

Ewelina Wiercigroch

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,018
citations

758635

12
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman and infrared spectroscopy of carbohydrates: A review. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 317-335.	2.0	654
2	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	3.2	50
3	Electrochemical synthesis and characterization of dark nanoporous zinc oxide films. <i>Electrochimica Acta</i> , 2019, 305, 349-359.	2.6	39
4	Band gap engineering of nanotubular Fe ₂ O ₃ -TiO ₂ photoanodes by wet impregnation. <i>Applied Surface Science</i> , 2020, 517, 146195.	3.1	39
5	Effects of anodizing conditions and annealing temperature on the morphology and crystalline structure of anodic oxide layers grown on iron. <i>Applied Surface Science</i> , 2017, 426, 1084-1093.	3.1	32
6	Raman Optical Activity and Raman spectroscopy of carbohydrates in solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 597-612.	2.0	32
7	A possible Fourier transform infrared-based plasma fingerprint of angiotensin-converting enzyme inhibitor-induced reversal of endothelial dysfunction in diabetic mice. <i>Journal of Biophotonics</i> , 2018, 11, e201700044.	1.1	24
8	The effect of anodizing potential and annealing conditions on the morphology, composition and photoelectrochemical activity of porous anodic tin oxide films. <i>Electrochimica Acta</i> , 2019, 319, 18-30.	2.6	22
9	Raman microscopy as a novel tool to detect endothelial dysfunction. <i>Pharmacological Reports</i> , 2015, 67, 736-743.	1.5	21
10	Fourier transform infrared spectroscopic signature of blood plasma in the progression of breast cancer with simultaneous metastasis to lungs. <i>Journal of Biophotonics</i> , 2019, 12, e201900067.	1.1	14
11	Infrared and Raman spectroscopy of automotive paints for forensic identification of natural weathering. <i>Analytical Methods</i> , 2018, 10, 1203-1212.	1.3	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. <i>Analytical Chemistry</i> , 2018, 90, 3727-3736.	3.2	12
13	ImmunoSERS microscopy for the detection of smooth muscle cells in atherosclerotic plaques. <i>Biosensors and Bioelectronics</i> , 2019, 133, 79-85.	5.3	9
14	Photocatalytic deposition of plasmonic Au nanostructures on a semiconductor substrate to enhance Raman sensitivity. <i>Applied Surface Science</i> , 2020, 529, 147021.	3.1	9
15	Fast fabrication of nanostructured semiconducting oxides by anodic oxidation of brass. <i>Materials Science in Semiconductor Processing</i> , 2020, 113, 105035.	1.9	8
16	Enhanced visible light photoelectrochemical water splitting using nanotubular FeOx-TiO ₂ annealed at different temperatures. <i>Journal of Power Sources</i> , 2021, 507, 230274.	4.0	8
17	Molecular profiling of the intestinal mucosa and immune cells of the colon by multi-parametric histological techniques. <i>Scientific Reports</i> , 2021, 11, 11309.	1.6	7
18	Dual-enhancement and dual-tag design for SERS-based sandwich immunoassays: evaluation of a metal-metal effect in 3D architecture. <i>Mikrochimica Acta</i> , 2022, 189, 32.	2.5	7

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19	Photocatalytical decoration of thin titania coatings with silver nanostructures provides a robust and reproducible SERS signal. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1649-1660.	1.2	6
20	Diversity among endothelial cell lines revealed by Raman and Fourier-transform infrared spectroscopic imaging. <i>Analyst, The</i> , 2018, 143, 4323-4334.	1.7	5
21	Visible-light sensitization of anodic tungsten oxide layers with CuWO ₄ . <i>Electrochimica Acta</i> , 2021, 368, 137591.	2.6	5
22	Small and Large Molecules Investigated by Raman Spectroscopy. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 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