

Jing Xiao

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

126
papers

2,292
citations

24
h-index

44
g-index

159
ext. papers

2,982
ext. citations

6.4
avg, IF

5.16
L-index

#	Paper	IF	Citations
126	Towards Accurate Loop Closure Detection in Semantic SLAM With 3D Semantic Covisibility Graphs. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 2455-2462	4.2	1
125	High Level of Serum Uric Acid induced Monocyte Inflammation is Related to Coronary Calcium Deposition in the Middle-Aged and Elder Population of China: A Five-year Prospective Cohort Study.. <i>Journal of Inflammation Research</i> , 2022 , 15, 1859-1872	4.8	1
124	Multi-Institutional Validation of Two-Streamed Deep Learning Method for Automated Delineation of Esophageal Gross Tumor Volume Using Planning CT and FDG-PET/CT.. <i>Frontiers in Oncology</i> , 2021 , 11, 785788	5.3	1
123	A novel mechanism of controlling ultramicropore size in carbons at sub-angstrom level for molecular sieving of propylene/propane mixtures. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 23873-23881	13	2
122	Semantic SLAM with Autonomous Object-Level Data Association 2021 ,		5
121	Adsorption Property of Starch-Based Microporous Carbon Materials with High Selectivity and Uptake for C1/C2/C3 Separation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4668-4676	3.9	2
120	Ultramicroporous carbons featuring sub-angstrom tunable apertures for the selective separation of light hydrocarbon. <i>AIChE Journal</i> , 2021 , 67, e17285	3.6	6
119	Deep Learning for Fully Automated Prediction of Overall Survival in Patients with Oropharyngeal Cancer Using FDG-PET Imaging. <i>Clinical Cancer Research</i> , 2021 , 27, 3948-3959	12.9	8
118	Gegen Qinlian Decoction Ameliorates Hyperuricemia-Induced Renal Tubular Injury via Blocking the Inflammatory Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2021 , 12, 665398	5.6	2
117	EEG Correlates of Sustained Attention Variability during Discrete Multi-finger Force Control Tasks. <i>IEEE Transactions on Haptics</i> , 2021 , 14, 526-537	2.7	1
116	A disentangled generative model for disease decomposition in chest X-rays via normal image synthesis. <i>Medical Image Analysis</i> , 2021 , 67, 101839	15.4	13
115	The Association between Urinary Glucose and Renal Uric Acid Excretion in Non-diabetic Patients with Stage 1-2 Chronic Kidney Disease. <i>Endocrine Research</i> , 2021 , 46, 28-36	1.9	1
114	DeepTarget: Gross tumor and clinical target volume segmentation in esophageal cancer radiotherapy. <i>Medical Image Analysis</i> , 2021 , 68, 101909	15.4	15
113	DeepStationing: Thoracic Lymph Node Station Parsing in CT Scans Using Anatomical Context Encoding and Key Organ Auto-Search. <i>Lecture Notes in Computer Science</i> , 2021 , 3-12	0.9	3
112	Modification and Validation of the Phosphate Removal Model: A Multicenter Study. <i>Kidney and Blood Pressure Research</i> , 2021 , 46, 53-62	3.1	0
111	The added value of an artificial intelligence system in assisting radiologists on indeterminate BI-RADS 0 mammograms. <i>European Radiology</i> , 2021 , 1	8	1
110	DeepPrognosis: Preoperative prediction of pancreatic cancer survival and surgical margin via comprehensive understanding of dynamic contrast-enhanced CT imaging and tumor-vascular contact parsing. <i>Medical Image Analysis</i> , 2021 , 73, 102150	15.4	2

109	MommiNet-v2: Mammographic multi-view mass identification networks. <i>Medical Image Analysis</i> , 2021 , 73, 102204	15.4	9
108	Upgrading of thiophenic compounds from fuels over a silver-modified MoO ₃ catalyst under ambient conditions. <i>Fuel</i> , 2021 , 303, 121316	7.1	0
107	Clinical classification of hyperuricemia in patients with chronic kidney disease. <i>International Urology and Nephrology</i> , 2021 , 53, 1665-1674	2.3	
106	The urinary Γ microglobulin-creatinine ratio is inversely associated with lumbar spine bone mineral density in the elderly Chinese males. <i>Archives of Osteoporosis</i> , 2020 , 15, 90	2.9	1
105	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. <i>Chemical Engineering Science</i> , 2020 , 220, 115636	4.4	13
104	Association of serum uric acid with thyroid function in health check-up participants. <i>Chinese Medical Journal</i> , 2020 , 133, 1409-1414	2.9	3
103	The association of urinary uric acid excretion with ambulatory blood pressure values in patients with chronic kidney disease. <i>Clinical Hypertension</i> , 2020 , 26, 4	4.8	0
102	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH ₄ uptake by in situ ionic activation. <i>AIChE Journal</i> , 2020 , 66, e16231	3.6	13
101	The association of renal tubular inflammatory and injury markers with uric acid excretion in chronic kidney disease patients. <i>International Urology and Nephrology</i> , 2020 , 52, 923-932	2.3	1
100	Automated abnormality classification of chest radiographs using deep convolutional neural networks. <i>Npj Digital Medicine</i> , 2020 , 3, 70	15.7	55
99	From community-acquired pneumonia to COVID-19: a deep learning-based method for quantitative analysis of COVID-19 on thick-section CT scans. <i>European Radiology</i> , 2020 , 30, 6828-6837	8	45
98	Efficacy of different urinary uric acid indicators in patients with chronic kidney disease. <i>BMC Nephrology</i> , 2020 , 21, 290	2.7	2
97	Reducing Uncertainty in Pose Estimation under Complex Contacts via Force Forecast 2020 ,		2
96	A Visuo-Haptic Attention Training Game With Dynamic Adjustment of Difficulty. <i>IEEE Access</i> , 2019 , 7, 68878-68891	3.5	8
95	An Autonomous Loop-Closure Approach for Simultaneous Exploration and Coverage of Unknown Infrastructure Using MAVs 2019 ,		2
94	Navigating Dynamically Unknown Environments Leveraging Past Experience 2019 ,		2
93	SGK1 Attenuates Oxidative Stress-Induced Renal Tubular Epithelial Cell Injury by Regulating Mitochondrial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 2013594	6.7	7
92	AMPK alleviates high uric acid-induced Na-K-ATPase signaling impairment and cell injury in renal tubules. <i>Experimental and Molecular Medicine</i> , 2019 , 51, 1-14	12.8	12

91	Comparison and development of machine learning tools in the prediction of chronic kidney disease progression. <i>Journal of Translational Medicine</i> , 2019 , 17, 119	8.5	61
90	Real-Time Conflict Resolution of Task-Constrained Manipulator Motion in Unforeseen Dynamic Environments. <i>IEEE Transactions on Robotics</i> , 2019 , 35, 1276-1283	6.5	5
89	Adiponectin protects against uric acid-induced renal tubular epithelial inflammatory responses via the AdipoR1/AMPK signaling pathway. <i>International Journal of Molecular Medicine</i> , 2019 , 43, 1542-1552	4.4	7
88	Novel room-temperature synthesis of MIL-100(Fe) and its excellent adsorption performances for separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , 2019 , 355, 679-686	14.7	37
87	Novel glucosamine-based carbon adsorbents with high capacity and its enhanced mechanism of preferential adsorption of C ₂ H ₆ over C ₂ H ₄ . <i>Chemical Engineering Journal</i> , 2019 , 358, 1114-1125	14.7	33
86	Glycine-Modified HKUST-1 with Simultaneously Enhanced Moisture Stability and Improved Adsorption for Light Hydrocarbons Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1557-1563	8.2	21
85	Ischemic preconditioning attenuates ischemia/reperfusion-induced kidney injury by activating autophagy via the SGK1 signaling pathway. <i>Cell Death and Disease</i> , 2018 , 9, 338	9.8	43
84	Impaired Na-K-ATPase signaling in renal proximal tubule contributes to hyperuricemia-induced renal tubular injury. <i>Experimental and Molecular Medicine</i> , 2018 , 50, e452	12.8	24
83	Urinary excretion of uric acid is negatively associated with albuminuria in patients with chronic kidney disease: a cross-sectional study. <i>BMC Nephrology</i> , 2018 , 19, 95	2.7	10
82	Novel asphalt-based carbon adsorbents with super-high adsorption capacity and excellent selectivity for separation for light hydrocarbons. <i>Separation and Purification Technology</i> , 2018 , 190, 60-67	8.3	20
81	The Association of Urinary Sodium and Potassium with Renal Uric Acid Excretion in Patients with Chronic Kidney Disease. <i>Kidney and Blood Pressure Research</i> , 2018 , 43, 1310-1321	3.1	5
80	Uric acid upregulates the adiponectin-adiponectin receptor pathway in renal proximal tubule epithelial cells. <i>Molecular Medicine Reports</i> , 2018 , 17, 3545-3554	2.9	13
79	Ischemic Preconditioning Promotes Autophagy and Alleviates Renal Ischemia/Reperfusion Injury. <i>BioMed Research International</i> , 2018 , 2018, 8353987	3	19
78	Can a Continuum Manipulator Fetch an Object in an Unknown Cluttered Space?. <i>IEEE Robotics and Automation Letters</i> , 2017 , 2, 2-9	4.2	8
77	Progressive object modeling with a continuum manipulator in unknown environments 2017 ,		3
76	Toll-like Receptor 4 Signaling Pathway in the Protective Effect of Pioglitazone on Experimental Immunoglobulin A Nephropathy. <i>Chinese Medical Journal</i> , 2017 , 130, 906-913	2.9	9
75	Serum uric acid is associated with lumbar spine bone mineral density in healthy Chinese males older than 50 years. <i>Clinical Interventions in Aging</i> , 2017 , 12, 445-452	4	16
74	Shape-based object classification and recognition through continuum manipulation 2017 ,		4

73	Model-based testing of a real-time adaptive motion planning system. <i>Advanced Robotics</i> , 2017 , 31, 1159-1176	11.76	2
72	Surface-Based Detection and 6-DoF Pose Estimation of 3-D Objects in Cluttered Scenes. <i>IEEE Transactions on Robotics</i> , 2016 , 32, 1347-1361	6.5	10
71	Progressive Planning of Continuum Grasping in Cluttered Space. <i>IEEE Transactions on Robotics</i> , 2016 , 32, 707-716	6.5	19
70	Catalytic adsorptive desulfurization of model diesel fuel using TiO ₂ /SBA-15 under mild conditions. <i>Fuel</i> , 2016 , 174, 118-125	7.1	56
69	A novel carbonized polydopamine (C-PDA) adsorbent with high CO ₂ adsorption capacity and water vapor resistance. <i>AIChE Journal</i> , 2016 , 62, 3730-3738	3.6	31
68	An efficient algorithm for real time collision detection involving a continuum manipulator with multiple uniform-curvature sections. <i>Robotica</i> , 2016 , 34, 1566-1586	2.1	8
67	Model-based testing of real-time adaptive motion planning (RAMP) 2016 ,		2
66	Real-time adaptive non-holonomic motion planning in unforeseen dynamic environments 2016 ,		6
65	Motion for Manipulation Tasks 2016 , 897-930		4
64	Soluble monosodium urate, but not its crystal, induces toll like receptor 4-dependent immune activation in renal mesangial cells. <i>Molecular Immunology</i> , 2015 , 66, 310-8	4.3	32
63	Crosstalk between peroxisome proliferator-activated receptor- α and mineralcorticoid receptor in TNF- α activated renal tubular cell. <i>Inflammation Research</i> , 2015 , 64, 603-14	7.2	2
62	A general formulation and approach to constrained, continuum manipulation. <i>Advanced Robotics</i> , 2015 , 29, 889-899	1.7	8
61	Peroxisome proliferator-activated receptor β prevents the production of NOD-like receptor family, pyrin domain containing 3 inflammasome and interleukin 1 β in HK-2 renal tubular epithelial cells stimulated by monosodium urate crystals. <i>Molecular Medicine Reports</i> , 2015 , 12, 6221-6	2.9	18
60	Soluble uric acid increases NALP3 inflammasome and interleukin-1 β expression in human primary renal proximal tubule epithelial cells through the Toll-like receptor 4-mediated pathway. <i>International Journal of Molecular Medicine</i> , 2015 , 35, 1347-54	4.4	72
59	Effect of gasoline composition on oxidative desulfurization using a phosphotungstic acid/activated carbon catalyst with hydrogen peroxide. <i>Applied Energy</i> , 2014 , 113, 78-85	10.7	190
58	Toward In-Vivo Force and Motion Measurement for Vascular Surgery. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 1975-1982	5.2	14
57	Surface-based general 3D object detection and pose estimation 2014 ,		2
56	Angiotensin-(1-7) attenuates damage to podocytes induced by preeclamptic serum through MAPK pathways. <i>International Journal of Molecular Medicine</i> , 2014 , 34, 1057-64	4.4	15

55	Task-constrained continuum manipulation in cluttered space 2014 ,		8
54	Reducing uncertainty in robotic surface assembly tasks based on contact information 2014 ,		3
53	Combined biomarkers evaluation for diagnosing kidney injury in preeclampsia. <i>Hypertension in Pregnancy</i> , 2013 , 32, 439-49	2	27
52	Robotic surface assembly via contact state transitions 2013 ,		7
51	Air-Promoted Adsorptive Desulfurization over Ti _{0.9} Ce _{0.1} O ₂ Mixed Oxides from Diesel Fuel under Ambient Conditions. <i>ChemCatChem</i> , 2013 , 5, 3582-3586	5.2	17
50	3D Object Detection Based on Geometrical Segmentation 2013 ,		2
49	Progressive generation of force-closure grasps for an n-section continuum manipulator 2013 ,		7
48	Six degree-of-freedom haptic simulation of periodontal pathological changes 2012 ,		4
47	Six-degree-of-freedom haptic simulation of organ deformation in dental operations 2012 ,		5
46	Exact and efficient Collision Detection for a multi-section Continuum Manipulator 2012 ,		7
45	Configuration-based optimization for six degree-of-freedom haptic rendering for fine manipulation 2011 ,		14
44	Configuration-based optimization for six degree-of-freedom haptic rendering using sphere-trees 2011 ,		1
43	Real-time adaptive motion planning for a continuum manipulator 2010 ,		10
42	Perceiving guaranteed continuously collision-free robot trajectories in an unknown and unpredictable environment 2009 ,		6
41	On-line planning of nonholonomic trajectories in crowded and geometrically unknown environments 2009 ,		1
40	Intelligent pursuit & evasion in an unknown environment 2009 ,		2
39	Motion for Manipulation Tasks 2008 , 615-645		22
38	Automatic Generation of High-level Contact State Space between 3D Curved Objects. <i>International Journal of Robotics Research</i> , 2008 , 27, 832-854	5.7	11

37	Efficient and effective grasping of novel objects through learning and adapting a knowledge base 2008,		35
36	Multi-View AAM Fitting and Construction. <i>International Journal of Computer Vision</i> , 2008 , 76, 183-204	10.6	16
35	Integration of planning and execution in force controlled compliant motion. <i>Robotics and Autonomous Systems</i> , 2008 , 56, 437-450	3.5	13
34	Contact and Deformation Modeling for Interactive Environments 2007 , 23, 416-430		15
33	Real-time Motion Planning of Multiple Mobile Manipulators with a Common Task Objective in Shared Work Environments. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		6
32	Automatic Generation of A High-level Contact State Graph for Assembly between Curved Objects 2007 ,		1
31	2D vs. 3D Deformable Face Models: Representational Power, Construction, and Real-Time Fitting. <i>International Journal of Computer Vision</i> , 2007 , 75, 93-113	10.6	65
30	Real-time tight coordination of mobile manipulators in unknown dynamic environments 2007 ,		2
29	Real-time and Accurate Multiple Contact Detection between General Curved Objects 2006 ,		1
28	Haptic Simulation for Micro/Nano-Scale Optical Fiber Assembly 2006 ,		2
27	Meticulously detailed eye region model and its application to analysis of facial images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006 , 28, 738-52	13.3	53
26	A Closed-Form Solution to Non-Rigid Shape and Motion Recovery. <i>International Journal of Computer Vision</i> , 2006 , 67, 233-246	10.6	111
25	Active compliant motion: a survey. <i>Advanced Robotics</i> , 2005 , 19, 479-499	1.7	50
24	Multi-view AAM fitting and camera calibration 2005 ,		27
23	Integration of planning and execution in force controlled compliant motion 2005 ,		12
22	A Closed-Form Solution to Non-rigid Shape and Motion Recovery. <i>Lecture Notes in Computer Science</i> , 2004 , 573-587	0.9	63
21	Semantic principal video shot classification via mixture Gaussian 2003 ,		1
20	Robust Full-Motion Recovery of Head by Dynamic Templates and Re-registration Techniques. <i>International Journal of Imaging Systems and Technology</i> , 2003 , 13, 85-94	2.5	108

19	Evolutionary robotics: the biology, intelligence, and technology of self-organizing machines [Book Review]. <i>IEEE Transactions on Evolutionary Computation</i> , 2001 , 5, 429-430	15.6	
18	Contact constraint analysis and determination of geometrically valid contact formations from possible contact primitives. <i>IEEE Transactions on Automation Science and Engineering</i> , 1997 , 13, 456-466		17
17	Adaptive evolutionary planner/navigator for mobile robots. <i>IEEE Transactions on Evolutionary Computation</i> , 1997 , 1, 18-28	15.6	240
16	Toward obtaining all possible contacts-growing a polyhedron by its location uncertainty. <i>IEEE Transactions on Automation Science and Engineering</i> , 1996 , 12, 553-565		10
15	Adding memory to the Evolutionary Planner/Navigator		10
14	Automatic generation of contact state graphs based on curvature monotonic segmentation		2
13	Geometric Properties of Contacts Involving a Deformable Object		2
12	Non-rigid shape and motion recovery: degenerate deformations		3
11	Meticulously detailed eye model and its application to analysis of facial image		6
10	Multimodal coordination of facial action, head rotation, and eye motion during spontaneous smiles		23
9	Real-time combined 2D+3D active appearance models		12
8	Real-time adaptive and trajectory-optimized manipulator motion planning		8
7	A New Formalism to Characterize Contact States Involving Articulated Polyhedral Objects		1
6	Planning motion compliant to complex contact states		1
5	Automatic recognition of eye blinking in spontaneously occurring behavior		16
4	Robust full-motion recovery of head by dynamic templates and re-registration techniques		26
3	Vehicle sequencing based on evolutionary computation		2
2	A geometric simulator SimRep for testing the replanning approach toward assembly motions in the presence of uncertainties		2

1 Derivation of contact states from geometric models of objects

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