

# Martha Vardaki

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

313  
citations

933447

10  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the quality of stored red blood cells using handheld Spatially Offset Raman spectroscopy with multisource correlation analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121220.	3.9	7
2	Critical Evaluation of Spectral Resolution Enhancement Methods for Raman Hyperspectra. <i>Applied Spectroscopy</i> , 2022, 76, 61-80.	2.2	3
3	Seasonal evaluation of floating microplastics in a shallow Mediterranean coastal lagoon: Abundance, distribution, chemical composition, and influence of environmental factors. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 272, 107859.	2.1	10
4	Augmented Two-Dimensional Correlation Spectroscopy for the Joint Analysis of Correlated Changes in Spectroscopic and Disparate Sources. <i>Applied Spectroscopy</i> , 2021, 75, 520-530.	2.2	8
5	Multiphoton imaging and Raman spectroscopy of the bovine vertebral endplate. <i>Analyst, The</i> , 2021, 146, 4242-4253.	3.5	5
6	Assessing mechanical behavior of ostrich and equine trabecular and cortical bone based on depth sensing indentation measurements. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 117, 104404.	3.1	0
7	Noninvasive monitoring of red blood cells during cold storage using handheld Raman spectroscopy. <i>Transfusion</i> , 2021, 61, 2159-2168.	1.6	10
8	Assessment of Skin Deep Layer Biochemical Profile Using Spatially Offset Raman Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9498.	2.5	10
9	Defocused Spatially Offset Raman Spectroscopy in Media of Different Optical Properties for Biomedical Applications Using a Commercial Spatially Offset Raman Spectroscopy Device. <i>Applied Spectroscopy</i> , 2020, 74, 223-232.	2.2	11
10	Tissue Phantoms for Biomedical Applications in Raman Spectroscopy: A Review. <i>Biomedical Engineering and Computational Biology</i> , 2020, 11, 117959722094810.	2.0	30
11	Applications of Raman spectroscopy in the development of cell therapies: state of the art and future perspectives. <i>Analyst, The</i> , 2020, 145, 2070-2105.	3.5	55
12	Emerging Optical Techniques for the Diagnosis of Onychomycosis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2340.	2.5	9
13	Fourier transform infrared spectroscopic imaging of colon tissues: evaluating the significance of amide I and C-H stretching bands in diagnostic applications with machine learning. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6969-6981.	3.7	19
14	Chemical Analysis Tools for Rapid Determination of Postmortem Interval On-Site: Application of Smart City Principles to Forensic Science. , 2019, , .		1
15	Raman spectroscopy of stored red blood cell concentrate within sealed transfusion blood bags. <i>Analyst, The</i> , 2018, 143, 6006-6013.	3.5	25
16	Applications of liquid biopsies as prognostic markers in patients (pts) with advanced ovarian cancer (AOC) on metronomic cyclophosphamide (MCy) with or without nintedanib (N) (Trans METRO-BIBF).. <i>Journal of Clinical Oncology</i> , 2018, 36, e24065-e24065.	1.6	0
17	Determination of Depth in Transmission Raman Spectroscopy in Turbid Media Using a Beam Enhancing Element. <i>Applied Spectroscopy</i> , 2017, 71, 1849-1855.	2.2	11
18	Characterisation of signal enhancements achieved when utilizing a photon diode in deep Raman spectroscopy of tissue. <i>Biomedical Optics Express</i> , 2016, 7, 2130.	2.9	8

#	ARTICLE	IF	CITATIONS
19	Subwavelength Terahertz Imaging of Graphene Photoconductivity. Nano Letters, 2016, 16, 7019-7024.	9.1	27
20	Studying the distribution of deep Raman spectroscopy signals using liquid tissue phantoms with varying optical properties. Analyst, The, 2015, 140, 5112-5119.	3.5	33
21	Study of bone matrix changes induced by osteoporosis in rat tibia using Raman spectroscopy. Vibrational Spectroscopy, 2012, 63, 404-408.	2.2	29