

# Marzia Bedoni

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,356  
citations

279487

23  
h-index

344852

36  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2515  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 salivary Raman fingerprint: innovative approach for the detection of current and past SARS-CoV-2 infections. <i>Scientific Reports</i> , 2021, 11, 4943.	1.6	96
2	Detection and Characterization of Different Brain-Derived Subpopulations of Plasma Exosomes by Surface Plasmon Resonance Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8873-8880.	3.2	92
3	Preliminary technological assessment of microneedles-based dry electrodes for biopotential monitoring in clinical examinations. <i>Sensors and Actuators A: Physical</i> , 2012, 180, 177-186.	2.0	80
4	Raman spectroscopy uncovers biochemical tissue-related features of extracellular vesicles from mesenchymal stromal cells. <i>Scientific Reports</i> , 2017, 7, 9820.	1.6	77
5	Raman and SERS recognition of $\beta$ -carotene and haemoglobin fingerprints in human whole blood. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 915-919.	2.0	65
6	Raman spectroscopy as a quick tool to assess purity of extracellular vesicle preparations and predict their functionality. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1568780.	5.5	64
7	Regulation of aged skeletal muscle regeneration by circulating extracellular vesicles. <i>Nature Aging</i> , 2021, 1, 1148-1161.	5.3	59
8	Caseinphosphopeptide-induced calcium uptake in human intestinal cell lines HT-29 and Caco2 is correlated to cellular differentiation. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 247-254.	1.9	55
9	Label-free imaging and identification of typical cells of acute myeloid leukaemia and myelodysplastic syndrome by Raman microspectroscopy. <i>Analyst</i> , 2015, 140, 1054-1064.	1.7	49
10	Membrane-binding peptides for extracellular vesicles on-chip analysis. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1751428.	5.5	47
11	Casein phosphopeptide promotion of calcium uptake in HT-29 cells: a relationship between biological activity and supramolecular structure. <i>FEBS Journal</i> , 2007, 274, 4999-5011.	2.2	44
12	Human salivary Raman fingerprint as biomarker for the diagnosis of Amyotrophic Lateral Sclerosis. <i>Scientific Reports</i> , 2020, 10, 10175.	1.6	37
13	A simple and universal enzyme-free approach for the detection of multiple microRNAs using a single nanostructured enhancer of surface plasmon resonance imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1873-1885.	1.9	36
14	Raman profiling of circulating extracellular vesicles for the stratification of Parkinson's patients. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 22, 102097.	1.7	35
15	Desmocollin 1 and desmoglein 1 expression in human epidermis and keratinizing oral mucosa: a comparative immunohistochemical and molecular study. <i>Archives of Dermatological Research</i> , 2005, 297, 31-38.	1.1	34
16	SERS-based biosensor for Alzheimer disease evaluation through the fast analysis of human serum. <i>Journal of Biophotonics</i> , 2020, 13, e201960033.	1.1	34
17	Immobilised gold nanostars in a paper-based test system for surface-enhanced Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2013, 68, 45-50.	1.2	32
18	Branched gold nanoparticles on ZnO 3D architecture as biomedical SERS sensors. <i>RSC Advances</i> , 2015, 5, 93644-93651.	1.7	30

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19	Cross-talk among Toll-like receptors and their ligands. <i>International Immunology</i> , 2008, 20, 709-718.	1.8	28
20	Ochratoxin A-Induced Renal Cortex Fibrosis and Epithelial-to-Mesenchymal Transition: Molecular Mechanisms of Ochratoxin A-Injury and Potential Effects of Red Wine. <i>Molecular Medicine</i> , 2005, 11, 30-38.	1.9	25
21	A compact and disposable transdermal drug delivery system. <i>Microelectronic Engineering</i> , 2008, 85, 1066-1073.	1.1	25
22	Polymer Nanopillarâ€“Gold Arrays as Surface-Enhanced Raman Spectroscopy Substrate for the Simultaneous Detection of Multiple Genes. <i>ACS Nano</i> , 2014, 8, 10496-10506.	7.3	25
23	One-step synthesis of star-like gold nanoparticles for surface enhanced Raman spectroscopy. <i>Materials Chemistry and Physics</i> , 2014, 143, 1215-1221.	2.0	24
24	Taking the Next Steps in Regenerative Rehabilitation: Establishment of a New Interdisciplinary Field. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 917-923.	0.5	24
25	An SPRi-based biosensor pilot study: Analysis of multiple circulating extracellular vesicles and hippocampal volume in Alzheimerâ€™s disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113649.	1.4	23
26	Cream Formulation Impact on Topical Administration of Engineered Colloidal Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0126366.	1.1	20
27	Proliferation and differentiation biomarkers in normal human breast skin organotypic cultures. <i>Journal of Dermatological Science</i> , 2007, 46, 139-142.	1.0	19
28	Desmoglein 3 and keratin 10 expressions are reduced by chronic exposure to cigarette smoke in human keratinised oral mucosa explants. <i>Archives of Oral Biology</i> , 2010, 55, 815-823.	0.8	19
29	Inhibition of neutral sphingomyelinase 2 reduces extracellular vesicle release from neurons, oligodendrocytes, and activated microglial cells following acute brain injury. <i>Biochemical Pharmacology</i> , 2021, 194, 114796.	2.0	17
30	Skin immunosenescence: decreased receptor for activated C kinase-1 expression correlates with defective tumour necrosis factor- $\alpha$ production in epidermal cells. <i>British Journal of Dermatology</i> , 2009, 160, 16-25.	1.4	15
31	Etanercept restores a differentiated keratinocyte phenotype in psoriatic human skin: a morphological study. <i>Experimental Dermatology</i> , 2012, 21, 549-551.	1.4	15
32	Biophotonics for diagnostic detection of extracellular vesicles. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 229-249.	6.6	14
33	Raman Fingerprint of Extracellular Vesicles and Conditioned Media for the Reproducibility Assessment of Cell-Free Therapeutics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 640617.	2.0	13
34	Early epidermal response after a single dose of gamma-rays in organotypic culture of human breast skin. <i>British Journal of Dermatology</i> , 2005, 153, 881-886.	1.4	12
35	Control of size and aspect ratio in hydroquinone-based synthesis of gold nanorods. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	12
36	Identification of the Raman Salivary Fingerprint of Parkinsonâ€™s Disease Through the Spectroscopicâ€“Computational Combinatory Approach. <i>Frontiers in Neuroscience</i> , 2021, 15, 704963.	1.4	12

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37	An <i>in vitro</i> model of human oral explants to study early effects of radiation mucositis. European Journal of Oral Sciences, 2009, 117, 169-174.	0.7	11
38	Burning mouth syndrome possibly linked with an amalgam tattoo : clinical and ultrastructural evidence. European Journal of Dermatology, 2008, 18, 723-4.	0.3	8
39	Extracellular Vesicles in Regeneration and Rehabilitation Recovery after Stroke. Biology, 2021, 10, 843.	1.3	7
40	The Collagen-Based Medical Device MD-Tissue Acts as a Mechanical Scaffold Influencing Morpho-Functional Properties of Cultured Human Tenocytes. Cells, 2020, 9, 2641.	1.8	6
41	Surface Enhanced Raman Spectroscopy-Based Method for Leukemia Biomarker Detection Using Magnetic Core @ Gold Shell Nanoparticles. BioNanoScience, 2014, 4, 119-127.	1.5	5
42	Progressing the field of Regenerative Rehabilitation through novel interdisciplinary interaction. Npj Regenerative Medicine, 2020, 5, 16.	2.5	2
43	Characterization of the COPD Salivary Fingerprint through Surface Enhanced Raman Spectroscopy: A Pilot Study. Diagnostics, 2021, 11, 508.	1.3	2
44	Effect of a topical treatment in organotypic culture of human breast skin after exposure to gamma-rays. European Journal of Histochemistry, 2007, 51, 283.	0.6	1
45	Raman spectroscopy for the assessment of acute myeloid leukemia: a proof of concept study. Proceedings of SPIE, 2014, , .	0.8	1
46	Plasmonic crystal based solid substrate for biomedical application of SERS. Proceedings of SPIE, 2014, , .	0.8	1
47	A Longitudinal 3D Investigation on Facial Similarity among Two Monozygotic Twins in Their First Childhood: An Application of the 3D-3D Facial Superimposition Technique. Children, 2022, 9, 187.	0.6	1
48	Star-like gold nanoparticles as highly active substrate for surface enhanced Raman spectroscopy. , 2013, , .		0
49	Bifunctional nanoparticles for surface-enhanced Raman spectroscopy-based leukemia biomarker detection. Proceedings of SPIE, 2014, , .	0.8	0
50	Simultaneous detection of multiple biomarkers by means of SERS on polymer nanopillar gold arrays. , 2016, , .		0