

Rostislav Bukasov

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

958
citations

623734

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839539

18
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19
all docs

19
docs citations

19
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Tunable Infrared Extinction Properties of Gold Nanocrescents. <i>Nano Letters</i> , 2007, 7, 1113-1118.	9.1	303
2	Probing the Plasmonic Near-Field of Gold Nanocrescent Antennas. <i>ACS Nano</i> , 2010, 4, 6639-6650.	14.6	133
3	Review of COVID-19 testing and diagnostic methods. <i>Talanta</i> , 2022, 244, 123409.	5.5	112
4	Review: Detection and quantification of proteins in human urine. <i>Talanta</i> , 2021, 223, 121718.	5.5	84
5	Silver Nanocrescents with Infrared Plasmonic Properties As Tunable Substrates for Surface Enhanced Infrared Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 4531-4535.	6.5	73
6	Nanoparticleâ€“nanoparticle vs. nanoparticleâ€“substrate hot spot contributions to the SERS signal: studying Raman labelled monomers, dimers and trimers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4478-4487.	2.8	38
7	In Situ Microarray Fabrication and Analysis Using a Microfluidic Flow Cell Array Integrated with Surface Plasmon Resonance Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 4296-4301.	6.5	31
8	Review: Applications of surface-enhanced fluorescence (SEF) spectroscopy in bio-detection and biosensing. <i>Sensing and Bio-Sensing Research</i> , 2020, 30, 100382.	4.2	31
9	Detection of Paracetamol in Water and Urea in Artificial Urine with Gold Nanoparticle@Al Foil Cost-efficient SERS Substrate. <i>Analytical Sciences</i> , 2018, 34, 183-187.	1.6	26
10	Commercial Gold Nanoparticles on Untreated Aluminum Foil: Versatile, Sensitive, and Cost-Effective SERS Substrate. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8.	2.7	22
11	Detection of RNA viruses from influenza and HIV to Ebola and SARS-CoV-2: a review. <i>Analytical Methods</i> , 2021, 13, 34-55.	2.7	22
12	How gap distance between gold nanoparticles in dimers and trimers on metallic and non-metallic SERS substrates can impact signal enhancement. <i>Nanoscale Advances</i> , 2021, 4, 268-280.	4.6	22
13	Sandwich SERS immunoassay of human immunoglobulin on silicon wafer compared to traditional SERS substrate, gold film. <i>Sensing and Bio-Sensing Research</i> , 2020, 29, 100355.	4.2	18
14	Strong Surface Enhanced Fluorescence of Carbon Dot Labeled Bacteria Cells Observed with High Contrast on Gold Film. <i>Journal of Fluorescence</i> , 2018, 28, 1-4.	2.5	14
15	Development and validation of hybrid Brillouin-Raman spectroscopy for non-contact assessment of mechano-chemical properties of urine proteins as biomarkers of kidney diseases. <i>BMC Nephrology</i> , 2020, 21, 229.	1.8	13
16	Aluminum foil as a substrate for metal enhanced fluorescence of bacteria labelled with quantum dots, shows very large enhancement and high contrast. <i>Sensing and Bio-Sensing Research</i> , 2020, 28, 100332.	4.2	8
17	High Contrast Surface Enhanced Fluorescence of Carbon Dot Labeled Bacteria Cells on Aluminum Foil. <i>Journal of Fluorescence</i> , 2020, 30, 1477-1482.	2.5	7
18	Raman, Infrared and Brillouin Spectroscopies of Biofluids for Medical Diagnostics and for Detection of Biomarkers.. <i>Critical Reviews in Analytical Chemistry</i> , 2022, , 1-30.	3.5	1

#	ARTICLE	IF	CITATIONS
19	P0666BRILLOUIN AND RAMAN SPECTROSCOPIES FOR NON-CONTACT ASSESSMENT OF MECHANO-CHEMICAL PROPERTIES OF URINARY PROTEINS: A PROOF OF CONCEPT STUDY. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0