John J Castillo

List of Publications by Year
in descending order

24	919	686830 13	610482 24
papers	citations	h-index	g-index

24	24	24	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commercially available rapid diagnostic tests for the detection of high priority pathogens: status and challenges. Analyst, The, 2021, 146, 3750-3776.	1.7	10
2	Modulation of the Biocatalytic Properties of a Novel Lipase from Psychrophilic Serratia sp. (USBA-GBX-513) by Different Immobilization Strategies. Molecules, 2021, 26, 1574.	1.7	5
3	Chemoenzymatic Synthesis of the New 3-((2,3-Diacetoxypropanoyl)oxy)propane-1,2-diyl Diacetate Using Immobilized Lipase B from Candida antarctica and Pyridinium Chlorochromate as an Oxidizing Agent. International Journal of Molecular Sciences, 2020, 21, 6501.	1.8	1
4	Rapid electrochemical detection of Staphylococcus aureus based on screen-printed gold electrodes modified with cysteine and Guinea grass (Panicum maximum) peroxidase. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2020, 44, 835-844.	0.0	2
5	Amperometric detection of triclosan with screen-printed carbon nanotube electrodes modified with Guinea Grass (Panicum maximum) peroxidase. Universitas Scientiarum, 2019, 24, 363-379.	0.2	2
6	CaracterizaciÃ³n del conjugado no covalente de grafeno y Ã¡cido fÃ³lico mediante espectroscopia Raman y mÃ©todos computacionales. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2018, 42, 96.	0.0	1
7	Detection of surface-linked polychlorinated biphenyls using surface-enhanced Raman scattering spectroscopy. Vibrational Spectroscopy, 2017, 90, 1-6.	1.2	12
8	A new peroxidase from leaves of guinea grass (Panicum maximum): A potential biocatalyst to build amperometric biosensors. Bioelectrochemistry, 2017, 116, 33-38.	2.4	32
9	Study of the fluorescence quenching of 1-hydroxypyrene-3,6,8-trisulfonic acid by single-walled carbon nanotubes. Universitas Scientiarum, 2017, 22, 201.	0.2	3
10	Adsorption and Vibrational Study of Folic Acid on Gold Nanopillar Structures Using Surface-Enhanced Raman Scattering Spectroscopy. Nanomaterials and Nanotechnology, 2015, 5, 29.	1.2	33
11	Silverâ€capped silicon nanopillar platforms for adsorption studies of folic acid using surface enhanced Raman spectroscopy and density functional theory. Journal of Raman Spectroscopy, 2015, 46, 1087-1094.	1.2	21
12	Immobilization of lipases on glyoxylâ€“octyl supports: Improved stability and reactivation strategies. Process Biochemistry, 2015, 50, 1211-1217.	1.8	73
13	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	14
14	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. Chemical Physics Letters, 2013, 564, 60-64.	1.2	12
15	Non-covalent conjugates of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors. Journal of Materials Chemistry B, 2013, 1, 1475.	2.9	45
16	Detection of cancer cells using a peptidenanotubeâ€“folic acid modified graphene electrode. Analyst, The, 2013, 138, 1026-1031.	1.7	130
17	Photochemical Synthesis of the Bioconjugate Folic Acid-Gold Nanoparticles. Nanomaterials and Nanotechnology, 2013, 3, 18.	1.2	5
18	Monitoring the functionalization of single-walled carbon nanotubes with chitosan and folic acid by two-dimensional diffusion-ordered NMR spectroscopy. Carbon, 2012, 50, 2691-2697.	5.4	18

#	Article	IF	Citations
19	Redox electrodeposition polymers: adaptation of the redox potential of polymer-bound Os complexes for bioanalytical applications. Analytical and Bioanalytical Chemistry, 2010, 398, 1661-1673.	1.9	58
20	Combinatorial Polymer Synthesis as a Tool in Biosensor and Biofuel Cell Development and Optimization. ECS Transactions, 2009, 19, 119-128.	0.3	5
21	How curved membranes recruit amphipathic helices and protein anchoring motifs. Nature Chemical Biology, 2009, 5, 835-841.	3.9	352
22	Bioelectrocatalytic properties of lignin peroxidase from Phanerochaete chrysosporium in reactions with phenols, catechols and lignin-model compounds. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1343-1354.	1.1	25
23	Direct electrochemistry and bioelectrocatalysis of H2O2 reduction of recombinant tobacco peroxidase on graphite. Effect of peroxidase single-point mutation on Ca2+-modulated catalytic activity. Journal of Electroanalytical Chemistry, 2006, 588, 112-121.	1.9	32
24	Direct electrochemistry of recombinant tobacco peroxidase on gold. Electrochemistry Communications, 2005, 7, 1291-1297.	2.3	28