Evelin Witkowska

List of Publications by Year
in descending order

19 papers	791 citations	516710 16 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1307 citing authors

#	Article	IF	Citations
1	Detection of Hepatitis B virus antigen from human blood: SERS immunoassay in a microfluidic system. Biosensors and Bioelectronics, 2015, 66, 461-467.	10.1	132
2	Nanostructured silver–gold bimetallic SERS substrates for selective identification of bacteria in human blood. Analyst, The, 2014, 139, 1037.	3.5	110
3	SERS-based Immunoassay in a Microfluidic System for the Multiplexed Recognition of Interleukins from Blood Plasma: Towards Picogram Detection. Scientific Reports, 2017, 7, 10656.	3.3	75
4	Surface-enhanced Raman spectroscopy introduced into the International Standard Organization (ISO) regulations as an alternative method for detection and identification of pathogens in the food industry. Analytical and Bioanalytical Chemistry, 2017, 409, 1555-1567.	3.7	49
5	Detection and identification of human fungal pathogens using surface-enhanced Raman spectroscopy and principal component analysis. Analytical Methods, 2016, 8, 8427-8434.	2.7	47
6	Strain-level typing and identification of bacteria – a novel approach for SERS active plasmonic nanostructures. Analytical and Bioanalytical Chemistry, 2018, 410, 5019-5031.	3.7	47
7	Electrospun polymer mat as a SERS platform for the immobilization and detection of bacteria from fluids. Analyst, The, 2014, 139, 5061-5064.	3.5	41
8	Rapid detection and identification of bacterial meningitis pathogens in ex vivo clinical samples by SERS method and principal component analysis. Analytical Methods, 2016, 8, 4521-4529.	2.7	38
9	Detection of Circulating Tumor Cells Using Membrane-Based SERS Platform: A New Diagnostic Approach for ‘Liquid Biopsy’. Nanomaterials, 2019, 9, 366.	4.1	38
10	Sources of variability in SERS spectra of bacteria: comprehensive analysis of interactions between selected bacteria and plasmonic nanostructures. Analytical and Bioanalytical Chemistry, 2019, 411, 2001-2017.	3.7	37
11	Novel highly sensitive Cu–based SERS platforms for biosensing applications. Journal of Raman Spectroscopy, 2015, 46, 428-433.	2.5	35
12	Highly efficient SERS-based detection of cerebrospinal fluid neopterin as a diagnostic marker of bacterial infection. Analytical and Bioanalytical Chemistry, 2016, 408, 4319-4327.	3.7	28
13	Polymer mat prepared via Forcespinning™ as a SERS platform for immobilization and detection of bacteria from blood plasma. Materials Science and Engineering C, 2017, 71, 345-350.	7.3	28
14	Genus- and species-level identification of dermatophyte fungi by surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 285-290.	3.9	22
15	In Search of Spectroscopic Signatures of Periodontitis: A SERS-Based Magnetomicrofluidic Sensor for Detection of *Porphyromonas gingivalis* and *Aggregatibacter actinomycetemcomitans*. ACS Sensors, 2021, 6, 1621-1635.	7.8	18
16	SERS-based sensor for the detection of sexually transmitted pathogens in the male swab specimens: A new approach for clinical diagnosis. Biosensors and Bioelectronics, 2021, 189, 113358.	10.1	17
17	ABO blood groups' antigen–antibody interactions studied using SERS spectroscopy: towards blood typing. Analytical Methods, 2016, 8, 1463-1472.	2.7	13
18	Nanoplasmonic sensor for foodborne pathogens detection. Towards development of ISO–SERS methodology for taxonomic affiliation of *Campylobacter* spp.. Journal of Biophotonics, 2020, 13, e201960227.	2.3	12

#	Article	IF	Citations
19	Steel Wire Mesh as a Thermally Resistant SERS Substrate. Nanomaterials, 2018, 8, 663.	4.1	4