

Prasanta Kalita

List of Publications by Year in descending order

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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	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
2	Thermoresponsive BSA hydrogels with phase tunability. <i>Materials Science and Engineering C</i> , 2021, 119, 111590.	7.3	27
3	Zwitterions for impedance spectroscopy: The new buffers in town. <i>Analytica Chimica Acta</i> , 2021, 1166, 338547.	5.4	3
4	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
5	Simultaneous Ultrasensitive Detection and Elimination of Drug-Resistant Bacteria by Cyclometalated Iridium(III) Complexes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35967-35976.	8.0	41
6	Nanobioconjugates: Weapons against Antibacterial Resistance. <i>ACS Applied Bio Materials</i> , 2020, 3, 8271-8285.	4.6	14
7	Îµ-Polylysine Nanoconjugates: Value-Added Antimicrobials for Drug-Resistant Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 6688-6696.	4.6	10
8	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
9	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
10	Noninvasive platform to estimate fasting blood glucose levels from salivary electrochemical parameters. <i>Healthcare Technology Letters</i> , 2019, 6, 87-91.	3.3	11
11	AC Conductivity Measurements of Ultradilute Colloidal Suspensions in HEPES Buffer. <i>Langmuir</i> , 2019, 35, 14725-14733.	3.5	2
12	Size-Tunable Assembly of Gold Nanoparticles Using Competitive AC Electrokinetics. <i>Langmuir</i> , 2019, 35, 8015-8024.	3.5	3
13	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
14	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
15	Dual functionality nanobioconjugates: a new tool for intracellular bacterial targeting in cancer cells?. <i>Therapeutic Delivery</i> , 2018, 9, 317-320.	2.2	0
16	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
17	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
18	Dual functionality nanobioconjugates targeting intracellular bacteria in cancer cells with enhanced antimicrobial activity. <i>Scientific Reports</i> , 2017, 7, 5792.	3.3	25

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19	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
20	Nanotheranostic approaches for management of bloodstream bacterial infections. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 329-341.	3.3	32
21	A portable immunomagnetic cell capture system to accelerate culture diagnosis of bacterial infections. <i>Analyst</i> , 2016, 141, 3358-3366.	3.5	12
22	Spot Immunomagnetic Enrichment Device for Rapid Detection of Pathogens in Peripheral Blood. <i>Advanced Materials Technologies</i> , 2016, 1, 1600101.	5.8	1
23	Gargling affect on salivary electrochemical parameters to predict blood glucose. , 2016, , .		2
24	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
25	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
26	Electrically driven assembly of CdTe quantum dots into photoconductive microwires. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1645-1648.	5.5	6
27	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
28	On-chip latex agglutination immunoassay readout by electrochemical impedance spectroscopy. <i>Lab on A Chip</i> , 2012, 12, 4279.	6.0	20
29	On-Chip Dielectrophoretic Coassembly of Live Cells and Particles into Responsive Biomaterials. <i>Langmuir</i> , 2010, 26, 3441-3452.	3.5	43
30	On-chip electric field driven assembly of biocomposites from live cells and functionalized particles. <i>Soft Matter</i> , 2008, 4, 726.	2.7	52
31	Characterization and Optimization of Gold Nanoparticle-Based Silver-Enhanced Immunoassays. <i>Analytical Chemistry</i> , 2007, 79, 3810-3820.	6.5	181