Jing Xiao

List of Publications by Citations

126	2,292	24	44
papers	citations	h-index	g-index
159	2,982	6.4	5.16
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
126	Adaptive evolutionary planner/navigator for mobile robots. *IEEE Transactions on Evolutionary Computation*, **1997**, 1, 18-28	15.6	240
125	Effect of gasoline composition on oxidative desulfurization using a phosphotungstic acid/activated carbon catalyst with hydrogen peroxide. *Applied Energy*, **2014**, 113, 78-85	10.7	190
124	A Closed-Form Solution to Non-Rigid Shape and Motion Recovery. *International Journal of Computer Vision*, **2006**, 67, 233-246	10.6	111
123	Robust Full-Motion Recovery of Head by Dynamic Templates and Re-registration Techniques. *International Journal of Imaging Systems and Technology*, **2003**, 13, 85-94	2.5	108
122	Soluble uric acid increases NALP3 inflammasome and interleukin-1 expression in human primary renal proximal tubule epithelial cells through the Toll-like receptor 4-mediated pathway. *International Journal of Molecular Medicine*, **2015**, 35, 1347-54	4.4	72
121	2D vs. 3D Deformable Face Models: Representational Power, Construction, and Real-Time Fitting. *International Journal of Computer Vision*, **2007**, 75, 93-113	10.6	65
120	A Closed-Form Solution to Non-rigid Shape and Motion Recovery. *Lecture Notes in Computer Science* , **2004**, 573-587	0.9	63
119	Comparison and development of machine learning tools in the prediction of chronic kidney disease progression. *Journal of Translational Medicine*, **2019**, 17, 119	8.5	61
118	Catalytic adsorptive desulfurization of model diesel fuel using TiO2/SBA-15 under mild conditions. *Fuel*, **2016**, 174, 118-125	7.1	56
117	Automated abnormality classification of chest radiographs using deep convolutional neural networks. *Npj Digital Medicine*, **2020**, 3, 70	15.7	55
116	Meticulously detailed eye region model and its application to analysis of facial images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 738-52	13.3	53
115	Active compliant motion: a survey. *Advanced Robotics*, **2005**, 19, 479-499	1.7	50
114	From community-acquired pneumonia to COVID-19: a deep learning-based method for quantitative analysis of COVID-19 on thick-section CT scans. *European Radiology*, **2020**, 30, 6828-6837	8	45
113	Ischemic preconditioning attenuates ischemia/reperfusion-induced kidney injury by activating autophagy via the SGK1 signaling pathway. *Cell Death and Disease*, **2018**, 9, 338	9.8	43
112	Novel room-temperature synthesis of MIL-100(Fe) and its excellent adsorption performances for separation of light hydrocarbons. *Chemical Engineering Journal*, **2019**, 355, 679-686	14.7	37
111	Efficient and effective grasping of novel objects through learning and adapting a knowledge base **2008**,		35
110	Novel glucosamine-based carbon adsorbents with high capacity and its enhanced mechanism of preferential adsorption of C2H6 over C2H4. *Chemical Engineering Journal*, **2019**, 358, 1114-1125	14.7	33

109	Soluble monosodium urate, but not its crystal, induces toll like receptor 4-dependent immune activation in renal mesangial cells. *Molecular Immunology*, **2015**, 66, 310-8	4.3	32
108	A novel carbonized polydopamine (C-PDA) adsorbent with high CO2 adsorption capacity and water vapor resistance. *AICHE Journal*, **2016**, 62, 3730-3738	3.6	31
107	Combined biomarkers evaluation for diagnosing kidney injury in preeclampsia. *Hypertension in Pregnancy*, **2013**, 32, 439-49	2	27
106	Multi-view AAM fitting and camera calibration **2005**,		27
105	Robust full-motion recovery of head by dynamic templates and re-registration techniques		26
104	Impaired Na-K-ATPase signaling in renal proximal tubule contributes to hyperuricemia-induced renal tubular injury. *Experimental and Molecular Medicine*, **2018**, 50, e452	12.8	24
103	Multimodal coordination of facial action, head rotation, and eye motion during spontaneous smiles		23
102	Motion for Manipulation Tasks **2008**, 615-645		22
101	Glycine-Modified HKUST-1 with Simultaneously Enhanced Moisture Stability and Improved Adsorption for Light Hydrocarbons Separation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1557-1563	8.3	21
100	Novel asphalt-based carbon adsorbents with super-high adsorption capacity and excellent selectivity for separation for light hydrocarbons. *Separation and Purification Technology*, **2018**, 190, 60-67	8.3	20
99	Progressive Planning of Continuum Grasping in Cluttered Space. *IEEE Transactions on Robotics*, **2016**, 32, 707-716	6.5	19
98	Ischemic Preconditioning Promotes Autophagy and Alleviates Renal Ischemia/Reperfusion Injury. *BioMed Research International*, **2018**, 2018, 8353987	3	19
97	Peroxisome proliferator-activated receptor □prevents the production of NOD-like receptor family, pyrin domain containing 3 inflammasome and interleukin 1□in HK-2 renal tubular epithelial cells stimulated by monosodium urate crystals. *Molecular Medicine Reports*, **2015**, 12, 6221-6	2.9	18
96	Air-Promoted Adsorptive Desulfurization over Ti0.9Ce0.1O2 Mixed Oxides from Diesel Fuel under Ambient Conditions. *ChemCatChem*, **2013**, 5, 3582-3586	5.2	17
95	Contact constraint analysis and determination of geometrically valid contact formations from possible contact primitives. *IEEE Transactions on Automation Science and Engineering*, **1997**, 13, 456-466		17
94	Serum uric acid is associated with lumbar spine bone mineral density in healthy Chinese males older than 50 years. *Clinical Interventions in Aging*, **2017**, 12, 445-452	4	16
93	Multi-View AAM Fitting and Construction. *International Journal of Computer Vision*, **2008**, 76, 183-204	10.6	16
92	Automatic recognition of eye blinking in spontaneously occurring behavior		16

91	Angiotensin-(1-7) attenuates damage to podocytes induced by preeclamptic serum through MAPK pathways. *International Journal of Molecular Medicine*, **2014**, 34, 1057-64	4.4	15
90	Contact and Deformation Modeling for Interactive Environments **2007**, 23, 416-430		15
89	DeepTarget: Gross tumor and clinical target volume segmentation in esophageal cancer radiotherapy. *Medical Image Analysis*, **2021**, 68, 101909	15.4	15
88	Toward In-Vivo Force and Motion Measurement for Vascular Surgery. *IEEE Transactions on Instrumentation and Measurement*, **2014**, 63, 1975-1982	5.2	14
87	Configuration-based optimization for six degree-of-freedom haptic rendering for fine manipulation **2011**,		14
86	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. *Chemical Engineering Science*, **2020**, 220, 115636	4.4	13
85	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH4 uptake by in situ ionic activation. *AICHE Journal*, **2020**, 66, e16231	3.6	13
84	Uric acid upregulates the adiponectin-adiponectin receptor□1 pathway in renal proximal tubule epithelial cells. *Molecular Medicine Reports*, **2018**, 17, 3545-3554	2.9	13
83	Integration of planning and execution in force controlled compliant motion. *Robotics and Autonomous Systems*, **2008**, 56, 437-450	3.5	13
82	A disentangled generative model for disease decomposition in chest X-rays via normal image synthesis. *Medical Image Analysis*, **2021**, 67, 101839	15.4	13
81	AMPK alleviates high uric acid-induced Na-K-ATPase signaling impairment and cell injury in renal tubules. *Experimental and Molecular Medicine*, **2019**, 51, 1-14	12.8	12
80	Real-time combined 2D+3D active appearance models		12
79	Integration of planning and execution in force controlled compliant motion **2005**,		12
78	Automatic Generation of High-level Contact State Space between 3D Curved Objects. *International Journal of Robotics Research*, **2008**, 27, 832-854	5.7	11
77	Urinary excretion of uric acid is negatively associated with albuminuria in patients with chronic kidney disease: a cross-sectional study. *BMC Nephrology*, **2018**, 19, 95	2.7	10
76	Surface-Based Detection and 6-DoF Pose Estimation of 3-D Objects in Cluttered Scenes. *IEEE Transactions on Robotics*, **2016**, 32, 1347-1361	6.5	10
75	Real-time adaptive motion planning for a continuum manipulator **2010**,		10
74	Adding memory to the Evolutionary Planner/Navigator		10

73	Toward obtaining all possible contacts-growing a polyhedron by its location uncertainty. *IEEE Transactions on Automation Science and Engineering*, **1996**, 12, 553-565		10
72	Toll-like Receptor 4 Signaling Pathway in the Protective Effect of Pioglitazone on Experimental Immunoglobulin A Nephropathy. *Chinese Medical Journal*, **2017**, 130, 906-913	2.9	9
71	MommiNet-v2: Mammographic multi-view mass identification networks. *Medical Image Analysis*, **2021**, 73, 102204	15.4	9
70	Can a Continuum Manipulator Fetch an Object in an Unknown Cluttered Space?. *IEEE Robotics and Automation Letters*, **2017**, 2, 2-9	4.2	8
69	A Visuo-Haptic Attention Training Game With Dynamic Adjustment of Difficulty. *IEEE Access*, **2019**, 7, 68878-68891	3.5	8
68	A general formulation and approach to constrained, continuum manipulation. *Advanced Robotics*, **2015**, 29, 889-899	1.7	8
67	Task-constrained continuum manipulation in cluttered space **2014**,		8
66	Real-time adaptive and trajectory-optimized manipulator motion planning		8
65	Deep Learning for Fully Automated Prediction of Overall Survival in Patients with Oropharyngeal Cancer Using FDG-PET Imaging. *Clinical Cancer Research*, **2021**, 27, 3948-3959	12.9	8
64	An efficient algorithm for real time collision detection involving a continuum manipulator with multiple uniform-curvature sections. *Robotica*, **2016**, 34, 1566-1586	2.1	8
63	SGK1 Attenuates Oxidative Stress-Induced Renal Tubular Epithelial Cell Injury by Regulating Mitochondrial Function. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 2013594	6.7	7
62	Robotic surface assembly via contact state transitions **2013**,		7
61	Exact and efficient Collision Detection for a multi-section Continuum Manipulator **2012**,		7
60	Progressive generation of force-closure grasps for an n-section continuum manipulator **2013**,		7
59	Adiponectin protects against uric acid-induced renal tubular epithelial inflammatory responses via the AdipoR1/AMPK signaling pathway. *International Journal of Molecular Medicine*, **2019**, 43, 1542-1552	4.4	7
58	Perceiving guaranteed continuously collision-free robot trajectories in an unknown and unpredictable environment **2009**,		6
57	Real-time Motion Planning of Multiple Mobile Manipulators with a Common Task Objective in Shared Work Environments. *Proceedings - IEEE International Conference on Robotics and Automation*, **2007**,		6
56	Meticulously detailed eye model and its application to analysis of facial image		6

55	Ultramicroporous carbons featuring sub-Ångstrom tunable apertures for the selective separation of light hydrocarbon. *AICHE Journal*, **2021**, 67, e17285	3.6	6
54	Real-time adaptive non-holonomic motion planning in unforeseen dynamic environments **2016**,		6
53	The Association of Urinary Sodium and Potassium with Renal Uric Acid Excretion in Patients with Chronic Kidney Disease. *Kidney and Blood Pressure Research*, **2018**, 43, 1310-1321	3.1	5
52	Real-Time Conflict Resolution of Task-Constrained Manipulator Motion in Unforeseen Dynamic Environments. *IEEE Transactions on Robotics*, **2019**, 35, 1276-1283	6.5	5
51	Six-degree-of-freedom haptic simulation of organ deformation in dental operations **2012**,		5
50	Semantic SLAM with Autonomous Object-Level Data Association **2021**,		5
49	Shape-based object classification and recognition through continuum manipulation **2017**,		4
48	Six degree-of-freedom haptic simulation of periodontal pathological changes **2012**,		4
47	Derivation of contact states from geometric models of objects		4
46	Motion for Manipulation Tasks **2016**, 897-930		4
45	Association of serum uric acid with thyroid function in health check-up participants. *Chinese Medical Journal*, **2020**, 133, 1409-1414	2.9	3
44	Progressive object modeling with a continuum manipulator in unknown environments **2017**,		3
43	Reducing uncertainty in robotic surface assembly tasks based on contact information **2014**,		3
42	Non-rigid shape and motion recovery: degenerate deformations		3
41	DeepStationing: Thoracic Lymph Node Station Parsing in CT Scans Using Anatomical Context Encoding and Key Organ Auto-Search. *Lecture Notes in Computer Science*, **2021**, 3-12	0.9	3
40	An Autonomous Loop-Closure Approach for Simultaneous Exploration and Coverage of Unknown Infrastructure Using MAVs **2019**,		2
39	Navigating Dynamically Unknown Environments Leveraging Past Experience **2019**,		2
38	Crosstalk between peroxisome proliferator-activated receptor-γ and mineralcorticoid receptor in TNF-α activated renal tubular cell. *Inflammation Research*, **2015**, 64, 603-14	7.2	2

37	Surface-based general 3D object detection and pose estimation **2014**,		2
36	Model-based testing of a real-time adaptive motion planning system. *Advanced Robotics*, **2017**, 31, 1159-1176	1.7	2
35	3D Object Detection Based on Geometrical Segmentation **2013**,		2
34	Intelligent pursuit & evasion in an unknown environment **2009**,		2
33	Automatic generation of contact state graphs based on curvature monotonic segmentation		2
32	Real-time tight coordination of mobile manipulators in unknown dynamic environments **2007**,		2
31	Haptic Simulation for Micro/Nano-Scale Optical Fiber Assembly **2006**,		2
30	Geometric Properties of Contacts Involving a Deformable Object		2
29	Vehicle sequencing based on evolutionary computation		2
28	A geometric simulator SimRep for testing the replanning approach toward assembly motions in the presence of uncertainties		2
27	A novel mechanism of controlling ultramicropore size in carbons at sub-angstrom level for molecular sieving of propylene/propane mixtures. *Journal of Materials Chemistry A*, **2021**, 9, 23873-23881	13	2
26	Efficacy of different urinary uric acid indicators in patients with chronic kidney disease. *BMC Nephrology*, **2020**, 21, 290	2.7	2
25	Reducing Uncertainty in Pose Estimation under Complex Contacts via Force Forecast **2020**,		2
24	Adsorption Property of Starch-Based Microporous Carbon Materials with High Selectivity and Uptake for C1/C2/C3 Separation. *Industrial & Engineering Chemistry Research*, **2021**, 60, 4668-4676	3.9	2
23	Gegen Qinlian Decoction Ameliorates Hyperuricemia-Induced Renal Tubular Injury via Blocking the Inflammatory Signaling Pathway. *Frontiers in Pharmacology*, **2021**, 12, 665398	5.6	2
22	Model-based testing of real-time adaptive motion planning (RAMP) **2016**,		2
21	DeepPrognosis: Preoperative prediction of pancreatic cancer survival and surgical margin via comprehensive understanding of dynamic contrast-enhanced CT imaging and tumor-vascular contact parsing. *Medical Image Analysis*, **2021**, 73, 102150	15.4	2
20	The urinary □microglobulin-creatinine ratio is inversely associated with lumbar spine bone mineral density in the elderly Chinese males. *Archives of Osteoporosis*, **2020**, 15, 90	2.9	1

19	The association of renal tubular inflammatory and injury markers with uric acid excretion in chronic kidney disease patients. *International Urology and Nephrology*, **2020**, 52, 923-932	2.3	1
18	On-line planning of nonholonomic trajectories in crowded and geometrically unknown environments **2009**,		1
17	Configuration-based optimization for six degree-of-freedom haptic rendering using sphere-trees **2011**,		1
16	Automatic Generation of A High-level Contact State Graph for Assembly between Curved Objects **2007**,		1
15	Real-time and Accurate Multiple Contact Detection between General Curved Objects **2006**,		1
14	Semantic principal video shot classification via mixture Gaussian **2003**,		1
13	A New Formalism to Characterize Contact States Involving Articulated Polyhedral Objects		1
12	Planning motion compliant to complex contact states		1
11	Multi-Institutional Validation of Two-Streamed Deep Learning Method for Automated Delineation of Esophageal Gross Tumor Volume Using Planning CT and FDG-PET/CT.. *Frontiers in Oncology*, **2021**, 11, 785788	5.3	1
10	Towards Accurate Loop Closure Detection in Semantic SLAM With 3D Semantic Covisibility Graphs. *IEEE Robotics and Automation Letters*, **2022**, 7, 2455-2462	4.2	1
9	EEG Correlates of Sustained Attention Variability during Discrete Multi-finger Force Control Tasks. *IEEE Transactions on Haptics*, **2021**, 14, 526-537	2.7	1
8	The Association between Urinary Glucose and Renal Uric Acid Excretion in Non-diabetic Patients with Stage 1-2 Chronic Kidney Disease. *Endocrine Research*, **2021**, 46, 28-36	1.9	1
7	The added value of an artificial intelligence system in assisting radiologists on indeterminate BI-RADS 0 mammograms. *European Radiology*, **2021**, 1	8	1
6	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.. *Journal of Inflammation Research*, **2022**, 15, 1859-1872	4.8	1
5	The association of urinary uric acid excretion with ambulatory blood pressure values in patients with chronic kidney disease. *Clinical Hypertension*, **2020**, 26, 4	4.8	0
4	Modification and Validation of the Phosphate Removal Model: A Multicenter Study. *Kidney and Blood Pressure Research*, **2021**, 46, 53-62	3.1	0
3	Upgrading of thiophenic compounds from fuels over a silver-modified MoO3 catalyst under ambient conditions. *Fuel*, **2021**, 303, 121316	7.1	0
2	Evolutionary robotics: the biology, intelligence, and technology of self-organizing machines [Book Review]. *IEEE Transactions on Evolutionary Computation*, **2001**, 5, 429-430	15.6	

1 Clinical classification of hyperuricemia in patients with chronic kidney disease. *International Urology and Nephrology*, **2021**, 53, 1665-1674 2.3