

# Carolina Santamaria

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5210525/publications.pdf>

Version: 2024-02-01

32  
papers

1,416  
citations

430754

18  
h-index

414303

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemomechanical properties from a bilayer: polypyrrole / non-conducting and flexible material "artificial muscle". <i>Journal of Electroanalytical Chemistry</i> , 1992, 341, 369-375.	1.9	286
2	Artificial muscles from bilayer structures. <i>Synthetic Metals</i> , 1993, 57, 3713-3717.	2.1	180
3	Chemical characterisation and source apportionment of PM2.5 and PM10 at rural, urban and traffic sites in Navarra (North of Spain). <i>Atmospheric Research</i> , 2011, 102, 191-205.	1.8	176
4	Immobilization of Peroxidase Glycoprotein on Gold Electrodes Modified with Mixed Epoxy-Boronic Acid Monolayers. <i>Journal of the American Chemical Society</i> , 2002, 124, 12845-12853.	6.6	111
5	Quartz crystal impedance studies at 10 MHz of viscoelastic liquids and films. <i>Faraday Discussions</i> , 1997, 107, 141-157.	1.6	85
6	Electrochemical and theoretical complexation studies for Zn and Cu with individual polyphenols. <i>Analytica Chimica Acta</i> , 2005, 543, 267-274.	2.6	69
7	Modification of Glucose Oxidase by the Covalent Attachment of a Tetrathiafulvalene Derivative. <i>Analytical Chemistry</i> , 1997, 69, 734-742.	3.2	63
8	Kinetics of the polypyrrole electrogeneration from aqueous solution. An ex situ microgravimetric study. <i>Electrochimica Acta</i> , 1992, 37, 297-307.	2.6	56
9	Atmospheric ammonia concentration modulates soil enzyme and microbial activity in an oak forest affecting soil microbial biomass. <i>Soil Biology and Biochemistry</i> , 2018, 116, 378-387.	4.2	41
10	Throughfall and bulk deposition of dissolved organic nitrogen to holm oak forests in the Iberian Peninsula: Flux estimation and identification of potential sources. <i>Environmental Pollution</i> , 2016, 210, 104-112.	3.7	33
11	Kinetics of polypyrrole and polythiophene electrogeneration followed by microgravimetry. <i>Synthetic Metals</i> , 1991, 43, 2831-2836.	2.1	32
12	Evolution of metal and polyphenol content over a 1-year period of vinification: sample fractionation and correlation between metals and anthocyanins. <i>Analytica Chimica Acta</i> , 2004, 524, 215-224.	2.6	28
13	Application of microwave digestion and ICP-MS to simultaneous analysis of major and trace elements in aerosol samples collected on quartz filters. <i>Analytical Methods</i> , 2013, 5, 554-559.	1.3	26
14	Polypyrrole electrogeneration at different potentials. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 312, 285-291.	0.3	24
15	Significance of CIELAB parameters in the routine analysis of red wines Relevancia de los parámetros CIELAB en el análisis de rutina de vinos tintos. <i>CYTA - Journal of Food</i> , 2009, 7, 189-199.	0.9	23
16	Complexing capacity profiles of naturally occurring ligands in Tempranillo wines for Cu and Zn. <i>Analytica Chimica Acta</i> , 2007, 599, 67-75.	2.6	22
17	<i>Pleurochaete squarrosa</i> (Brid.) Lindb. as an alternative moss species for biomonitoring surveys of heavy metal, nitrogen deposition and $\delta^{15}\text{N}$ signatures in a Mediterranean area. <i>Ecological Indicators</i> , 2016, 60, 1221-1228.	2.6	22
18	Solid state transitions during oxidation/reduction processes in conducting polymers. Electrochemical detection and study. <i>Synthetic Metals</i> , 1991, 43, 2947-2952.	2.1	19

#	ARTICLE	IF	CITATIONS
19	Chromatic characterisation of three consecutive vintages of Vitis vinifera red wine. <i>Analytica Chimica Acta</i> , 2006, 563, 331-337.	2.6	17
20	Dependence of polypyrrole production on potential. <i>Synthetic Metals</i> , 1992, 51, 313-319.	2.1	15
21	Stability of thick polypyrrole films electrogenerated on stainless steel. <i>Synthetic Metals</i> , 1993, 54, 217-222.	2.1	15
22	A Study of Heavy Metal Complexation in Grape Juice. <i>Electroanalysis</i> , 2005, 17, 469-475.	1.5	15
23	Electrogeneration of thick polythiophene films on stainless steel. <i>Synthetic Metals</i> , 1993, 55, 1574-1579.	2.1	12
24	Thick layers of PPy and PTh: Electrosynthesis and modification of electrical parameters by ion implantation. p-n junctions. <i>Synthetic Metals</i> , 1993, 55, 1459-1464.	2.1	10
25	Composition and analysis of colloidal matter along wine-making. Exploitation of its antioxidant activity in final stabilisation residues. <i>Microchemical Journal</i> , 2009, 91, 32-39.	2.3	7
26	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) SAMPLED IN AEROSOL PHASE AT DIFFERENT SITES OF THE WESTERN PYRENEES IN NAVARRA (SPAIN). <i>Environmental Engineering and Management Journal</i> , 2012, 11, 1049-1058.	0.2	7
27	Potentiostatic preparation of poly-1,3-dimethoxybenzene films. Kinetics and bilayer structure. <i>Journal of Electroanalytical Chemistry</i> , 1994, 370, 171-176.	1.9	6
28	Thiram and picloram as entrapping agents for lead depicted by electrochemical methods. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1052-1059.	0.6	5
29	Redox behaviour of thin polypyrrole films. Optimization of response times. <i>Solid State Ionics</i> , 1993, 63-65, 810-815.	1.3	4
30	Optimization of Conducting Polymer Synthesis for Battery Applications. <i>Materials Research Society Symposia Proceedings</i> , 1993, 328, 805.	0.1	3
31	Smart Muscle Under Electrochemical Control of Molecular Movement in Polypyrrole Films. <i>Materials Research Society Symposia Proceedings</i> , 1993, 330, 333.	0.1	3
32	Electrogeneration of poly-1,3-dimethoxybenzene uniform coatings by consecutive square-wave potentials: Kinetic studies. <i>Journal of Electroanalytical Chemistry</i> , 1994, 370, 177-182.	1.9	1