Junghoon Jahng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5146169/publications.pdf

Version: 2024-02-01

30	903	623574	580701
papers	citations	14 h-index	25 g-index

30	30	30	898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photo-induced force microscopy (PiFM) â€“ principles and implementations. Chemical Society Reviews, 2022, 51, 4208-4222.	18.7	24
2	Monitoring Fast Thermal Dynamics at the Nanoscale through Frequency Domain Photoinduced Force Microscopy. Journal of Physical Chemistry C, 2021, 125, 7276-7286.	1.5	7
3	Enhancement of Photoresponse on Narrow-Bandgap Mott Insulator Î±-RuCl₃ via Intercalation. ACS Nano, 2021, 15, 18113-18124.	7.3	10
4	Direct Chemical Imaging of Ligand-Functionalized Single Nanoparticles by Photoinduced Force Microscopy. Journal of Physical Chemistry Letters, 2020, 11, 5785-5791.	2.1	7
5	Tip-Enhanced Infrared Imaging with Sub-10 nm Resolution and Hypersensitivity. Journal of Physical Chemistry Letters, 2020, 11, 1697-1701.	2.1	19
6	Photo-Induced Force Microscopy by Using Quartz Tuning-Fork Sensor. Sensors, 2019, 19, 1530.	2.1	7
7	Nanoscale spectroscopic origins of photoinduced tipâ€“sample force in the midinfrared. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26359-26366.	3.3	29
8	Fabrication and near-field visualization of a wafer-scale dense plasmonic nanostructured array. RSC Advances, 2018, 8, 6444-6451.	1.7	8
9	Substructure imaging of heterogeneous nanomaterials with enhanced refractive index contrast by using a functionalized tip in photoinduced force microscopy. Light: Science and Applications, 2018, 7, 73.	7.7	16
10	Tip-Enhanced Thermal Expansion Force for Nanoscale Chemical Imaging and Spectroscopy in Photoinduced Force Microscopy. Analytical Chemistry, 2018, 90, 11054-11061.	3.2	61
11	Linear and nonlinear hyperspectral imaging of nano- and bio- materials in photo-induced force microscopy. , 2018, , .		0
12	Eigenmodes of a quartz tuning fork and their application to photoinduced force microscopy. Physical Review B, 2017, 95, .	1.1	24
13	Evans blue dye-enhanced imaging of the brain microvessels using spectral focusing coherent anti-Stokes Raman scattering microscopy. PLoS ONE, 2017, 12, e0185519.	1.1	5
14	Photoinduced force microscopy: A technique for hyperspectral nanochemical mapping. Japanese Journal of Applied Physics, 2017, 56, 08LA04.	0.8	37
15	Electrical tuning of mechanical characteristics in qPlus sensor: Active Q and resonance frequency control. Journal of Applied Physics, 2016, 120, .	1.1	6
16	Nanoscale chemical imaging by photoinduced force microscopy. Science Advances, 2016, 2, e1501571.	4.7	228
17	Quantitative analysis of sideband coupling in photoinduced force microscopy. Physical Review B, 2016, 94, .	1.1	32
18	Photo-induced force for spectroscopic imaging at the nanoscale. Proceedings of SPIE, 2016, , .	0.8	8

#	Article	IF	Citations
19	Dynamic photo-induced force microscopy. Materials Research Society Symposia Proceedings, 2015, 1754, 103-108.	0.1	1
20	Nanoscale spectroscopic imaging with photo-induced force microscopy. , 2015, , .		0
21	Ultrafast pump-probe force microscopy with nanoscale resolution. Applied Physics Letters, 2015, 106, .	1.5	72
22	Visualizing surface plasmon polaritons by their gradient force. Optics Letters, 2015, 40, 5058.	1.7	22
23	Linear and Nonlinear Optical Spectroscopy at the Nanoscale with Photoinduced Force Microscopy. Accounts of Chemical Research, 2015, 48, 2671-2679.	7.6	100
24	Ultrafast pump-probe photo-induced force microscopy at nanoscale. , 2015, , .		1
25	Gradient and scattering forces in photoinduced force microscopy. Physical Review B, 2014, 90, .	1.1	96
26	Active feedback cooling of massive electromechanical quartz resonators. Physical Review A, 2011, 84, .	1.0	9
27	Nanofluidics through a 30-nm aperture nanopipette by applying electrostatic field based on the QTF-AFM system. , 2010, , .		0
28	General Active Quality Factor Control of Electromechanical Quartz Resonator. Materials Research Society Symposia Proceedings, 2009, 1232, 70401.	0.1	0
29	Active Q control in tuning-fork-based atomic force microscopy. Applied Physics Letters, 2007, 91, 023103.	1.5	26
30	Quantitative atomic force measurement with a quartz tuning fork. Applied Physics Letters, 2007, 91, 023117.	1.5	48