

Marianna Bianca Emanuela Portaccio

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

866
citations

430754

18
h-index

501076

28
g-index

48
all docs

48
docs citations

48
times ranked

1375
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-natal exposure of mice to bisphenol A elicits an endometriosis-like phenotype in female offspring. <i>General and Comparative Endocrinology</i> , 2010, 168, 318-325.	0.8	107
2	Migration of bisphenol A into canned tomatoes produced in Italy: Dependence on temperature and storage conditions. <i>Food Chemistry</i> , 2014, 160, 157-164.	4.2	71
3	Insights into Insulin Fibril Assembly at Physiological and Acidic pH and Related Amyloid Intrinsic Fluorescence. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2551.	1.8	57
4	Effect of Trehalose on W7FW14F Apomyoglobin and Insulin Fibrillization: A New Insight into Inhibition Activity. <i>Biochemistry</i> , 2008, 47, 1789-1796.	1.2	50
5	The influence of the support nature on the kinetics parameters, inhibition constants and reactivation of immobilized acetylcholinesterase. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 339-345.	3.6	37
6	Metasurface based on cross-shaped plasmonic nanoantennas as chemical sensor for surface-enhanced infrared absorption spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 600-607.	4.0	32
7	Monitoring early phases of orthodontic treatment by means of Raman spectroscopies. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	28
8	Molecular analysis of the apoptotic effects of BPA in acute myeloid leukemia cells. <i>Journal of Translational Medicine</i> , 2009, 7, 48.	1.8	27
9	Heme binding inhibits the fibrillization of amyloidogenic apomyoglobin and determines lack of aggregate cytotoxicity. <i>Protein Science</i> , 2007, 16, 507-516.	3.1	26
10	Fructose and Pectin Detection in Fruit-Based Food Products by Surface-Enhanced Raman Spectroscopy. <i>Sensors</i> , 2017, 17, 839.	2.1	23
11	An FTIR Microspectroscopy Ratiometric Approach for Monitoring X-ray Irradiation Effects on SH-SY5Y Human Neuroblastoma Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2974.	1.3	23
12	Surface-enhanced Raman spectroscopy of tears: toward a diagnostic tool for neurodegenerative disease identification. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	23
13	Advantages of Using Non-isothermal Bioreactors in Agricultural Waste Water Treatment by Means of Immobilized Urease. Study on the Influence of Spacer Length and Immobilization Method. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2802-2811.	2.4	22
14	Monitoring production process of cisplatin-loaded PLGA nanoparticles by FTIR microspectroscopy and univariate data analysis. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	22
15	Hyaluronan hydrogels with a low degree of modification as scaffolds for cartilage engineering. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 978-989.	3.6	22
16	Study of SH-SY5Y Cancer Cell Response to Treatment with Polyphenol Extracts Using FT-IR Spectroscopy. <i>Biosensors</i> , 2017, 7, 57.	2.3	22
17	Pixeled metasurface for multiwavelength detection of vitamin D. <i>Nanophotonics</i> , 2020, 9, 3921-3930.	2.9	22
18	Application of Vibrational Spectroscopies in the Qualitative Analysis of Gingival Crevicular Fluid and Periodontal Ligament during Orthodontic Tooth Movement. <i>Journal of Clinical Medicine</i> , 2021, 10, 1405.	1.0	20

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19	Amperometric Glucose Determination by Means of Glucose Oxidase Immobilized on a Cellulose Acetate Film: Dependence on the Immobilization Procedures. <i>Electroanalysis</i> , 2007, 19, 1787-1793.	1.5	19
20	Optical detection of different phenolic compounds by means of a novel biosensor based on sol-gel immobilized laccase. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 782-792.	1.4	18
21	Characterization of Human Tear Fluid by Means of Surface-Enhanced Raman Spectroscopy. <i>Sensors</i> , 2019, 19, 1177.	2.1	16
22	Dynamical and structural properties of flavin adenine dinucleotide in aqueous solutions and bound to free and sol-gel immobilized glucose oxidase. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 239-252.	1.1	14
23	Removal of methylparaben from synthetic aqueous solutions using polyacrylonitrile beads: kinetic and equilibrium studies. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1270-1282.	2.7	14
24	Production of Low-Lactose Milk by Means of Nonisothermal Bioreactors. <i>Biotechnology Progress</i> , 2004, 20, 1393-1401.	1.3	13
25	Determination of Different Saccharides Concentration by Means of a Multienzymes Amperometric Biosensor. <i>Journal of Sensors</i> , 2017, 2017, 1-8.	0.6	13
26	A novel experimental approach for liver analysis in rats exposed to Bisphenol A by means of LC-mass spectrometry and infrared spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 207-212.	1.4	13
27	Glucose determination by means of a new reactor/sensor system operating under non-isothermal conditions. <i>Enzyme and Microbial Technology</i> , 2000, 26, 593-601.	1.6	12
28	Hollow-Fiber Enzyme Reactor Operating under Nonisothermal Conditions. <i>Biotechnology Progress</i> , 2008, 20, 457-466.	1.3	12
29	Surface-Enhanced Raman Spectroscopy for Monitoring Extravirgin Olive Oil Bioactive Components. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	0.9	11
30	Infrared microspectroscopy characterization of gingival crevicular fluid during orthodontic treatment. <i>Journal of Molecular Structure</i> , 2019, 1176, 847-854.	1.8	10
31	The process of thermodialysis in bioremediation of waters polluted by endocrine disruptors. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 199-207.	1.8	9
32	Flow-Injection System with Site-Specific Immobilization of Acetylcholinesterase Biosensor for Amperometric Detection of Organophosphate Pesticides. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 3044-3053.	0.5	9
33	Characterization of secondary structure and fad conformational state in free and sol-gel immobilized glucose oxidase. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 580-588.	1.1	8
34	Graphene-Based and Surface-Enhanced Raman Spectroscopy for Monitoring the Physio-Chemical Response of Thermophilic Bacterial Spores to Low Temperatures Exposure. <i>Sensors</i> , 2020, 20, 4150.	2.1	7
35	FT-IR Transfection Micro-Spectroscopy Study on Normal Human Breast Cells after Exposure to a Proton Beam. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 540.	1.3	6
36	Gelatin-biofermentative unsulfated glycosaminoglycans semi-interpenetrating hydrogels via microbial-transglutaminase crosslinking enhance osteogenic potential of dental pulp stem cells. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbaa052.	1.9	6

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37	Reduction of Active Elastase Concentration by Means of Immobilized Inhibitors: A Novel Therapeutic Approach. <i>Biotechnology Progress</i> , 2004, 20, 968-974.	1.3	5
38	Physico-Optical properties of a crosslinked hyaluronic acid scaffold for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2017, 134, e45243.	1.3	4
39	An insight into pH-induced changes in FAD conformational structure by means of time-resolved fluorescence and circular dichroism. <i>European Biophysics Journal</i> , 2019, 48, 395-403.	1.2	4
40	FT-IR microspectroscopy of cisplatin loaded PLGA nanoparticles. , 2014, , .		3
41	Fourier-Transform Infrared Microspectroscopy (FT-IR) Study on Caput and Cauda Mouse Spermatozoa. <i>Proceedings (mdpi)</i> , 2019, 42, .	0.2	3
42	Human periodontal ligament characterization by means of vibrational spectroscopy and electron microscopy.. , 0, , .		1
43	Amide I Band Analysis Applied to Vibrational Micro-Spectroscopies of Gingival Crevicular Fluid Samples for Orthodontic Treatment Monitoring. , 2021, 10, .		1
44	Optical monitoring of cell migration processes in a 3D scaffold. , 2018, , .		0
45	Dynamical and structural properties of flavin adenine dinucleotide in aqueous solutions. , 2018, , .		0
46	X-ray irradiation effects on SH-SY5Y human neuroblastoma cells monitored by means of FTIR micro-spectroscopy. , 2019, , .		0
47	Evaluation of Proton-Induced Biomolecular Changes in MCF-10A Breast Cells by Means of FT-IR Microspectroscopy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5074.	1.3	0