

Chytra Pawashe

List of Publications by Year in descending order

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20
papers

1,371
citations

840776

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h-index

1125743

13
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20
all docs

20
docs citations

20
times ranked

1006
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Experimental Characterization of an Untethered Magnetic Micro-Robot. International Journal of Robotics Research, 2009, 28, 1077-1094.	8.5	291
2	Two-Dimensional Contact and Noncontact Micromanipulation in Liquid Using an Untethered Mobile Magnetic Microrobot. IEEE Transactions on Robotics, 2009, 25, 1332-1342.	10.3	152
3	Control of Multiple Heterogeneous Magnetic Microrobots in Two Dimensions on Nonspecialized Surfaces. IEEE Transactions on Robotics, 2012, 28, 172-182.	10.3	148
4	Magnetic Actuation Methods in Bio/Soft Robotics. Advanced Functional Materials, 2021, 31, 2005137.	14.9	126
5	Multiple magnetic microrobot control using electrostatic anchoring. Applied Physics Letters, 2009, 94, .	3.3	116
6	Two-Dimensional Autonomous Microparticle Manipulation Strategies for Magnetic Microrobots in Fluidic Environments. IEEE Transactions on Robotics, 2012, 28, 467-477.	10.3	100
7	Assembly and disassembly of magnetic mobile micro-robots towards deterministic 2-D reconfigurable micro-systems. International Journal of Robotics Research, 2011, 30, 1667-1680.	8.5	92
8	Control methodologies for a heterogeneous group of untethered magnetic micro-robots. International Journal of Robotics Research, 2011, 30, 1553-1565.	8.5	91
9	An untethered magnetically actuated micro-robot capable of motion on arbitrary surfaces. , 2008, , .		63
10	The ultimate CMOS device and beyond. , 2012, , .		60
11	Scaling Limits of Electrostatic Nanorelays. IEEE Transactions on Electron Devices, 2013, 60, 2936-2942.	3.0	48
12	Two-dimensional vision-based autonomous microparticle manipulation using a nanoprobe. Journal of Micromechatronics, 2006, 3, 285-306.	1.9	22
13	Microparticle manipulation using multiple untethered magnetic micro-robots on an electrostatic surface. , 2009, , .		21
14	Control of multiple heterogeneous magnetic micro-robots on non-specialized surfaces. , 2011, , .		13
15	Subfeature patterning of organic and inorganic materials using robotic assembly. Journal of Materials Research, 2007, 22, 1601-1608.	2.6	11
16	A scaled bilateral control system for experimental 1-D teleoperated nanomanipulation applications. , 2007, , .		7
17	Assembly and disassembly of magnetic mobile micro-robots towards deterministic 2-D reconfigurable micro-systems. , 2011, , .		6
18	Assembly and Disassembly of Magnetic Mobile Micro-Robots towards 2-D Reconfigurable Micro-Systems. Springer Tracts in Advanced Robotics, 2011, , 731-747.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Adhesion Limits and Design Criteria for Nanorelays. IEEE Transactions on Electron Devices, 2016, 63, 465-470.	3.0	1
20	The effect of device fabrication on quasi-static elastic behaviour of silicon nanocantilever arrays. Journal of Micromechanics and Microengineering, 2015, 25, 125007.	2.6	0