

Nidhi Nath

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,461
citations

567144

15
h-index

794469

19
g-index

24
all docs

24
docs citations

24
times ranked

3122
citing authors

#	ARTICLE	IF	CITATIONS
1	A Colorimetric Gold Nanoparticle Sensor To Interrogate Biomolecular Interactions in Real Time on a Surface. <i>Analytical Chemistry</i> , 2002, 74, 504-509.	3.2	881
2	Label-Free Biosensing by Surface Plasmon Resonance of Nanoparticles on Glass: Optimization of Nanoparticle Size. <i>Analytical Chemistry</i> , 2004, 76, 5370-5378.	3.2	485
3	Surface engineering strategies for control of protein and cell interactions. <i>Surface Science</i> , 2004, 570, 98-110.	0.8	219
4	Capture and Release of Proteins on the Nanoscale by Stimuli-Responsive Elastin-Like Polypeptide "Switches". <i>Journal of the American Chemical Society</i> , 2004, 126, 7330-7335.	6.6	160
5	Label Free Colorimetric Biosensing Using Nanoparticles. <i>Journal of Fluorescence</i> , 2004, 14, 377-389.	1.3	156
6	Interfacial Phase Transition of an Environmentally Responsive Elastin Biopolymer Adsorbed on Functionalized Gold Nanoparticles Studied by Colloidal Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2001, 123, 8197-8202.	6.6	149
7	Identification and Characterization of Small Molecule Inhibitors of a Plant Homeodomain Finger. <i>Biochemistry</i> , 2012, 51, 8293-8306.	1.2	88
8	Fabrication of a Reversible Protein Array Directly from Cell Lysate Using a Stimuli-Responsive Polypeptide. <i>Analytical Chemistry</i> , 2003, 75, 709-715.	3.2	75
9	Evanescent wave fibre optic sensor for detection of <i>L. donovani</i> specific antibodies in sera of kala azar patients. <i>Biosensors and Bioelectronics</i> , 1997, 12, 491-498.	5.3	39
10	Protein-protein interaction studies on protein arrays: Effect of detection strategies on signal-to-background ratios. <i>Analytical Biochemistry</i> , 2009, 392, 45-53.	1.1	37
11	Homogeneous plate based antibody internalization assay using pH sensor fluorescent dye. <i>Journal of Immunological Methods</i> , 2016, 431, 11-21.	0.6	36
12	Development of a novel homogeneous immunoassay using the engineered luminescent enzyme NanoLuc for the quantification of the mycotoxin fumonisin B1. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112939.	5.3	29
13	Improving Protein Array Performance: Focus on Washing and Storage Conditions. <i>Journal of Proteome Research</i> , 2008, 7, 4475-4482.	1.8	28
14	Development of NanoLuc bridging immunoassay for detection of anti-drug antibodies. <i>Journal of Immunological Methods</i> , 2017, 450, 17-26.	0.6	26
15	Parallel Comparison of Sandwich and Direct Label Assay Protocols on Cytokine Detection Protein Arrays. <i>Analytical Chemistry</i> , 2003, 75, 5274-5281.	3.2	24
16	On-bead antibody-small molecule conjugation using high-capacity magnetic beads. <i>Journal of Immunological Methods</i> , 2015, 426, 95-103.	0.6	16
17	Immobilized gold nanoparticle sensor for label-free optical detection of biomolecular interactions. , 2002, , .		5
18	Deciphering the Interaction between Neonatal Fc Receptor and Antibodies Using a Homogeneous Bioluminescent Immunoassay. <i>Journal of Immunology</i> , 2021, 207, 1211-1221.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Noble Metal Nanoparticle Biosensors. , 2005, , 353-380.		2
20	Antibody Labeling with Fluorescent Dyes Using Magnetic Protein A and Protein G Beads. Journal of Visualized Experiments, 2016, , .	0.2	2
21	A homogeneous bioluminescent immunoassay for parallel characterization of binding between a panel of antibodies and a family of Fcγ ₃ receptors. Scientific Reports, 2022, 12, .	1.6	1
22	Comparative evaluation of fibre optic immunosensor with ELISA and IFAT for serodiagnosis of Indian Kala azar. Serodiagnosis and Immunotherapy in Infectious Disease, 1997, 8, 201-205.	0.2	0
23	for Detection. Methods in Molecular Biology, 2022, 2313, 313-322.	0.4	0