Agnieszka Michota-KamiÅ„ska

List of Publications by Year
in descending order

68 papers	2,652 citations	201385 27 h-index	189595 50 g-index
72 all docs	72 docs citations	72 times ranked	4194 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.	1.4	2
2	<scp>SERS</scp>‐based sensor for direct L‐selectin level determination in plasma samples as alternative method of tumor detection. Journal of Biophotonics, 2021, 14, e202000318.	1.1	4
3	Combined negative dielectrophoresis with a flexible SERS platform as a novel strategy for rapid detection and identification of bacteria. Analytical and Bioanalytical Chemistry, 2021, 413, 2007-2020.	1.9	15
4	In Search of Spectroscopic Signatures of Periodontitis: A SERS-Based Magnetomicrofluidic Sensor for Detection of <i>Porphyromonas gingivalis</i> and <i>Aggregatibacter actinomycetemcomitans</i>. ACS Sensors, 2021, 6, 1621-1635.	4.0	18
5	Ultrasensitive SERS platform made via femtosecond laser micromachining for biomedical applications. Journal of Materials Research and Technology, 2021, 12, 1496-1507.	2.6	28
6	Association between grade brain tumors and the interleukin‐10 receptor subunit alpha based on surface‐enhanced Raman spectroscopy and multivariate analysis. Journal of Raman Spectroscopy, 2021, 52, 1788.	1.2	1
7	Raman spectroscopy and surface-enhanced Raman spectroscopy (SERS) spectra of salivary glands carcinoma, tumor and healthy tissues and their homogenates analyzed by chemometry: Towards development of the novel tool for clinical diagnosis. Analytica Chimica Acta, 2021, 1177, 338784.	2.6	18
8	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.	5.3	17
9	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.	2.0	15
10	Effect of Varying Expression of EpCAM on the Efficiency of CTCs Detection by SERS-Based Immunomagnetic Optofluidic Device. Cancers, 2020, 12, 3315.	1.7	13
11	Surface-enhanced Raman scattering as a discrimination method of Streptococcus spp. and alternative approach for identifying capsular types of S. pneumoniae isolates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118088.	2.0	6
12	Nanoplasmonic sensor for foodborne pathogens detection. Towards development of ISO‐SERS methodology for taxonomic affiliation of <i>Campylobacter</i> spp.. Journal of Biophotonics, 2020, 13, e201960227.	1.1	12
13	Detection of circulating tumor cells in blood by shell-isolated nanoparticle – enhanced Raman spectroscopy (SHINERS) in microfluidic device. Scientific Reports, 2019, 9, 9267.	1.6	36
14	Flexible PET/ITO/Ag SERS Platform for Label-Free Detection of Pesticides. Biosensors, 2019, 9, 111.	2.3	22
15	Detection of Circulating Tumor Cells Using Membrane-Based SERS Platform: A New Diagnostic Approach for 'Liquid Biopsy'. Nanomaterials, 2019, 9, 366.	1.9	38
16	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.	1.9	37
17	Gold Nanoparticles Functionalized with Fully Conjugated Fullerene C₆₀ Derivatives as a Material with Exceptional Capability of Absorbing Electrons. Journal of Physical Chemistry C, 2019, 123, 6229-6240.	1.5	8
18	Photovoltaic cells as a highly efficient system for biomedical and electrochemical surface-enhanced Raman spectroscopy analysis. RSC Advances, 2019, 9, 576-591.	1.7	9

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19	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride. Applied Catalysis B: Environmental, 2019, 244, 272-283.	10.8	235
20	Gold-capped silicon for ultrasensitive SERS-biosensing: Towards human biofluids analysis. Materials Science and Engineering C, 2018, 84, 208-217.	3.8	25
21	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.	2.0	22
22	Strain-level typing and identification of bacteria – a novel approach for SERS active plasmonic nanostructures. Analytical and Bioanalytical Chemistry, 2018, 410, 5019-5031.	1.9	47
23	Steel Wire Mesh as a Thermally Resistant SERS Substrate. Nanomaterials, 2018, 8, 663.	1.9	4
24	Dual Functionality of TiO_2/Biochar Hybrid Materials: Photocatalytic Phenol Degradation in the Liquid Phase and Selective Oxidation of Methanol in the Gas Phase. ACS Sustainable Chemistry and Engineering, 2017, 5, 6274-6287.	3.2	130
25	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.	1.9	49
26	SERS-based Immunoassay in a Microfluidic System for the Multiplexed Recognition of Interleukins from Blood Plasma: Towards Picogram Detection. Scientific Reports, 2017, 7, 10656.	1.6	75
27	Ultrasensitive SERS immunoassay based on diatom biosilica for detection of interleukins in blood plasma. Analytical and Bioanalytical Chemistry, 2017, 409, 6337-6347.	1.9	51
28	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.	3.8	28
29	Detection and identification of human fungal pathogens using surface-enhanced Raman spectroscopy and principal component analysis. Analytical Methods, 2016, 8, 8427-8434.	1.3	47
30	Highly efficient SERS-based detection of cerebrospinal fluid neopterin as a diagnostic marker of bacterial infection. Analytical and Bioanalytical Chemistry, 2016, 408, 4319-4327.	1.9	28
31	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.	1.3	38
32	ABO blood groups' antigen–antibody interactions studied using SERS spectroscopy: towards blood typing. Analytical Methods, 2016, 8, 1463-1472.	1.3	13
33	Novel highly sensitive Cu–based SERS platforms for biosensing applications. Journal of Raman Spectroscopy, 2015, 46, 428-433.	1.2	35
34	ZnO oxide films for ultrasensitive, rapid, and label-free detection of neopterin by surface-enhanced Raman spectroscopy. Analyst, The, 2015, 140, 5090-5098.	1.7	12
35	Detection of Hepatitis B virus antigen from human blood: SERS immunoassay in a microfluidic system. Biosensors and Bioelectronics, 2015, 66, 461-467.	5.3	132
36	Towards improved precision in the quantification of surface-enhanced Raman scattering (SERS) enhancement factors: a renewed approach. Analyst, The, 2015, 140, 489-496.	1.7	13

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37	Electrochemical pathway for the quantification of SERS enhancement factor. Electrochemistry Communications, 2014, 49, 103-106.	2.3	5
38	Electrospun polymer mat as a SERS platform for the immobilization and detection of bacteria from fluids. Analyst, The, 2014, 139, 5061-5064.	1.7	41
39	A new algorithm for identification of components in a mixture: application to Raman spectra of solid amino acids. Analyst, The, 2014, 139, 5755-5764.	1.7	3
40	All-Wurtzite (In,Ga)As-(Ga,Mn)As Core–Shell Nanowires Grown by Molecular Beam Epitaxy. Nano Letters, 2014, 14, 4263-4272.	4.5	29
41	Nanostructured silver–gold bimetallic SERS substrates for selective identification of bacteria in human blood. Analyst, The, 2014, 139, 1037.	1.7	110
42	Raman Spectra of Solid Amino Acids: Spectral Correlation Analysis as the First Step Towards Identification by Raman Spectroscopy. Challenges and Advances in Computational Chemistry and Physics, 2014, , 329-354.	0.6	5
43	Regenerative silver nanoparticles for SERRS investigation of metmyoglobin with conserved heme pocket. RSC Advances, 2013, 3, 6839.	1.7	7
44	Electrodeposition for preparation of efficient surface-enhanced Raman scattering-active silver nanoparticle substrates for neurotransmitter detection. Electrochimica Acta, 2013, 89, 284-291.	2.6	27
45	ZnTe nanowires overgrown by atomic layer deposited (Zn,Co) oxides: Raman scattering studies. , 2012, , .		0
46	GaN-based platforms with Au-Ag alloyed metal layer for surface enhanced Raman scattering. Journal of Applied Physics, 2012, 112, .	1.1	13
47	Plasmon-Tuned Silver Colloids for SERRS Analysis of Methemoglobin with Preserved Nativity. Langmuir, 2012, 28, 14357-14363.	1.6	20
48	Three Steps of Hierarchical Self Assembly Toward a Stable and Efficient Surface Enhanced Raman Spectroscopy Platform. Chemistry of Materials, 2012, 24, 3667-3673.	3.2	14
49	Electrodeposition of Well-Adhered Multifarious Au Particles at a Solid|Toluene|Aqueous Electrolyte Three-Phase Junction. Journal of Physical Chemistry C, 2012, 116, 22476-22485.	1.5	22
50	Immobilization of galactose oxidase on self–assembled monolayers of thiols on Au and Ag surfaces. Journal of Raman Spectroscopy, 2012, 43, 959-962.	1.2	5
51	Highly reproducible, stable and multiply regenerated surface-enhanced Raman scattering substrate for biomedical applications. Journal of Materials Chemistry, 2011, 21, 8662.	6.7	65
52	Gold Micro-Flowers: One-Step Fabrication of Efficient, Highly Reproducible Surface-Enhanced Raman Spectroscopy Platform. Plasmonics, 2011, 6, 697-704.	1.8	23
53	Selected optical properties of core/shell ZnMnTe/ZnO nanowire structures. Physica Status Solidi (B): Basic Research, 2011, 248, 1592-1595.	0.7	10
54	The impact of adsorption of bovine pancreatic trypsin inhibitor on CTAB–protected gold nanoparticle arrays: a Raman spectroscopic comparison with solution denaturation. Journal of Raman Spectroscopy, 2010, 41, 130-135.	1.2	3

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55	Pyrene-functionalised single-walled carbon nanotubes for mediatorless dioxygen bioelectrocatalysis. Electrochimica Acta, 2010, 55, 8744-8750.	2.6	60
56	SERS Active Surface Based on Au–Coated Porous GaN. , 2010, , .		1
57	Electrochemical and spectroscopic characterization of poly(1,8-diaminocarbazole): Part II. Electrochemical, in situ vis/NIR and Raman studies of redox reaction of PDACz in protic and aprotic media. Electrochimica Acta, 2009, 54, 4751-4759.	2.6	10
58	Chemically bound gold nanoparticle arrays on silicon: assembly, properties and SERS study of protein interactions. Physical Chemistry Chemical Physics, 2008, 10, 4172.	1.3	62
59	Facile electrochemical fabrication of polymeric templates for spatially selective deposition of metals. Electrochemistry Communications, 2007, 9, 2418-2422.	2.3	8
60	Immobilization of laccase on gold, silver and indium tin oxide by zirconium–phosphonate–carboxylate (ZPC) coordination chemistry. Bioelectrochemistry, 2007, 71, 15-22.	2.4	43
61	Surface-catalyzed growth of poly(2-methoxyaniline) on gold. Electrochimica Acta, 2007, 52, 5669-5676.	2.6	18
62	Properties of native and hydrophobic laccases immobilized in the liquid-crystalline cubic phase on electrodes. Journal of Biological Inorganic Chemistry, 2007, 12, 335-344.	1.1	41
63	Electroreduction of laccase covalently bound to organothiol monolayers on gold electrodes. Electrochimica Acta, 2007, 52, 5591-5598.	2.6	50
64	Resonance Raman Evidence of Immobilization of Laccase on Self-Assembled Monolayers of Thiols on Ag and Au Surfaces. Applied Spectroscopy, 2006, 60, 752-757.	1.2	16
65	Surface-enhanced Raman scattering (SERS) of 4-mercaptobenzoic acid on silver and gold substrates. Journal of Raman Spectroscopy, 2003, 34, 21-25.	1.2	516
66	Molecular structure of cysteamine monolayers on silver and gold substrates. Surface Science, 2002, 502-503, 214-218.	0.8	49
67	Influence of electrolytes on the structure of cysteamine monolayer on silver studied by surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2001, 32, 345-350.	1.2	38
68	Chemisorption of Cysteamine on Silver Studied by Surface-Enhanced Raman Scattering. Langmuir, 2000, 16, 10236-10242.	1.6	52