

Nako Nakatsuka

List of Publications by Year in descending order

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29
papers

1,694
citations

471509

17
h-index

501196

28
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30
all docs

30
docs citations

30
times ranked

2123
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-modified biosensors to visualize neurotransmitter flux. <i>Journal of Neuroscience Methods</i> , 2022, 365, 109386.	2.5	10
2	Divalent Cation Dependence Enhances Dopamine Aptamer Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9425-9435.	8.0	42
3	Aptamer Conformational Change Enables Serotonin Biosensing with Nanopipettes. <i>Analytical Chemistry</i> , 2021, 93, 4033-4041.	6.5	52
4	Sensing serotonin secreted from human serotonergic neurons using aptamer-modified nanopipettes. <i>Molecular Psychiatry</i> , 2021, 26, 2753-2763.	7.9	19
5	KAT Ligation for Rapid and Facile Covalent Attachment of Biomolecules to Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29113-29121.	8.0	5
6	Nonspecific Binding—Fundamental Concepts and Consequences for Biosensing Applications. <i>Chemical Reviews</i> , 2021, 121, 8095-8160.	47.7	113
7	Implantable aptamer—field-effect transistor neuroprobes for in vivo neurotransmitter monitoring. <i>Science Advances</i> , 2021, 7, eabj7422.	10.3	68
8	Electrolyte-gated carbon nanotube field-effect transistor-based biosensors: Principles and applications. <i>Applied Physics Reviews</i> , 2021, 8, 041325.	11.3	49
9	Detecting DNA and RNA and Differentiating Single-Nucleotide Variations via Field-Effect Transistors. <i>Nano Letters</i> , 2020, 20, 5982-5990.	9.1	47
10	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. <i>ACS Sensors</i> , 2019, 4, 3308-3317.	7.8	57
11	Hierarchically Patterned Polydopamine-Containing Membranes for Periodontal Tissue Engineering. <i>ACS Nano</i> , 2019, 13, 3830-3838.	14.6	105
12	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. <i>ACS Nano</i> , 2018, 12, 4761-4774.	14.6	57
13	Aptamer—field-effect transistors overcome Debye length limitations for small-molecule sensing. <i>Science</i> , 2018, 362, 319-324.	12.6	570
14	Small-Molecule Patterning via Prefunctionalized Alkanethiols. <i>Chemistry of Materials</i> , 2018, 30, 4017-4030.	6.7	14
15	Aptamer Recognition of Multiplexed Small-Molecule-Functionalized Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23490-23500.	8.0	28
16	Differentiating Siblings: The Case of Dopamine and Norepinephrine. <i>ACS Chemical Neuroscience</i> , 2017, 8, 218-220.	3.5	29
17	High-Affinity Nucleic-Acid-Based Receptors for Steroids. <i>ACS Chemical Biology</i> , 2017, 12, 3103-3112.	3.4	82
18	Advancing Biocapture Substrates via Chemical Lift-Off Lithography. <i>Chemistry of Materials</i> , 2017, 29, 6829-6839.	6.7	24

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19	Analyzing Spin Selectivity in DNA-Mediated Charge Transfer <i>via</i> Fluorescence Microscopy. ACS Nano, 2017, 11, 7516-7526.	14.6	82
20	Neurochips Enable Nanoscale Devices for High-Resolution In Vivo Neurotransmitter Sensing. Neuropsychopharmacology, 2016, 41, 378-379.	5.4	5
21	Fabrication of High-Performance Ultrathin In ₂ O ₃ Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. ACS Nano, 2015, 9, 4572-4582.	14.6	156
22	Controlled DNA Patterning by Chemical Lift-Off Lithography: Matrix Matters. ACS Nano, 2015, 9, 11439-11454.	14.6	42
23	Formation of hyaluronic acid-ellagic acid microfiber hybrid hydrogels and their applications. Colloid and Polymer Science, 2013, 291, 515-525.	2.1	2
24	Self-assembling peptide assemblies bound to ZnS nanoparticles and their interactions with mammalian cells. Colloids and Surfaces B: Biointerfaces, 2013, 103, 405-415.	5.0	12
25	Biomimetic Formation of Pd and Au-Pd Nanocomposites and their Catalytic Applications. Soft Materials, 2013, 11, 403-413.	1.7	4
26	Fabrication of Collagen-Elastin-Bound Peptide Microtubes for Mammalian Cell Attachment. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 1843-1862.	3.5	4
27	Growth and Properties of CdSe Nanoparticles on Ellagic Acid Biotemplates for Photodegradation Applications. Materials Express, 2012, 2, 335-343.	0.5	8
28	Biomimetic growth of gallic acid-ZnO hybrid assemblies and their applications. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	6
29	Formation of Calcium Phosphate-Ellagic Acid Composites by Layer by Layer Assembly for Cellular Attachment to Osteoblasts. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 13, 1-17.	0.7	0