

Olaf C Haenssler

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

91
citations

1937457

4
h-index

2053595

5
g-index

20
all docs

20
docs citations

20
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and experimental evaluation of a compliant mechanism-based stepping-motion actuator with multi-mode. <i>Smart Materials and Structures</i> , 2018, 27, 105014.	1.8	16
2	Driving principles of mobile microrobots for micro- and nanohandling. , 2003, , .		11
3	Automated robotic manipulation of individual sub-micro particles using a dual probe setup inside the scanning electron microscope. , 2015, , .		11
4	Manipulation of Liquid Metal Inside an SEM by Taking Advantage of Electromigration. <i>Journal of Microelectromechanical Systems</i> , 2019, 28, 88-94.	1.7	8
5	Depth-Detection Methods for CNT Manipulation and Characterization in a Scanning Electron Microscope. , 2007, , .		7
6	Multimodal imaging technology by integrated scanning electron, force, and microwave microscopy and its application to study microscaled capacitors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 022901.	0.6	6
7	Multi-target tracking for automated RF on-wafer probing based on template matching. , 2019, , .		6
8	Amplitude-Phase Variation in a Graphene-Based Microstrip Line. <i>Micromachines</i> , 2022, 13, 1039.	1.4	5
9	Integration of a Scanning Microwave Microscope and a Scanning Electron Microscope: Towards a new instrument to imaging, characterizing and manipulating at the nanoscale. , 2014, , .		4
10	Combined scanning microwave and electron microscopy: A novel toolbox for hybrid nanoscale material analysis. , 2017, , .		4
11	Manipulating and characterizing with nanorobotics: In-situ SEM technique for centimeter and millimeter waves. , 2015, , .		3
12	Multimodal microscopy test standard for scanning microwave, electron, force and optical microscopy. <i>Journal of Micro-Bio Robotics</i> , 2018, 14, 51-57.	2.1	3
13	Atomic force microscopy for high resolution sidewall scans. , 2014, , .		2
14	Modularized SPM-controller based on an FPGA for combined AFM and SMM measurements. , 2016, , .		1
15	Test standard for light, electron and microwave microscopy to enable robotic processes. , 2017, , .		1
16	Combining scanning microscopy and robotics: Automated analysis and manipulation on the small scale. , 2017, , .		1
17	Near-field scanning millimeter-wave microscope combined with a scanning electron microscope. , 2017, , .		1
18	Towards Robot-based Manipulation, Characterization and Automation at the Nanoscale. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Towards high density biosensors for mobile diagnostics. , 2012, , .		0
20	Improving Acquisition Time in Scanning Microwave Microscopy by Undersampling the Scan Area. , 2018, , .		0