Daniel J Szafir

List of Publications by Year
in descending order

39 papers	1,346 citations	1684188 5 h-index	1872680 6 g-index
39 all docs	39 docs citations	39 times ranked	732 citing authors

#	Article	IF	Citations
1	Pay attention!. , 2012, , .		214
2	Communicating Robot Motion Intent with Augmented Reality. , 2018, , .		152
3	Communicating Directionality in Flying Robots. , 2015, , .		137
4	Improving Collocated Robot Teleoperation with Augmented Reality. , 2018, , .		115
5	Communication of intent in assistive free flyers. , 2014, , .		111
6	ARTFul. , 2013, , .		71
7	Robot Teleoperation with Augmented Reality Virtual Surrogates. , 2019, , .		69
8	RoomShift: Room-scale Dynamic Haptics for VR with Furniture-moving Swarm Robots. , 2020, , .		60
9	Designing for Depth Perceptions in Augmented Reality. , 2017, , .		59
10	Virtual, Augmented, and Mixed Reality for Human-Robot Interaction. , 2018, , .		43
11	Designing planning and control interfaces to support user collaboration with flying robots. International Journal of Robotics Research, 2017, 36, 514-542.	8.5	35
12	Mediating Human-Robot Interactions with Virtual, Augmented, and Mixed Reality. Lecture Notes in Computer Science, 2019, , 124-149.	1.3	28
13	Connecting Human-Robot Interaction and Data Visualization. , 2021, , .		21
14	RoboGraphics. , 2019, , .		20
15	ARC-LfD: Using Augmented Reality for Interactive Long-Term Robot Skill Maintenance via Constrained Learning from Demonstration. , 2021, , .		19
16	The Influence of Size in Augmented Reality Telepresence Avatars. , 2019, , .		18
17	Recognizing F-Formations in the Open World. , 2019, , .		16
18	Virtual, Augmented, and Mixed Reality for Human-Robot Interaction (VAM-HRI). , 2019, , .		15

#	Article	IF	Citations
19	PufferBot: Actuated Expandable Structures for Aerial Robots. , 2020, , .		14
20	Balanced Information Gathering and Goal-Oriented Actions in Shared Autonomy. , 2019, , .		13
21	Visualization of Intended Assistance for Acceptance of Shared Control. , 2020, , .		13
22	Failure is Not an Option: Policy Learning for Adaptive Recovery in Space Operations. IEEE Robotics and Automation Letters, 2018, 3, 1639-1646.	5.1	11
23	The 1st International Workshop on Virtual, Augmented, and Mixed Reality for Human-Robot Interaction. AI Magazine, 2018, 39, 64-66.	1.6	10
24	HugBot. , 2019, , .		10
25	REFORM: Recognizing F-formations for Social Robots. , 2020, , .		10
26	Comparing F-Formations Between Humans and On-Screen Agents. , 2020, , .		8
27	GUI Robots. , 2017, , .		7
28	Everybody Needs Somebody Sometimes: Validation of Adaptive Recovery in Robotic Space Operations. IEEE Robotics and Automation Letters, 2019, 4, 1216-1223.	5.1	7
29	Virtual, Augmented, and Mixed Reality for Human-Robot Interaction (VAM-HRI). , 2020, , .		7
30	Virtual-to-Real-World Transfer Learning for Robots on Wilderness Trails. , 2018, , .		6
31	The Haptic Video Player. , 2018, , .		6
32	The Reality-Virtuality Interaction Cube: A Framework for Conceptualizing Mixed-Reality Interaction Design Elements for HRI. , 2019, , .		5
33	Proactive Robot Assistants for Freeform Collaborative Tasks Through Multimodal Recognition of Generic Subtasks. , 2018, , .		4
34	Improving Object Disambiguation from Natural Language using Empirical Models. , 2018, , .		4
35	RoboGraphics: Using Mobile Robots to Create Dynamic Tactile Graphics. , 2019, , .		3
36	A Mixed Reality Supervision and Telepresence Interface for Outdoor Field Robotics. , 2021, , .		2

#	Article	IF	Citations
37	Designing Expandable-Structure Robots for Human-Robot Interaction. Frontiers in Robotics and AI, 2022, 9, 719639.	3.2	2
38	What Information Should a Robot Convey?. , 2021, , .		1
39	Human interaction with assistive free-flyers. , 2014, , .		0