

Mohammadreza Sajjadi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Designing nonlinear observer for topography estimation in trolling mode atomic force microscopy. JVC/Journal of Vibration and Control, 2022, 28, 3890-3905.	1.5	10
2	Imaging performance of trolling mode atomic force microscopy: investigation of effective parameters. Archive of Applied Mechanics, 2022, 92, 1551-1570.	1.2	7
3	Modeling of eccentric nanoneedle in trolling mode atomic force microscope. Microscopy Research and Technique, 2021, 84, 639-655.	1.2	5
4	Controlled manipulation of a bio-particle using trolling mode atomic force microscope: a simulation study. Journal of Nanoparticle Research, 2021, 23, 1.	0.8	1
5	Model-based topography estimation in trolling mode atomic force microscopy. Applied Mathematical Modelling, 2020, 77, 1025-1040.	2.2	9
6	Image acquisition for trolling-mode atomic force microscopy based on dynamical equations of motion. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, , 095440622097755.	1.1	1
7	On the nonlinear dynamics of trolling-mode AFM: Analytical solution using multiple time scales method. Journal of Sound and Vibration, 2018, 423, 263-286.	2.1	13
8	Finite element modeling of trolling-mode AFM. Ultramicroscopy, 2018, 189, 24-38.	0.8	8
9	Dynamic modeling of trolling-mode AFM: Considering effects of cantilever torsion, nanoneedle flexibility and liquid-nanoneedle interactions. Ultramicroscopy, 2017, 182, 99-111.	0.8	17