Aneta Aniela Kowalska

List of Publications by Year
in descending order

26 papers	525 citations	687363 13 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	900 citing authors

#	Article	IF	Citations
1	Lung Cancer: Spectral and Numerical Differentiation among Benign and Malignant Pleural Effusions Based on the Surface-Enhanced Raman Spectroscopy. Biomedicines, 2022, 10, 993.	3.2	2
2	<scp>SERS</scp>â€based sensor for direct Lâ€selectin level determination in plasma samples as alternative method of tumor detection. Journal of Biophotonics, 2021, 14, e202000318.	2.3	4
3	Association between grade brain tumors and the interleukinâ€10 receptor subunit alpha based on surfaceâ€enhanced Raman spectroscopy and multivariate analysis. Journal of Raman Spectroscopy, 2021, 52, 1788.	2.5	1
4	Brain tumour homogenates analysed by surface-enhanced Raman spectroscopy: Discrimination among healthy and cancer cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 117769.	3.9	15
5	Flexible PET/ITO/Ag SERS Platform for Label-Free Detection of Pesticides. Biosensors, 2019, 9, 111.	4.7	22
6	Comparative study of molecular recognition of folic acid subunits with cyclodextrins. Carbohydrate Polymers, 2018, 184, 47-56.	10.2	9
7	Strain-level typing and identification of bacteria â€“ a novel approach for SERS active plasmonic nanostructures. Analytical and Bioanalytical Chemistry, 2018, 410, 5019-5031.	3.7	47
8	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
9	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
10	Structural diversity in the hostâ€“guest complexes of the antifolate pemetrexed with native cyclodextrins: gas phase, solution and solid state studies. Beilstein Journal of Organic Chemistry, 2017, 13, 2252-2263.	2.2	8
11	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
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	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
14	ABO blood groups' antigenâ€“antibody interactions studied using SERS spectroscopy: towards blood typing. Analytical Methods, 2016, 8, 1463-1472.	2.7	13
15	Novel highly sensitive Cuâ€based SERS platforms for biosensing applications. Journal of Raman Spectroscopy, 2015, 46, 428-433.	2.5	35
16	ZnO oxide films for ultrasensitive, rapid, and label-free detection of neopterin by surface-enhanced Raman spectroscopy. Analyst, The, 2015, 140, 5090-5098.	3.5	12
17	Second-harmonic generation microscopy of ferroelectric organic conductor using hydrostatic pressure apparatus with Ar as a heat sink. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1189-1192.	0.8	3
18	Eâ€“mv coupling of vibrational overtone in organic conductors: Relationship to optical nonlinearities and ferroelectricity. Physica B: Condensed Matter, 2012, 407, 1775-1778.	2.7	5

#	Article	IF	Citations
19	Vibronic activation of molecular vibrational overtones in the infrared spectra of charge-ordered organic conductors. Physical Review B, 2011, 84, .	3.2	11
20	Direct observation of ferroelectric domains created by Wigner crystallization of electrons in Î±-[bis(ethylenedithio)tetrathiafulvalene]2I3. Applied Physics Letters, 2010, 96, .	3.3	51
21	Anisotropy in structural and physical properties in tetrathiafulvalene derivatives-based zone-cast layers as seen by Raman spectroscopy, UV-visible spectroscopy, and field effect measurements. Journal of Applied Physics, 2010, 108, 014504.	2.5	18
22	Crystal structure, band structure and electrical properties of Î²-(BEDT-TTF)2SbF6 grown on a Si(001) electrode. Synthetic Metals, 2010, 160, 556-560.	3.9	3
23	Thin layers of new salt, BET-TTF[Ni(dmit)2]2, electrodeposited on silicon wafers. Solid State Sciences, 2008, 10, 1777-1779.	3.2	0
24	Phase transitions and molecular motions in [Zn(NH3)4](BF4)2 studied by nuclear magnetic resonance, infrared and Raman spectroscopy. Journal of Physics and Chemistry of Solids, 2007, 68, 96-103.	4.0	15
25	Evaluation of charge transfer degree in the bis(ethylenethio)tetrathiafulvalene salts by Raman spectroscopy. Synthetic Metals, 2006, 156, 75-80.	3.9	4
26	Phase transitions and molecular motions in [Ni(ND3)6](ClO4)2. Journal of Solid State Chemistry, 2004, 177, 2733-2739.	2.9	10