

Agnieszka Michota-Kamińska

List of Publications by Year in descending order

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Version: 2024-02-01

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	Surface-enhanced Raman scattering (SERS) of 4-mercaptobenzoic acid on silver and gold substrates. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 21-25.	1.2	516
2	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 272-283.	10.8	235
3	Detection of Hepatitis B virus antigen from human blood: SERS immunoassay in a microfluidic system. <i>Biosensors and Bioelectronics</i> , 2015, 66, 461-467.	5.3	132
4	Dual Functionality of TiO ₂ /Biochar Hybrid Materials: Photocatalytic Phenol Degradation in the Liquid Phase and Selective Oxidation of Methanol in the Gas Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6274-6287.	3.2	130
5	Nanostructured silver-gold bimetallic SERS substrates for selective identification of bacteria in human blood. <i>Analyst</i> , 2014, 139, 1037.	1.7	110
6	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
7	Highly reproducible, stable and multiply regenerated surface-enhanced Raman scattering substrate for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 8662.	6.7	65
8	Chemically bound gold nanoparticle arrays on silicon: assembly, properties and SERS study of protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4172.	1.3	62
9	Pyrene-functionalised single-walled carbon nanotubes for mediatorless dioxygen bioelectrocatalysis. <i>Electrochimica Acta</i> , 2010, 55, 8744-8750.	2.6	60
10	Chemisorption of Cysteamine on Silver Studied by Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2000, 16, 10236-10242.	1.6	52
11	Ultrasensitive SERS immunoassay based on diatom biosilica for detection of interleukins in blood plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6337-6347.	1.9	51
12	Electroreduction of laccase covalently bound to organothiol monolayers on gold electrodes. <i>Electrochimica Acta</i> , 2007, 52, 5591-5598.	2.6	50
13	Molecular structure of cysteamine monolayers on silver and gold substrates. <i>Surface Science</i> , 2002, 502-503, 214-218.	0.8	49
14	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
15	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
16	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
17	Immobilization of laccase on gold, silver and indium tin oxide by zirconium-phosphonate-carboxylate (ZPC) coordination chemistry. <i>Bioelectrochemistry</i> , 2007, 71, 15-22.	2.4	43
18	Properties of native and hydrophobic laccases immobilized in the liquid-crystalline cubic phase on electrodes. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 335-344.	1.1	41

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19	Electrospun polymer mat as a SERS platform for the immobilization and detection of bacteria from fluids. <i>Analyst</i> , 2014, 139, 5061-5064.	1.7	41
20	Influence of electrolytes on the structure of cysteamine monolayer on silver studied by surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 345-350.	1.2	38
21	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
22	Detection of Circulating Tumor Cells Using Membrane-Based SERS Platform: A New Diagnostic Approach for "Liquid Biopsy". <i>Nanomaterials</i> , 2019, 9, 366.	1.9	38
23	Sources of variability in SERS spectra of bacteria: comprehensive analysis of interactions between selected bacteria and plasmonic nanostructures. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2001-2017.	1.9	37
24	Detection of circulating tumor cells in blood by shell-isolated nanoparticle-enhanced Raman spectroscopy (SHINERS) in microfluidic device. <i>Scientific Reports</i> , 2019, 9, 9267.	1.6	36
25	Novel highly sensitive Cu-based SERS platforms for biosensing applications. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 428-433.	1.2	35
26	All-Wurtzite (In,Ga)As-(Ga,Mn)As Core-Shell Nanowires Grown by Molecular Beam Epitaxy. <i>Nano Letters</i> , 2014, 14, 4263-4272.	4.5	29
27	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
28	Polymer mat prepared via Forcespinning as a SERS platform for immobilization and detection of bacteria from blood plasma. <i>Materials Science and Engineering C</i> , 2017, 71, 345-350.	3.8	28
29	Ultrasensitive SERS platform made via femtosecond laser micromachining for biomedical applications. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1496-1507.	2.6	28
30	Electrodeposition for preparation of efficient surface-enhanced Raman scattering-active silver nanoparticle substrates for neurotransmitter detection. <i>Electrochimica Acta</i> , 2013, 89, 284-291.	2.6	27
31	Gold-capped silicon for ultrasensitive SERS-biosensing: Towards human biofluids analysis. <i>Materials Science and Engineering C</i> , 2018, 84, 208-217.	3.8	25
32	Gold Micro-Flowers: One-Step Fabrication of Efficient, Highly Reproducible Surface-Enhanced Raman Spectroscopy Platform. <i>Plasmonics</i> , 2011, 6, 697-704.	1.8	23
33	Electrodeposition of Well-Adhered Multifarious Au Particles at a Solid Toluene Aqueous Electrolyte Three-Phase Junction. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22476-22485.	1.5	22
34	Genus- and species-level identification of dermatophyte fungi by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 285-290.	2.0	22
35	Flexible PET/ITO/Ag SERS Platform for Label-Free Detection of Pesticides. <i>Biosensors</i> , 2019, 9, 111.	2.3	22
36	Plasmon-Tuned Silver Colloids for SERRS Analysis of Methemoglobin with Preserved Nativity. <i>Langmuir</i> , 2012, 28, 14357-14363.	1.6	20

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37	Surface-catalyzed growth of poly(2-methoxyaniline) on gold. <i>Electrochimica Acta</i> , 2007, 52, 5669-5676.	2.6	18
38	In Search of Spectroscopic Signatures of Periodontitis: A SERS-Based Magnetomicrofluidic Sensor for Detection of <i>Porphyrromonas gingivalis</i> and <i>Aggregatibacter actinomycetemcomitans</i> . <i>ACS Sensors</i> , 2021, 6, 1621-1635.	4.0	18
39	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. <i>Analytica Chimica Acta</i> , 2021, 1177, 338784.	2.6	18
40	SERS-based sensor for the detection of sexually transmitted pathogens in the male swab specimens: A new approach for clinical diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113358.	5.3	17
41	Resonance Raman Evidence of Immobilization of Laccase on Self-Assembled Monolayers of Thiols on Ag and Au Surfaces. <i>Applied Spectroscopy</i> , 2006, 60, 752-757.	1.2	16
42	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
43	Combined negative dielectrophoresis with a flexible SERS platform as a novel strategy for rapid detection and identification of bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2007-2020.	1.9	15
44	Three Steps of Hierarchical Self Assembly Toward a Stable and Efficient Surface Enhanced Raman Spectroscopy Platform. <i>Chemistry of Materials</i> , 2012, 24, 3667-3673.	3.2	14
45	GaN-based platforms with Au-Ag alloyed metal layer for surface enhanced Raman scattering. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	13
46	Towards improved precision in the quantification of surface-enhanced Raman scattering (SERS) enhancement factors: a renewed approach. <i>Analyst</i> , The, 2015, 140, 489-496.	1.7	13
47	ABO blood groups' antigen-antibody interactions studied using SERS spectroscopy: towards blood typing. <i>Analytical Methods</i> , 2016, 8, 1463-1472.	1.3	13
48	Effect of Varying Expression of EpCAM on the Efficiency of CTCs Detection by SERS-Based Immunomagnetic Optofluidic Device. <i>Cancers</i> , 2020, 12, 3315.	1.7	13
49	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
50	Nanoplasmonic sensor for foodborne pathogens detection. Towards development of ISO-SERS methodology for taxonomic affiliation of <i>Campylobacter</i> spp.. <i>Journal of Biophotonics</i> , 2020, 13, e201960227.	1.1	12
51	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. <i>Electrochimica Acta</i> , 2009, 54, 4751-4759.	2.6	10
52	Selected optical properties of core/shell ZnMnTe/ZnO nanowire structures. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1592-1595.	0.7	10
53	Photovoltaic cells as a highly efficient system for biomedical and electrochemical surface-enhanced Raman spectroscopy analysis. <i>RSC Advances</i> , 2019, 9, 576-591.	1.7	9
54	Facile electrochemical fabrication of polymeric templates for spatially selective deposition of metals. <i>Electrochemistry Communications</i> , 2007, 9, 2418-2422.	2.3	8

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55	Gold Nanoparticles Functionalized with Fully Conjugated Fullerene C ₆₀ Derivatives as a Material with Exceptional Capability of Absorbing Electrons. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6229-6240.	1.5	8
56	Regenerative silver nanoparticles for SERRS investigation of metmyoglobin with conserved heme pocket. <i>RSC Advances</i> , 2013, 3, 6839.	1.7	7
57	Surface-enhanced Raman scattering as a discrimination method of <i>Streptococcus</i> spp. and alternative approach for identifying capsular types of <i>S. pneumoniae</i> isolates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118088.	2.0	6
58	Immobilization of galactose oxidase on self-assembled monolayers of thiols on Au and Ag surfaces. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 959-962.	1.2	5
59	Electrochemical pathway for the quantification of SERS enhancement factor. <i>Electrochemistry Communications</i> , 2014, 49, 103-106.	2.3	5
60	Raman Spectra of Solid Amino Acids: Spectral Correlation Analysis as the First Step Towards Identification by Raman Spectroscopy. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 329-354.	0.6	5
61	Steel Wire Mesh as a Thermally Resistant SERS Substrate. <i>Nanomaterials</i> , 2018, 8, 663.	1.9	4
62	SERS-based sensor for direct L-selectin level determination in plasma samples as alternative method of tumor detection. <i>Journal of Biophotonics</i> , 2021, 14, e202000318.	1.1	4
63	The impact of adsorption of bovine pancreatic trypsin inhibitor on CTAB-protected gold nanoparticle arrays: a Raman spectroscopic comparison with solution denaturation. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 130-135.	1.2	3
64	A new algorithm for identification of components in a mixture: application to Raman spectra of solid amino acids. <i>Analyst</i> , 2014, 139, 5755-5764.	1.7	3
65	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
66	SERS Active Surface Based on Au-Coated Porous GaN. , 2010, , .		1
67	Association between grade brain tumors and the interleukin-10 receptor subunit alpha based on surface-enhanced Raman spectroscopy and multivariate analysis. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1788.	1.2	1
68	ZnTe nanowires overgrown by atomic layer deposited (Zn,Co) oxides: Raman scattering studies. , 2012, , .		0