

# John J Castillo

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

919  
citations

686830

13  
h-index

610482

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1516  
citing authors

#	ARTICLE	IF	CITATIONS
1	How curved membranes recruit amphipathic helices and protein anchoring motifs. <i>Nature Chemical Biology</i> , 2009, 5, 835-841.	3.9	352
2	Detection of cancer cells using a peptidnanotube-folic acid modified graphene electrode. <i>Analyst</i> , The, 2013, 138, 1026-1031.	1.7	130
3	Immobilization of lipases on glyoxyl-octyl supports: Improved stability and reactivation strategies. <i>Process Biochemistry</i> , 2015, 50, 1211-1217.	1.8	73
4	Redox electrodeposition polymers: adaptation of the redox potential of polymer-bound Os complexes for bioanalytical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1661-1673.	1.9	58
5	Non-covalent conjugates of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1475.	2.9	45
6	Adsorption and Vibrational Study of Folic Acid on Gold Nanopillar Structures Using Surface-Enhanced Raman Scattering Spectroscopy. <i>Nanomaterials and Nanotechnology</i> , 2015, 5, 29.	1.2	33
7	Direct electrochemistry and bioelectrocatalysis of H <sub>2</sub> O <sub>2</sub> reduction of recombinant tobacco peroxidase on graphite. Effect of peroxidase single-point mutation on Ca <sup>2+</sup> -modulated catalytic activity. <i>Journal of Electroanalytical Chemistry</i> , 2006, 588, 112-121.	1.9	32
8	A new peroxidase from leaves of guinea grass ( <i>Panicum maximum</i> ): A potential biocatalyst to build amperometric biosensors. <i>Bioelectrochemistry</i> , 2017, 116, 33-38.	2.4	32
9	Direct electrochemistry of recombinant tobacco peroxidase on gold. <i>Electrochemistry Communications</i> , 2005, 7, 1291-1297.	2.3	28
10	Bioelectrocatalytic properties of lignin peroxidase from <i>Phanerochaete chrysosporium</i> in reactions with phenols, catechols and lignin-model compounds. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1343-1354.	1.1	25
11	Silver-capped silicon nanopillar platforms for adsorption studies of folic acid using surface enhanced Raman spectroscopy and density functional theory. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1087-1094.	1.2	21
12	Monitoring the functionalization of single-walled carbon nanotubes with chitosan and folic acid by two-dimensional diffusion-ordered NMR spectroscopy. <i>Carbon</i> , 2012, 50, 2691-2697.	5.4	18
13	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	14
14	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. <i>Chemical Physics Letters</i> , 2013, 564, 60-64.	1.2	12
15	Detection of surface-linked polychlorinated biphenyls using surface-enhanced Raman scattering spectroscopy. <i>Vibrational Spectroscopy</i> , 2017, 90, 1-6.	1.2	12
16	Commercially available rapid diagnostic tests for the detection of high priority pathogens: status and challenges. <i>Analyst</i> , The, 2021, 146, 3750-3776.	1.7	10
17	Combinatorial Polymer Synthesis as a Tool in Biosensor and Biofuel Cell Development and Optimization. <i>ECS Transactions</i> , 2009, 19, 119-128.	0.3	5
18	Photochemical Synthesis of the Bioconjugate Folic Acid-Gold Nanoparticles. <i>Nanomaterials and Nanotechnology</i> , 2013, 3, 18.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Modulation of the Biocatalytic Properties of a Novel Lipase from Psychrophilic <i>Serratia</i> sp. (USBA-GBX-513) by Different Immobilization Strategies. <i>Molecules</i> , 2021, 26, 1574.	1.7	5
20	Study of the fluorescence quenching of 1-hydroxypyrene-3,6,8-trisulfonic acid by single-walled carbon nanotubes. <i>Universitas Scientiarum</i> , 2017, 22, 201.	0.2	3
21	Amperometric detection of triclosan with screen-printed carbon nanotube electrodes modified with Guinea Grass ( <i>Panicum maximum</i> ) peroxidase. <i>Universitas Scientiarum</i> , 2019, 24, 363-379.	0.2	2
22	Rapid electrochemical detection of <i>Staphylococcus aureus</i> based on screen-printed gold electrodes modified with cysteine and Guinea grass ( <i>Panicum maximum</i> ) peroxidase. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2020, 44, 835-844.	0.0	2
23	Chemoenzymatic Synthesis of the New 3-((2,3-Diacetoxypropanoyl)oxy)propane-1,2-diyl Diacetate Using Immobilized Lipase B from <i>Candida antarctica</i> and Pyridinium Chlorochromate as an Oxidizing Agent. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6501.	1.8	1
24	Caracterización del conjugado no covalente de grafeno y ácido fólico mediante espectroscopia Raman y métodos computacionales. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2018, 42, 96.	0.0	1