Rostislav Bukasov

List of Publications by Year
in descending order

19	958	623734 14	839539 18
papers	citations	h-index	g-index

19	19	19	1210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of COVID-19 testing and diagnostic methods. Talanta, 2022, 244, 123409.	5.5	112
2	Raman, Infrared and Brillouin Spectroscopies of Biofluids for Medical Diagnostics and for Detection of Biomarkers.. Critical Reviews in Analytical Chemistry, 2022, , 1-30.	3.5	1
3	Review: Detection and quantification of proteins in human urine. Talanta, 2021, 223, 121718.	5.5	84
4	Detection of RNA viruses from influenza and HIV to Ebola and SARS-CoV-2: a review. Analytical Methods, 2021, 13, 34-55.	2.7	22
5	How gap distance between gold nanoparticles in dimers and trimers on metallic and non-metallic SERS substrates can impact signal enhancement. Nanoscale Advances, 2021, 4, 268-280.	4.6	22
6	Review: Applications of surface-enhanced fluorescence (SEF) spectroscopy in bio-detection and biosensing. Sensing and Bio-Sensing Research, 2020, 30, 100382.	4.2	31
7	High Contrast Surface Enhanced Fluorescence of Carbon Dot Labeled Bacteria Cells on Aluminum Foil. Journal of Fluorescence, 2020, 30, 1477-1482.	2.5	7
8	P0666BRILLOUIN AND RAMAN SPECTROSCOPIES FOR NON-CONTACT ASSESSMENT OF MECHANO-CHEMICAL PROPORTIES OF URINARY PROTEINS: A PROOF OF CONCEPT STUDY. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
9	Development and validation of hybrid Brillouin-Raman spectroscopy for non-contact assessment of mechano-chemical properties of urine proteins as biomarkers of kidney diseases. BMC Nephrology, 2020, 21, 229.	1.8	13
10	Sandwich SERS immunoassay of human immunoglobulin on silicon wafer compared to traditional SERS substrate, gold film. Sensing and Bio-Sensing Research, 2020, 29, 100355.	4.2	18
11	Aluminum foil as a substrate for metal enhanced fluorescence of bacteria labelled with quantum dots, shows very large enhancement and high contrast. Sensing and Bio-Sensing Research, 2020, 28, 100332.	4.2	8
12	Strong Surface Enhanced Florescence of Carbon Dot Labeled Bacteria Cells Observed with High Contrast on Gold Film. Journal of Fluorescence, 2018, 28, 1-4.	2.5	14
13	Detection of Paracetamol in Water and Urea in Artificial Urine with Gold Nanoparticle@Al Foil Cost-efficient SERS Substrate. Analytical Sciences, 2018, 34, 183-187.	1.6	26
14	Nanoparticleâ€“nanoparticle vs. nanoparticleâ€“substrate hot spot contributions to the SERS signal: studying Raman labelled monomers, dimers and trimers. Physical Chemistry Chemical Physics, 2017, 19, 4478-4487.	2.8	38
15	Commercial Gold Nanoparticles on Untreated Aluminum Foil: Versatile, Sensitive, and Cost-Effective SERS Substrate. Journal of Nanomaterials, 2017, 2017, 1-8.	2.7	22
16	Probing the Plasmonic Near-Field of Gold Nanocrescent Antennas. ACS Nano, 2010, 4, 6639-6650.	14.6	133
17	Silver Nanocrescents with Infrared Plasmonic Properties As Tunable Substrates for Surface Enhanced Infrared Absorption Spectroscopy. Analytical Chemistry, 2009, 81, 4531-4535.	6.5	73
18	In Situ Microarray Fabrication and Analysis Using a Microfluidic Flow Cell Array Integrated with Surface Plasmon Resonance Microscopy. Analytical Chemistry, 2009, 81, 4296-4301.	6.5	31

#	Article	IF	Citations
19	Highly Tunable Infrared Extinction Properties of Gold Nanocrescents. Nano Letters, 2007, 7, 1113-1118.	9.1	303