

Livia Giotta

List of Publications by Year in descending order

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53
papers

1,237
citations

331259

21
h-index

377514

34
g-index

55
all docs

55
docs citations

55
times ranked

1975
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal ion influence on the photosynthetic growth of <i>Rhodobacter sphaeroides</i> . <i>Chemosphere</i> , 2006, 62, 1490-1499.	4.2	92
2	Influence of Saharan dust outbreaks and carbon content on oxidative potential of water-soluble fractions of PM _{2.5} and PM ₁₀ . <i>Atmospheric Environment</i> , 2017, 163, 1-8.	1.9	85
3	Encapsulation of Curcumin-Loaded Liposomes for Colonic Drug Delivery in a pH-Responsive Polymer Cluster Using a pH-Driven and Organic Solvent-Free Process. <i>Molecules</i> , 2018, 23, 739.	1.7	78
4	Gram-scale synthesis of UV-vis light active plasmonic photocatalytic nanocomposite based on TiO ₂ /Au nanorods for degradation of pollutants in water. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 604-613.	10.8	76
5	Response of the carotenoidless mutant <i>Rhodobacter sphaeroides</i> growing cells to cobalt and nickel exposure. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 948-957.	1.9	58
6	Functional Enzymes in Nonaqueous Environment: The Case of Photosynthetic Reaction Centers in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7768-7776.	3.2	56
7	Reversible Binding of Metal Ions onto Bacterial Layers Revealed by Protonation-Induced ATR-FTIR Difference Spectroscopy. <i>Langmuir</i> , 2011, 27, 3762-3773.	1.6	50
8	Evaluation of Possible Contamination Sources in the ¹⁴ C Analysis of Bone Samples by FTIR Spectroscopy. <i>Radiocarbon</i> , 2007, 49, 201-210.	0.8	46
9	Photosynthetic Machineries in Nano-Systems. <i>Current Protein and Peptide Science</i> , 2014, 15, 363-373.	0.7	43
10	Bioconjugation of hydrogen-bonded organic semiconductors with functional proteins. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6554-6564.	2.7	41
11	Poly(alkoxyphenylene~thienylene) Langmuir~Sch~fer Thin Films for Advanced Performance Transistors. <i>Chemistry of Materials</i> , 2006, 18, 778-784.	3.2	40
12	Testing the Photosynthetic Bacterium <i>Rhodobacter Sphaeroides</i> as Heavy Metal Removal Tool. <i>Annali Di Chimica</i> , 2006, 96, 195-203.	0.6	39
13	Functionalization of gold screen printed electrodes with bacterial photosynthetic reaction centers by laser printing technology for mediatorless herbicide biosensing. <i>Electrochemistry Communications</i> , 2016, 64, 46-50.	2.3	37
14	Redox-Induced Transitions in Bovine Cytochromebc ₁ Complex Studied by Perfusion-Induced ATR-FTIR Spectroscopy. <i>Biochemistry</i> , 2003, 42, 11109-11119.	1.2	31
15	±-Cyclodextrin Functionalized CdS Nanocrystals for Fabrication of 2/3 D Assemblies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17388-17399.	1.2	31
16	Qualitative application based on IR spectroscopy for bone sample quality control in radiocarbon dating. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 259, 316-319.	0.6	30
17	Ethane-Bridged Zinc Porphyrin Dimers in Langmuir~Sh~fer Thin Films: A Structural and Spectroscopic Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4691-4698.	1.2	29
18	Spin coating cellulose derivatives on quartz crystal microbalance plates to obtain hydrogel~based fast sensors and actuators. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3040-3050.	1.3	29

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19	Selective Targeting of Proteins by Hybrid Polyoxometalates: Interaction Between a Bis-Biotinylated Hybrid Conjugate and Avidin. <i>Frontiers in Chemistry</i> , 2018, 6, 278.	1.8	26
20	Tomato Oil Encapsulation by $\hat{1}$ ±-, $\hat{1}$ ²-, and $\hat{1}$ ³-Cyclodextrins: A Comparative Study on the Formation of Supramolecular Structures, Antioxidant Activity, and Carotenoid Stability. <i>Foods</i> , 2020, 9, 1553.	1.9	22
21	Efficient stabilization of natural curcuminoids mediated by oil body encapsulation. <i>RSC Advances</i> , 2013, 3, 5422.	1.7	21
22	Effect of ultrasound on the function and structure of a membrane protein: The case study of photosynthetic Reaction Center from <i>Rhodobacter sphaeroides</i> . <i>Ultrasonics Sonochemistry</i> , 2017, 35, 103-111.	3.8	20
23	Development and characterization of a novel bioactive polymer with antibacterial and lysozyme-like activity. <i>Biopolymers</i> , 2014, 101, 461-470.	1.2	17
24	Lipid/detergent mixed micelles as a tool for transferring antioxidant power from hydrophobic natural extracts into bio-deliverable liposome carriers: the case of lycopene rich oleoresins. <i>RSC Advances</i> , 2015, 5, 3081-3093.	1.7	15
25	An SPR based immunoassay for the sensitive detection of the soluble epithelial marker E-cadherin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1963-1971.	1.7	15
26	Design and modelling of a photo-electrochemical transduction system based on solubilized photosynthetic reaction centres. <i>Electrochimica Acta</i> , 2019, 293, 105-115.	2.6	15
27	Photoelectrodes with Polydopamine Thin Films Incorporating a Bacterial Photoenzyme. <i>Advanced Electronic Materials</i> , 2020, 6, 2000140.	2.6	15
28	Modeling the microscopic electrical properties of thrombin binding aptamer (TBA) for label-free biosensors. <i>Nanotechnology</i> , 2017, 28, 065502.	1.3	14
29	pH-sensitive fluorescent dye as probe for proton uptake in photosynthetic reaction centers. <i>Bioelectrochemistry</i> , 2004, 63, 125-128.	2.4	12
30	Light induced transmembrane proton gradient in artificial lipid vesicles reconstituted with photosynthetic reaction centers. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 373-384.	1.0	12
31	Improving 2D-organization of fullerene Langmuir-SchÄfer thin films by interaction with cellulose nanocrystals. <i>Carbon</i> , 2020, 167, 906-917.	5.4	12
32	Electrochemical and Spectroscopic Behavior of Iron(III) Porphyrazines in Langmuir-SchÄfer Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11517-11528.	1.2	11
33	Phenol chemisorption onto phthalocyanine thin layers probed by ATR-FTIR difference spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2161.	1.3	11
34	The binding of quinone to the photosynthetic reaction centers: kinetics and thermodynamics of reactions occurring at the QB-site in zwitterionic and anionic liposomes. <i>European Biophysics Journal</i> , 2014, 43, 301-315.	1.2	11
35	Enthalpy/entropy driven activation of the first interquinone electron transfer in bacterial photosynthetic reaction centers embedded in vesicles of physiologically important phospholipids. <i>Bioelectrochemistry</i> , 2007, 70, 18-22.	2.4	10
36	Luminescent CdSe@ZnS nanocrystals embedded in liposomes: a cytotoxicity study in HeLa cells. <i>Toxicology Research</i> , 2017, 6, 947-957.	0.9	9

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37	Nanostructural depth-profile and field-effect properties of poly(alkoxyphenylene-thienylene) Langmuir-Blodgett thin-films. <i>Thin Solid Films</i> , 2008, 516, 3263-3269.	0.8	8
38	Oxidoreductase activity of chromatophores and purified cytochrome bc 1 complex from <i>Rhodobacter sphaeroides</i> : a possible role of cardiolipin. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 487-493.	1.0	8
39	Semiquinone oscillations as a tool for investigating the ubiquinone binding to photosynthetic reaction centers. <i>European Biophysics Journal</i> , 2015, 44, 183-192.	1.2	8
40	Modulating the lifetime of the charge-separated state in photosynthetic reaction center by out-of-protein electrostatics. <i>MRS Advances</i> , 2018, 3, 1497-1507.	0.5	7
41	Nanocellulose/Fullerene Hybrid Films Assembled at the Air/Water Interface as Promising Functional Materials for Photo-electrocatalysis. <i>Polymers</i> , 2021, 13, 243.	2.0	7
42	Yellow pigments in painting: characterisation and UV laser-induced modifications. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1664-1667.	1.2	6
43	Phosphate Modified Screen Printed Electrodes by LIFT Treatment for Glucose Detection. <i>Biosensors</i> , 2018, 8, 91.	2.3	5
44	Assessing the Quality of <i>in Silico</i> Produced Biomolecules: The Discovery of a New Conformer. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1265-1273.	1.2	5
45	Nickel ion extracellular uptake by the phototrophic bacterium <i>Rhodobacter sphaeroides</i> : new insights from Langmuir modelling and X-ray photoelectron spectroscopic analysis. <i>Applied Surface Science</i> , 2022, 593, 153385.	3.1	4
46	Tips for a (Simple) Interpretation of the Impedance Response of an Electrochemical Cell. <i>IEEE Sensors Journal</i> , 2019, 19, 11318-11322.	2.4	3
47	Optimizing Enzymatic Photo-Redox Cycles by a Hybrid Protein Complex Chain. <i>ChemPhotoChem</i> , 2021, 5, 26-31.	1.5	3
48	Chemical and morphological effects of the contraceptive hormone 17 β -ethynylestradiol on fluid lipid membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111794.	2.5	3
49	A Biological-Based Photovoltaic Electrochemical Cell: Modelling the Impedance Spectra. <i>Chemosensors</i> , 2020, 8, 20.	1.8	2
50	Proteotronics: Application to Human 17-40 and Bacteriorhodopsin Receptors. , 2016, , .		1
51	Modification of Gold Electrodes with Bacterial Reaction Centres Immobilized by Laser Induced Forward Transfer (LIFT) Technique for Amperometric Herbicide Detection. <i>Procedia Technology</i> , 2017, 27, 195-196.	1.1	0
52	pH dependence of the charge recombination kinetics in bacterial RC reconstituted in liposomes. <i>MRS Advances</i> , 2019, 4, 1149-1154.	0.5	0
53	Thrombin Aptamer-Based Biosensors: A Model of the Electrical Response. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 115-122.	0.3	0