

Shan Liu

List of Publications by Year in descending order

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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	A review of extending performance of epoxy resins using carbon nanomaterials. Composites Part B: Engineering, 2018, 136, 197-214.	12.0	326
2	Current applications of poly(lactic acid) composites in tissue engineering and drug delivery. Composites Part B: Engineering, 2020, 199, 108238.	12.0	277
3	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
4	Lightweight high-performance carbon-polymer nanocomposites for electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2021, 145, 106376.	7.6	126
5	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
6	Superior flame retardancy of epoxy resin by the combined addition of graphene nanosheets and DOPO. RSC Advances, 2016, 6, 5288-5295.	3.6	81
7	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
8	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
9	Activated carbon derived from bio-waste hemp hurd and retted hemp hurd for CO2 adsorption. Composites Communications, 2017, 5, 27-30.	6.3	35
10	RRT based Path Planning for Autonomous Parking of Vehicle. , 2018, , .		28
11	Visual trajectory tracking of industrial manipulator with iterative learning control. Industrial Robot, 2015, 42, 54-63.	2.1	25
12	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
13	MOF derived porous Ni/Co@C nanocomposite as electromagnetic wave absorber with optimized impedance matching. Composites Communications, 2022, 33, 101196.	6.3	14
14	Flexibly Controlling the Polycrystallinity and Improving the Foaming Behavior of Polylactic Acid via Three Strategies. ACS Omega, 2022, 7, 6248-6260.	3.5	12
15	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
16	Iterative learning control for flexible manipulator using fourier basis function. International Journal of Automation and Computing, 2015, 12, 639-647.	4.5	5
17	Visual servo control for wheeled robot platooning based on homography. , 2017, , .		5
18	Asymptotical RRT-Based Path Planning for Mobile Robots in Dynamic Environments. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	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
20	Pre-actuation and Optimal State Transition Based Precise Tracking for Maximum Phase System. Asian Journal of Control, 2016, 18, 1728-1738.	3.0	4
21	Velocity Decomposition Based Planning Algorithm for Grasping Moving Object. , 2018, , .		4
22	Structured Light Based High Precision 3D Measurement and Workpiece Pose Estimation. , 2019, , .		4
23	RRT Based Obstacle Avoidance Path Planning for 6-DOF Manipulator. , 2020, , .		4
24	A progressive framework for dense stereo matching. Pattern Recognition and Image Analysis, 2016, 26, 294-301.	1.0	3
25	Stacking Objects Picking System Based on Structured Light. , 2018, , .		3
26	Betel Nut Classification Method Based on Transfer Learning. , 2019, , .		3
27	Speed profile optimisation for intelligent vehicles in dynamic traffic scenarios. International Journal of Systems Science, 2020, 51, 2167-2180.	5.5	3
28	Grasping Detection Based on YOLOv3 Algorithm. , 2021, , .		3
29	Fast and Robust Bin-picking System for Densely Piled Industrial Objects. , 2020, , .		3
30	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
31	Direct adaptive control of unknown nonlinear systems using wavelet approximation. , 0, , .		2
32	A Scilab/Scicos-based modeling and simulation toolbox for flexible manipulator. , 2009, , .		2
33	Basis function based adaptive iterative learning control for flexible manipulator. , 2014, , .		2
34	Previous best input based first order D-type iterative learning control for nonlinear system with high order relative degree. , 2016, , .		2
35	Output tracking combining output redefinition and non-causal stable inversion for non-minimum systems. , 2016, , .		2
36	Effects of Wood Fiber Size on the Performance of Biodegradable Foam. Journal of Biobased Materials and Bioenergy, 2017, 11, 206-209.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Homography-based trajectory tracking of industrial manipulator with iterative learning control. , 2014, , .		1
38	An iterative learning control method for nonlinear systems with randomly varying trial lengths. , 2015, , .		1
39	Unknown Objects Grasp Planning Using Force/Torque Measurements. Advances in Intelligent and Soft Computing, 2012, , 741-749.	0.2	1
40	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
41	RGBD Object Recognition and Flat Area Analysis Method for Manipulator Grasping. , 2020, , .		1
42	Iterative learning control with an optimality criterion. , 0, , .		0
43	Development and expectation for iterative learning control. , 0, , .		0
44	Iterative learning control for stretch reducing process of seamless pipe. , 0, , .		0
45	Robust Iterative Learning Control against Disturbances and Initialization Errors for Uncertain Plants. , 2006, , .		0
46	An Open-Closed-Loop Gradient-Type ILC Combined with Infinite Time Optimal Output LQR. , 2006, , .		0
47	Vision-Based Iterative Trajectory Tracking for Industrial Manipulators. Unmanned Systems, 2015, 03, 291-298.	3.6	0
48	Mask-based Object Pose Estimation with Domain Transfer. , 2021, , .		0
49	Preparation of polyamide 12 powder for additive manufacturing applications via thermally induced phase separation. E-Polymers, 2022, 22, 553-565.	3.0	0