

Livia Giotta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4904272/publications.pdf>

Version: 2024-02-01

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 | 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 |
| 2 | Optimizing Enzymatic Photo-Redox Cycles by a Hybrid Protein Complex Chain. <i>ChemPhotoChem</i> , 2021, 5, 26-31. | 1.5 | 3 |
| 3 | 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 |
| 4 | 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 |
| 5 | Improving 2D-organization of fullerene Langmuir-SchÄfer thin films by interaction with cellulose nanocrystals. <i>Carbon</i> , 2020, 167, 906-917. | 5.4 | 12 |
| 6 | Tomato Oil Encapsulation by β -, β -, and β -Cyclodextrins: A Comparative Study on the Formation of Supramolecular Structures, Antioxidant Activity, and Carotenoid Stability. <i>Foods</i> , 2020, 9, 1553. | 1.9 | 22 |
| 7 | Photoelectrodes with Polydopamine Thin Films Incorporating a Bacterial Photoenzyme. <i>Advanced Electronic Materials</i> , 2020, 6, 2000140. | 2.6 | 15 |
| 8 | A Biological-Based Photovoltaic Electrochemical Cell: Modelling the Impedance Spectra. <i>Chemosensors</i> , 2020, 8, 20. | 1.8 | 2 |
| 9 | 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 |
| 10 | pH dependence of the charge recombination kinetics in bacterial RC reconstituted in liposomes. <i>MRS Advances</i> , 2019, 4, 1149-1154. | 0.5 | 0 |
| 11 | 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 |
| 12 | Gram-scale synthesis of UV- <i>vis</i> 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Phosphate Modified Screen Printed Electrodes by LIFT Treatment for Glucose Detection. <i>Biosensors</i> , 2018, 8, 91. | 2.3 | 5 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Thrombin Aptamer-Based Biosensors: A Model of the Electrical Response. Lecture Notes in Electrical Engineering, 2018, , 115-122. | 0.3 | 0 |
| 20 | Modeling the microscopic electrical properties of thrombin binding aptamer (TBA) for label-free biosensors. Nanotechnology, 2017, 28, 065502. | 1.3 | 14 |
| 21 | Influence of Saharan dust outbreaks and carbon content on oxidative potential of water-soluble fractions of PM2.5 and PM10. Atmospheric Environment, 2017, 163, 1-8. | 1.9 | 85 |
| 22 | Luminescent CdSe@ZnS nanocrystals embedded in liposomes: a cytotoxicity study in HeLa cells. Toxicology Research, 2017, 6, 947-957. | 0.9 | 9 |
| 23 | Modification of Gold Electrodes with Bacterial Reaction Centres Immobilized by Laser Induced Forward Transfer (LIFT) Technique for Amperometric Herbicide Detection. Procedia Technology, 2017, 27, 195-196. | 1.1 | 0 |
| 24 | Functional Enzymes in Nonaqueous Environment: The Case of Photosynthetic Reaction Centers in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2017, 5, 7768-7776. | 3.2 | 56 |
| 25 | Effect of ultrasound on the function and structure of a membrane protein: The case study of photosynthetic Reaction Center from Rhodobacter sphaeroides. Ultrasonics Sonochemistry, 2017, 35, 103-111. | 3.8 | 20 |
| 26 | Functionalization of gold screen printed electrodes with bacterial photosynthetic reaction centers by laser printing technology for mediatorless herbicide biosensing. Electrochemistry Communications, 2016, 64, 46-50. | 2.3 | 37 |
| 27 | Proteotronics: Application to Human 17-40 and Bacteriorhodopsin Receptors. , 2016, , . | | 1 |
| 28 | Bioconjugation of hydrogen-bonded organic semiconductors with functional proteins. Journal of Materials Chemistry C, 2015, 3, 6554-6564. | 2.7 | 41 |
| 29 | Semiquinone oscillations as a tool for investigating the ubiquinone binding to photosynthetic reaction centers. European Biophysics Journal, 2015, 44, 183-192. | 1.2 | 8 |
| 30 | 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. RSC Advances, 2015, 5, 3081-3093. | 1.7 | 15 |
| 31 | Photosynthetic Machineries in Nano-Systems. Current Protein and Peptide Science, 2014, 15, 363-373. | 0.7 | 43 |
| 32 | Development and characterization of a novel bioactive polymer with antibacterial and lysozyme-like activity. Biopolymers, 2014, 101, 461-470. | 1.2 | 17 |
| 33 | The binding of quinone to the photosynthetic reaction centers: kinetics and thermodynamics of reactions occurring at the QB-site in zwitterionic and anionic liposomes. European Biophysics Journal, 2014, 43, 301-315. | 1.2 | 11 |
| 34 | Efficient stabilization of natural curcuminoids mediated by oil body encapsulation. RSC Advances, 2013, 3, 5422. | 1.7 | 21 |
| 35 | Oxidoreductase activity of chromatophores and purified cytochrome bc 1 complex from Rhodobacter sphaeroides: a possible role of cardiolipin. Journal of Bioenergetics and Biomembranes, 2012, 44, 487-493. | 1.0 | 8 |
| 36 | Light induced transmembrane proton gradient in artificial lipid vesicles reconstituted with photosynthetic reaction centers. Journal of Bioenergetics and Biomembranes, 2012, 44, 373-384. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | 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 |
| 38 | Yellow pigments in painting: characterisation and UV laser-induced modifications. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1664-1667. | 1.2 | 6 |
| 39 | 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 |
| 40 | Phenol chemisorption onto phthalocyanine thin layers probed by ATR-FTIR difference spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2161. | 1.3 | 11 |
| 41 | Nanostructural depth-profile and field-effect properties of poly(alkoxyphenylene-thienylene) Langmuir-SchÄfer thin-films. <i>Thin Solid Films</i> , 2008, 516, 3263-3269. | 0.8 | 8 |
| 42 | Electrochemical and Spectroscopic Behavior of Iron(III) Porphyrines in Langmuir-SchÄfer Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11517-11528. | 1.2 | 11 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | Poly(alkoxyphenylene-thienylene) Langmuir-SchÄfer Thin Films for Advanced Performance Transistors. <i>Chemistry of Materials</i> , 2006, 18, 778-784. | 3.2 | 40 |
| 48 | ±-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 |
| 49 | Ethane-Bridged Zinc Porphyrin Dimers in Langmuir-SchÄfer Thin Films: Structural and Spectroscopic Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4691-4698. | 1.2 | 29 |
| 50 | Heavy metal ion influence on the photosynthetic growth of <i>Rhodobacter sphaeroides</i> . <i>Chemosphere</i> , 2006, 62, 1490-1499. | 4.2 | 92 |
| 51 | 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 |
| 52 | pH-sensitive fluorescent dye as probe for proton uptake in photosynthetic reaction centers. <i>Bioelectrochemistry</i> , 2004, 63, 125-128. | 2.4 | 12 |
| 53 | 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 |