Shan Liu

List of Publications by Year
in descending order

49 papers	1,456 citations	759233 12 h-index	642732 23 g-index
49 all docs	49 docs citations	49 times ranked	1552 citing authors

#	Article	IF	Citations
1	Tuning the microstructure of <scp>SMA</scp>/<scp>CPVC</scp> membrane for enhanced separation performance by adjusting the coagulation bath temperature. Journal of Applied Polymer Science, 2022, 139, .	2.6	3
2	Flexibly Controlling the Polycrystallinity and Improving the Foaming Behavior of Polylactic Acid via Three Strategies. ACS Omega, 2022, 7, 6248-6260.	3.5	12
3	MOF derived porous Ni/Co@C nanocomposite as electromagnetic wave absorber with optimized impedance matching. Composites Communications, 2022, 33, 101196.	6.3	14
4	Preparation of polyamide 12 powder for additive manufacturing applications via thermally induced phase separation. E-Polymers, 2022, 22, 553-565.	3.0	0
5	Mask-based Object Pose Estimation with Domain Transfer. , 2021, , .		0
6	Grasping Detection Based on YOLOv3 Algorithm. , 2021, , .		3
7	Lightweight high-performance carbon-polymer nanocomposites for electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2021, 145, 106376.	7.6	126
8	Enhanced mechanical and biodegradable properties of PBAT/lignin composites via silane grafting and reactive extrusion. Composites Part B: Engineering, 2021, 220, 108980.	12.0	63
9	Speed profile optimisation for intelligent vehicles in dynamic traffic scenarios. International Journal of Systems Science, 2020, 51, 2167-2180.	5.5	3
10	Current applications of poly(lactic acid) composites in tissue engineering and drug delivery. Composites Part B: Engineering, 2020, 199, 108238.	12.0	277
11	RRT Based Obstacle Avoidance Path Planning for 6-DOF Manipulator. , 2020, , .		4
12	RGBD Object Recognition and Flat Area Analysis Method for Manipulator Grasping. , 2020, , .		1
13	Fast and Robust Bin-picking System for Densely Piled Industrial Objects. , 2020, , .		3
14	Structured Light Based High Precision 3D Measurement and Workpiece Pose Estimation. , 2019, , .		4
15	Betel Nut Classification Method Based on Transfer Learning. , 2019, , .		3
16	A review of extending performance of epoxy resins using carbon nanomaterials. Composites Part B: Engineering, 2018, 136, 197-214.	12.0	326
17	Stacking Objects Picking System Based on Structured Light. , 2018, , .		3
18	Velocity Decomposition Based Planning Algorithm for Grasping Moving Object. , 2018, , .		4

#	Article	IF	Citations
19	RRT based Path Planning for Autonomous Parking of Vehicle. , 2018, , .		28
20	Asymptotical RRT-Based Path Planning for Mobile Robots in Dynamic Environments. , 2018, , .		5
21	Activated carbon derived from bio-waste hemp hurd and retted hemp hurd for CO_2 adsorption. Composites Communications, 2017, 5, 27-30.	6.3	35
22	Visual servo control for wheeled robot platooning based on homography. , 2017, , .		5
23	Effects of Wood Fiber Size on the Performance of Biodegradable Foam. Journal of Biobased Materials and Bioenergy, 2017, 11, 206-209.	0.3	2
24	Preâ€Actuation and Optimal State Transition Based Precise Tracking for Maximum Phase System. Asian Journal of Control, 2016, 18, 1728-1738.	3.0	4
25	Previous best input based first order D-type iterative learning control for nonlinear system with high order relative degree. , 2016, , .		2
26	Synergistic flame retardancy effect of graphene nanosheets and traditional retardants on epoxy resin. Composites Part A: Applied Science and Manufacturing, 2016, 89, 26-32.	7.6	103
27	Output tracking combing output redefinition and non-causal stable inversion for non-minimum systems. , 2016, , .		2
28	A progressive framework for dense stereo matching. Pattern Recognition and Image Analysis, 2016, 26, 294-301.	1.0	3
29	Superior flame retardancy of epoxy resin by the combined addition of graphene nanosheets and DOPO. RSC Advances, 2016, 6, 5288-5295.	3.6	81
30	Iterative learning control for flexible manipulator using fourier basis function. International Journal of Automation and Computing, 2015, 12, 639-647.	4.5	5
31	Switched visual servo control of nonholonomic mobile robots with field-of-view constraints based on homography. Control Theory and Technology, 2015, 13, 311-320.	1.6	9
32	Visual trajectory tracking of industrial manipulator with iterative learning control. Industrial Robot, 2015, 42, 54-63.	2.1	25
33	An iterative learning control method for nonlinear systems with randomly varying trial lengths. , 2015, , .		1
34	Vision-Based Iterative Trajectory Tracking for Industrial Manipulators. Unmanned Systems, 2015, 03, 291-298.	3.6	0
35	HOMOGRAPHY-BASED VISUAL PREDICTIVE CONTROL OF TRACKED MOBILE ROBOT WITH FIELD-OF-VIEW CONSTRAINTS. International Journal of Robotics and Automation, 2015, 30, .	0.1	1
36	Basis function based adaptive iterative learning control for flexible manipulator. , 2014, , .		2

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37	Effect of graphene nanosheets on morphology, thermal stability and flame retardancy of epoxy resin. Composites Science and Technology, 2014, 90, 40-47.	7.8	208
38	Effect of graphene nanosheets and layered double hydroxides on the flame retardancy and thermal degradation of epoxy resin. RSC Advances, 2014, 4, 18652-18659.	3.6	60
39	Homography-based trajectory tracking of industrial manipulator with iterative learning control. , 2014, , .		1
40	Unknown Objects Grasp Planning Using Force/Torque Measurements. Advances in Intelligent and Soft Computing, 2012, , 741-749.	0.2	1
41	Reactive Compatibilization of Poly(Butylene Terephthalate)/Acrylonitrile-Styrene-Acrylate Blends by Epoxy Resin: Morphology and Mechanical Properties. Journal of Macromolecular Science - Physics, 2011, 50, 1780-1790.	1.0	16
42	A Scilab/Scicos-based modeling and simulation toolbox for flexible manipulator. , 2009, , .		2
43	Robust Iterative Learning Control against Disturbances and Initialization Errors for Uncertain Plants. , 2006, , .		0
44	An Open-Closed-Loop Gradient-Type ILC Combined with Infinite Time Optimal Output LQR. , 2006, , .		0
45	Robust Iterative Learning Control Design Based on Gradient Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 613-618.	0.4	4
46	Direct adaptive control of unknown nonlinear systems using wavelet approximation. , 0, , .		2
47	Iterative learning control with an optimality criterion. , 0, , .		0
48	Development and expectation for iterative learning control. , 0, , .		0
49	Iterative learning control for stretch reducing process of seamless pipe. , 0, , .		0