

Avijit Barik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11722215/publications.pdf>

Version: 2024-02-01

12
papers

785
citations

933447

10
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanopore sensing at ultra-low concentrations using single-molecule dielectrophoretic trapping. Nature Communications, 2016, 7, 10217.	12.8	224
2	Dielectrophoresis-Enhanced Plasmonic Sensing with Gold Nanohole Arrays. Nano Letters, 2014, 14, 2006-2012.	9.1	149
3	Nanoscale tweezers for single-cell biopsies. Nature Nanotechnology, 2019, 14, 80-88.	31.5	147
4	Graphene-edge dielectrophoretic tweezers for trapping of biomolecules. Nature Communications, 2017, 8, 1867.	12.8	69
5	Ultralow-Power Electronic Trapping of Nanoparticles with Sub-10 nm Gold Nanogap Electrodes. Nano Letters, 2016, 16, 6317-6324.	9.1	57
6	Integrated Nanogap Platform for Sub-Volt Dielectrophoretic Trapping and Real-Time Raman Imaging of Biological Nanoparticles. Nano Letters, 2018, 18, 5946-5953.	9.1	39
7	On-Demand Surface- and Tip-Enhanced Raman Spectroscopy Using Dielectrophoretic Trapping and Nanopore Sensing. ACS Photonics, 2016, 3, 1036-1044.	6.6	38
8	Individual Template-Stripped Conductive Gold Pyramids for Tip-Enhanced Dielectrophoresis. ACS Photonics, 2014, 1, 464-470.	6.6	30
9	Plasmonic Split-Trench Resonator for Trapping and Sensing. ACS Nano, 2021, 15, 6669-6677.	14.6	17
10	Dielectrophoresis-Assisted Raman Spectroscopy of Intravesicular Analytes on Metallic Pyramids. Analytical Chemistry, 2016, 88, 1704-1710.	6.5	12
11	Nanogap dielectrophoresis combined with buffer exchange for detecting protein binding to trapped bioparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125829.	4.7	3
12	Enhanced Plasmonic Detection with Dielectrophoretic Concentration. Integrated Analytical Systems, 2018, , 123-146.	0.4	0