Ewelina Wiercigroch

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Raman and infrared spectroscopy of carbohydrates: A review. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 317-335.	3.9	654
2	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. Analytical Chemistry, 2020, 92, 4053-4064.	6.5	50
3	Electrochemical synthesis and characterization of dark nanoporous zinc oxide films. Electrochimica Acta, 2019, 305, 349-359.	5.2	39
4	Band gap engineering of nanotubular Fe2O3-TiO2 photoanodes by wet impregnation. Applied Surface Science, 2020, 517, 146195.	6.1	39
5	Effects of anodizing conditions and annealing temperature on the morphology and crystalline structure of anodic oxide layers grown on iron. Applied Surface Science, 2017, 426, 1084-1093.	6.1	32
6	Raman Optical Activity and Raman spectroscopy of carbohydrates in solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 597-612.	3.9	32
7	A possible Fourier transform infraredâ€based plasma fingerprint of angiotensinâ€converting enzyme inhibitorâ€induced reversal of endothelial dysfunction in diabetic mice. Journal of Biophotonics, 2018, 11, e201700044.	2.3	24
8	The effect of anodizing potential and annealing conditions on the morphology, composition and photoelectrochemical activity of porous anodic tin oxide films. Electrochimica Acta, 2019, 319, 18-30.	5.2	22
9	Raman microscopy as a novel tool to detect endothelial dysfunction. Pharmacological Reports, 2015, 67, 736-743.	3.3	21
10	Fourier transform infrared spectroscopic signature of blood plasma in the progression of breast cancer with simultaneous metastasis to lungs. Journal of Biophotonics, 2019, 12, e201900067.	2.3	14
11	Infrared and Raman spectroscopy of automotive paints for forensic identification of natural weathering. Analytical Methods, 2018, 10, 1203-1212.	2.7	13
12	FT-IR Spectroscopic Imaging of Endothelial Cells Response to Tumor Necrosis Factor-α: To Follow Markers of Inflammation Using Standard and High-Magnification Resolution. Analytical Chemistry, 2018, 90, 3727-3736.	6.5	12
13	ImmunoSERS microscopy for the detection of smooth muscle cells in atherosclerotic plaques. Biosensors and Bioelectronics, 2019, 133, 79-85.	10.1	9
14	Photocatalytic deposition of plasmonic Au nanostructures on a semiconductor substrate to enhance Raman sensitivity. Applied Surface Science, 2020, 529, 147021.	6.1	9
15	Fast fabrication of nanostructured semiconducting oxides by anodic oxidation of brass. Materials Science in Semiconductor Processing, 2020, 113, 105035.	4.0	8
16	Enhanced visible light photoelectrochemical water splitting using nanotubular FeOx-TiO2 annealed at different temperatures. Journal of Power Sources, 2021, 507, 230274.	7.8	8
17	Molecular profiling of the intestinal mucosa and immune cells of the colon by multi-parametric histological techniques. Scientific Reports, 2021, 11, 11309.	3.3	7
18	Dual-enhancement and dual-tag design for SERS-based sandwich immunoassays: evaluation of a metal–metal effect in 3D architecture. Mikrochimica Acta, 2022, 189, 32.	5.0	7

#	Article	IF	CITATIONS
19	Photocatalytical decoration of thin titania coatings with silver nanostructures provides a robust and reproducible SERS signal. Journal of Raman Spectroscopy, 2019, 50, 1649-1660.	2.5	6
20	Diversity among endothelial cell lines revealed by Raman and Fourier-transform infrared spectroscopic imaging. Analyst, The, 2018, 143, 4323-4334.	3.5	5
21	Visible-light sensitization of anodic tungsten oxide layers with CuWO4. Electrochimica Acta, 2021, 368, 137591.	5.2	5
22	Small and Large Molecules Investigated by Raman Spectroscopy. Challenges and Advances in Computational Chemistry and Physics, 2019, , 161-198.	0.6	1
23	Vibrational imaging of proteins: changes in the tissues and cells in the lifestyle disease studies. , 2020, , 177-218.		1