as selective depressant for flotation separation of chalcopyrite from pyrite and its depression mechanism. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111774	6	10
202	M-Net: A Novel U-Net With Multi-Stream Feature Fusion and Multi-Scale Dilated Convolutions for Bile Ducts and Hepatolith Segmentation. <i>IEEE Access</i> , 2019 , 7, 148645-148657	3.5	7
201	Study on Fabrication and Compressive Properties of Mg/Al-Ordered Structure Composites. <i>Springer Proceedings in Physics</i> , 2019 , 453-461	0.2	
200	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	3.6	1
199	Analysis on the Information Management of Social Security. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 688, 055005	0.4	
198	Towards Utilizing Deep Uncertainty In Traditional SLAM 2019 ,		1
197	Influence and evaluation of array-nozzle geometry on near- field electrospinning direct writing. <i>Journal of Engineered Fibers and Fabrics</i> , 2019 , 14, 155892501989564	0.9	1
196	MPC-based Unified Trajectory Planning and Tracking Control Approach for Automated Guided Vehicles* 2019 ,		5
195	Energy Minimization Approach for Negative Obstacle Region Detection. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11668-11678	6.8	4
194	An Improved Bare Bone Multi-Objective Particle Swarm Optimization Algorithm for Solar Thermal Power Plants. <i>Energies</i> , 2019 , 12, 4480	3.1	2
193	Fast Loop Closure Detection via Binary Content 2019 ,		2
192	Wide-Baseline Obstacle Mapping Using Monocular Camera for Unmanned Surface Vehicle 2019 ,		3
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86	A Gaussian Particle Filter based Factorised Solution to the Simultaneous Localization and Mapping problem 2013 ,		3
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10	A hierarchical genetic algorithm for path planning in a static environment with obstacles			3
9	Adaptive state estimation for 4-wheel steerable industrial vehicles			1
8				6
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