

# Prasanta Kalita

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2793429/publications.pdf>

Version: 2024-02-01

31  
papers

740  
citations

623734

14  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1051  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Characterization and Optimization of Gold Nanoparticle-Based Silver-Enhanced Immunoassays. <i>Analytical Chemistry</i> , 2007, 79, 3810-3820.   | 6.5  | 181       |
| 2  | ZnO-rGO nanocomposite based bioelectrode for sensitive and ultrafast detection of dopamine in human serum. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112347.                                | 10.1 | 54        |
| 3  | On-chip electric field driven assembly of biocomposites from live cells and functionalized particles. <i>Soft Matter</i> , 2008, 4, 726.  | 2.7  | 52        |
| 4  | Sensitive and rapid detection of pathogenic bacteria in small volumes using impedance spectroscopy technique. <i>Biosensors and Bioelectronics</i> , 2016, 77, 270-276.                             | 10.1 | 47        |
| 5  | Plasmonic biosensors for bacterial endotoxin detection on biomimetic C-18 supported fiber optic probes. <i>Biosensors and Bioelectronics</i> , 2019, 129, 79-86.                                    | 10.1 | 47        |
| 6  | On-Chip Dielectrophoretic Coassembly of Live Cells and Particles into Responsive Biomaterials. <i>Langmuir</i> , 2010, 26, 3441-3452.   | 3.5  | 43        |
| 7  | Simultaneous Ultrasensitive Detection and Elimination of Drug-Resistant Bacteria by Cyclometalated Iridium(III) Complexes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35967-35976.   | 8.0  | 41        |
| 8  | Nanotheranostic approaches for management of bloodstream bacterial infections. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 329-341.                                      | 3.3  | 32        |
| 9  | Thermoresponsive BSA hydrogels with phase tunability. <i>Materials Science and Engineering C</i> , 2021, 119, 111590.   | 7.3  | 27        |
| 10 | Nanoparticle-Drug Bioconjugate as Dual Functional Affinity Ligand for Rapid Point-of-Care Detection of Endotoxin in Water and Serum. <i>Analytical Chemistry</i> , 2015, 87, 11007-11012.           | 6.5  | 26        |
| 11 | Dual functionality nanobioconjugates targeting intracellular bacteria in cancer cells with enhanced antimicrobial activity. <i>Scientific Reports</i> , 2017, 7, 5792.                              | 3.3  | 25        |
| 12 | On-chip latex agglutination immunoassay readout by electrochemical impedance spectroscopy. <i>Lab on A Chip</i> , 2012, 12, 4279.   | 6.0  | 20        |
| 13 | Electric-field driven assembly of live bacterial cell microarrays for rapid phenotypic assessment and cell viability testing. <i>Biosensors and Bioelectronics</i> , 2018, 111, 159-165.            | 10.1 | 18        |
| 14 | Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. <i>Nanoscale</i> , 2022, 14, 4690-4704. | 5.6  | 15        |
| 15 | Nanobioconjugates: Weapons against Antibacterial Resistance. <i>ACS Applied Bio Materials</i> , 2020, 3, 8271-8285.   | 4.6  | 14        |
| 16 | A portable immunomagnetic cell capture system to accelerate culture diagnosis of bacterial infections. <i>Analyst</i> , 2016, 141, 3358-3366.   | 3.5  | 12        |
| 17 | A Single Step in vitro Bioassay Mimicking TLR4-LPS Pathway and the Role of MD2 and CD14 Coreceptors. <i>Frontiers in Immunology</i> , 2020, 11, 5.  | 4.8  | 12        |
| 18 | Non-invasive platform to estimate fasting blood glucose levels from salivary electrochemical parameters. <i>Healthcare Technology Letters</i> , 2019, 6, 87-91.                                     | 3.3  | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Mitochondria-Targeted Photoactivatable Real-Time Monitoring of a Controlled Drug Delivery Platform. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17813-17823.                       | 6.4 | 11        |
| 20 | µ-Polylysine Nanoconjugates: Value-Added Antimicrobials for Drug-Resistant Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 6688-6696.  | 4.6 | 10        |
| 21 | In vitro flow-through assay for rapid detection of endotoxin in human sera: A proof-of-concept. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1483-1490.        | 3.3 | 9         |
| 22 | An investigation of folic acid-protein association sites and the effect of this association on folic acid self-assembly. <i>Journal of Molecular Modeling</i> , 2015, 21, 308.           | 1.8 | 7         |
| 23 | A Flowthrough Assay for Rapid Bedside Stratification of Bloodstream Bacterial Infection in Critically Ill Patients: a Pilot Study. <i>Journal of Clinical Microbiology</i> , 2018, 56, . | 3.9 | 7         |
| 24 | Electrically driven assembly of CdTe quantum dots into photoconductive microwires. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1645-1648.   | 5.5 | 6         |
| 25 | Size-Tunable Assembly of Gold Nanoparticles Using Competitive AC Electrokinetics. <i>Langmuir</i> , 2019, 35, 8015-8024.   | 3.5 | 3         |
| 26 | Zwitterions for impedance spectroscopy: The new buffers in town. <i>Analytica Chimica Acta</i> , 2021, 1166, 338547.   | 5.4 | 3         |
| 27 | Gargling affect on salivary electrochemical parameters to predict blood glucose. , 2016, , .   |     | 2         |
| 28 | Heterogeneous endotoxin detection bioassay using drug-nanoparticle bioconjugates: an optimization study. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 470-477.             | 3.4 | 2         |
| 29 | AC Conductivity Measurements of Ultradilute Colloidal Suspensions in HEPES Buffer. <i>Langmuir</i> , 2019, 35, 14725-14733.  | 3.5 | 2         |
| 30 | Spot Immunomagnetic Enrichment Device for Rapid Detection of Pathogens in Peripheral Blood. <i>Advanced Materials Technologies</i> , 2016, 1, 1600101.                                   | 5.8 | 1         |
| 31 | Dual functionality nanobioconjugates: a new tool for intracellular bacterial targeting in cancer cells?. <i>Therapeutic Delivery</i> , 2018, 9, 317-320.                                 | 2.2 | 0         |