

Aneta Aniela Kowalska

List of Publications by Year in descending order

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26
papers

525
citations

686830

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642321

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26
all docs

26
docs citations

26
times ranked

900
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS-based Immunoassay in a Microfluidic System for the Multiplexed Recognition of Interleukins from Blood Plasma: Towards Picogram Detection. <i>Scientific Reports</i> , 2017, 7, 10656.	1.6	75
2	Direct observation of ferroelectric domains created by Wigner crystallization of electrons in $\text{I}\pm\text{-}[\text{bis}(\text{ethylenedithio})\text{tetrathiafulvalene}]_2\text{I}_3$. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	51
3	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. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1555-1567.	1.9	49
4	Detection and identification of human fungal pathogens using surface-enhanced Raman spectroscopy and principal component analysis. <i>Analytical Methods</i> , 2016, 8, 8427-8434.	1.3	47
5	Strain-level typing and identification of bacteria – a novel approach for SERS active plasmonic nanostructures. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5019-5031.	1.9	47
6	Rapid detection and identification of bacterial meningitis pathogens in ex vivo clinical samples by SERS method and principal component analysis. <i>Analytical Methods</i> , 2016, 8, 4521-4529.	1.3	38
7	Novel highly sensitive Cu-based SERS platforms for biosensing applications. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 428-433.	1.2	35
8	Highly efficient SERS-based detection of cerebrospinal fluid neopterin as a diagnostic marker of bacterial infection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4319-4327.	1.9	28
9	Flexible PET/ITO/Ag SERS Platform for Label-Free Detection of Pesticides. <i>Biosensors</i> , 2019, 9, 111.	2.3	22
10	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. <i>Journal of Applied Physics</i> , 2010, 108, 014504.	1.1	18
11	Phase transitions and molecular motions in $[\text{Zn}(\text{NH}_3)_4](\text{BF}_4)_2$ studied by nuclear magnetic resonance, infrared and Raman spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 96-103.	1.9	15
12	Brain tumour homogenates analysed by surface-enhanced Raman spectroscopy: Discrimination among healthy and cancer cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 117769.	2.0	15
13	ABO blood groups' antigen-antibody interactions studied using SERS spectroscopy: towards blood typing. <i>Analytical Methods</i> , 2016, 8, 1463-1472.	1.3	13
14	ZnO oxide films for ultrasensitive, rapid, and label-free detection of neopterin by surface-enhanced Raman spectroscopy. <i>Analyst</i> , The, 2015, 140, 5090-5098.	1.7	12
15	Vibronic activation of molecular vibrational overtones in the infrared spectra of charge-ordered organic conductors. <i>Physical Review B</i> , 2011, 84, .	1.1	11
16	Phase transitions and molecular motions in $[\text{Ni}(\text{ND}_3)_6](\text{ClO}_4)_2$. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2733-2739.	1.4	10
17	Comparative study of molecular recognition of folic acid subunits with cyclodextrins. <i>Carbohydrate Polymers</i> , 2018, 184, 47-56.	5.1	9
18	Structural diversity in the host-guest complexes of the antifolate pemetrexed with native cyclodextrins: gas phase, solution and solid state studies. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2252-2263.	1.3	8

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19	Eâ€“mv coupling of vibrational overtone in organic conductors: Relationship to optical nonlinearities and ferroelectricity. <i>Physica B: Condensed Matter</i> , 2012, 407, 1775-1778.	1.3	5
20	Evaluation of charge transfer degree in the bis(ethylenethio)tetrathiafulvalene salts by Raman spectroscopy. <i>Synthetic Metals</i> , 2006, 156, 75-80.	2.1	4
21	<scp>SERS</scp>-based sensor for direct Lâ€“selectin level determination in plasma samples as alternative method of tumor detection. <i>Journal of Biophotonics</i> , 2021, 14, e202000318.	1.1	4
22	Crystal structure, band structure and electrical properties of β -(BEDT-TTF) ₂ SbF ₆ grown on a Si(001) electrode. <i>Synthetic Metals</i> , 2010, 160, 556-560.	2.1	3
23	Second-harmonic generation microscopy of ferroelectric organic conductor using hydrostatic pressure apparatus with Ar as a heat sink. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1189-1192.	0.8	3
24	Lung Cancer: Spectral and Numerical Differentiation among Benign and Malignant Pleural Effusions Based on the Surface-Enhanced Raman Spectroscopy. <i>Biomedicines</i> , 2022, 10, 993.	1.4	2
25	Association between grade brain tumors and the interleukinâ€“10 receptor subunit alpha based on surfaceâ€“enhanced Raman spectroscopy and multivariate analysis. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1788.	1.2	1
26	Thin layers of new salt, BET-TTF[Ni(dmit) ₂] ₂ , electrodeposited on silicon wafers. <i>Solid State Sciences</i> , 2008, 10, 1777-1779.	1.5	0