Agata KrÃ³likowska

List of Publications by Year
in descending order

32 papers	741 citations	567281 15 h-index	552781 26 g-index
35 all docs	35 docs citations	35 times ranked	1230 citing authors

#	Article	IF	Citations
1	Reduced Self-Aggregation and Improved Stability of Silica-Coated Fe3O4/Ag SERS-Active Nanotags Functionalized With 2-Mercaptoethanesulfonate. Frontiers in Chemistry, 2021, 9, 697595.	3.6	9
2	Editorial: Novel SERS-Active Materials and Substrates: Sensing and (Bio)applications. Frontiers in Chemistry, 2021, 9, 784735.	3.6	0
3	Preparation and characterization of CdSe/POMA photoactive composites electrochemically grown on HOPG surfaces. Journal of Electroanalytical Chemistry, 2020, 875, 114128.	3.8	2
4	SERS and DFT Study of Noble-Metal-Anchored Cys-Trp/Trp-Cys Dipeptides: Influence of Main-Chain Direction and Terminal Modifications. Journal of Physical Chemistry C, 2020, 124, 7097-7116.	3.1	16
5	Reduced graphene oxide doping with nanometer-sized ferrocene moieties â€“ New active material for glucose redox sensors. Biosensors and Bioelectronics, 2019, 128, 23-31.	10.1	24
6	Combination of copolymer film (PPy-PPyCOOH) and magnetic nanoparticles as an electroactive and biocompatible platform for electrochemical purposes. Electrochimica Acta, 2018, 263, 454-464.	5.2	13
7	Physicochemical properties and in vitro cytotoxicity of iron oxide-based nanoparticles modified with antiangiogenic and antitumor peptide A7R. Journal of Nanoparticle Research, 2017, 19, 160.	1.9	11
8	Ultrasensitive and towards single molecule SERS: general discussion. Faraday Discussions, 2017, 205, 291-330.	3.2	11
9	SERS in biology/biomedical SERS: general discussion. Faraday Discussions, 2017, 205, 429-456.	3.2	22
10	Theory of SERS enhancement: general discussion. Faraday Discussions, 2017, 205, 173-211.	3.2	27
11	Hydrophilic iron oxide nanoparticles probe the organization of biomimetic layers: electrochemical and spectroscopic evidence. Electrochimica Acta, 2016, 209, 671-681.	5.2	9
12	Fungal Ferromanganese Mineralisation in Cretaceous Dinosaur Bones from the Gobi Desert, Mongolia. PLoS ONE, 2016, 11, e0146293.	2.5	22
13	Probing the interactions of mitoxantrone with biomimetic membranes with electrochemical and spectroscopic techniques. Electrochimica Acta, 2015, 165, 430-442.	5.2	14
14	Nanoporous WO₃â€“Fe₂O₃ films; structural and photo-electrochemical characterization. Functional Materials Letters, 2014, 07, 1440006.	1.2	9
15	A SERS-based pH sensor utilizing 3-amino-5-mercapto-1,2,4-triazole functionalized Ag nanoparticles. Analyst, The, 2014, 139, 1101.	3.5	36
16	Exchange of Methylâ€•and Azobenzeneâ€Terminated Alkanethiols on Polycrystalline Gold Studied by Tipâ€Enhanced Raman Mapping. ChemPhysChem, 2014, 15, 276-282.	2.1	17
17	pH and Substrate Effect on Adsorption of Peptides Containing Z and E Dehydrophenylalanine. Surface-Enhanced Raman Spectroscopy Studies on Ag Nanocolloids and Electrodes. Journal of Physical Chemistry B, 2014, 118, 4025-4036.	2.6	8
18	Partitioning of doxorubicin into Langmuir and Langmuirâ€“Blodgett biomimetic mixed monolayers: Electrochemical and spectroscopic studies. Journal of Electroanalytical Chemistry, 2013, 710, 59-69.	3.8	9

#	Article	IF	Citations
19	Surface-enhanced resonance Raman scattering (SERRS) as a tool for the studies of electron transfer proteins attached to biomimetic surfaces: Case of cytochrome c. Electrochimica Acta, 2013, 111, 952-995.	5.2	17
20	Structural and photoelectrochemical investigation of boron-modified nanostructured tungsten trioxide films. Electrochimica Acta, 2013, 104, 282-288.	5.2	26
21	Interactions of Doxorubicin with Organized Interfacial Assemblies. 2. Spectroscopic Characterization. Langmuir, 2013, 29, 14570-14579.	3.5	9
22	Enhancement of WO3 Performance through Resonance Coupling with Ag Nanoparticles. Energy Procedia, 2012, 22, 137-146.	1.8	4
23	Comparative Studies on IR, Raman, and Surface Enhanced Raman Scattering Spectroscopy of Dipeptides Containing Î”Ala and Î”Phe. Journal of Physical Chemistry B, 2012, 116, 1414-1425.	2.6	16
24	Mineral microbial structures in a bone of the Late Cretaceous dinosaur Saurolophus angustirostris from the Gobi Desert, Mongolia â€” a Raman spectroscopy study. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 358-360, 51-61.	2.3	26
25	The coreâ€“shell nature of nanostructured WO3 photoelectrodes demonstrated in spectroelectrochemical studies. Journal of Electroanalytical Chemistry, 2011, 662, 229-239.	3.8	16
26	Construction of DNA biosensor at glassy carbon surface modified with 4-aminoethylbenzenediazonium salt. Biosensors and Bioelectronics, 2011, 26, 2506-2512.	10.1	28
27	Silver Nanoparticle Induced Photocurrent Enhancement at WO₃ Photoanodes. Angewandte Chemie - International Edition, 2010, 49, 7980-7983.	13.8	105
28	Surfaceâ€enhanced resonance Raman spectroscopic characterization of cytochrome c immobilized on 2â€mercaptoethanesulfonate monolayers on silver. Journal of Raman Spectroscopy, 2010, 41, 1621-1631.	2.5	14
29	Structure and composition of binary monolayers self-assembled from sodium 2-mercaptoetanosulfonate and mercaptoundecanol mixed solutions on silver and gold supports. Physical Chemistry Chemical Physics, 2009, 11, 3390.	2.8	17
30	Self-assembled monolayers of mercaptosuccinic acid monolayers on silver and gold surfaces designed for protein binding. Part II: vibrational spectroscopy studies on cytochromec immobilization. Journal of Raman Spectroscopy, 2007, 38, 943-949.	2.5	9
31	Self-assembled monolayers of mercaptosuccinic acid on silver and gold surfaces designed for protein binding. Part I: structure of the monolayer. Journal of Raman Spectroscopy, 2007, 38, 936-942.	2.5	21
32	SERS studies on the structure of thioglycolic acid monolayers on silver and gold. Surface Science, 2003, 532-535, 227-232.	1.9	158