

Gustavo M Morales

List of Publications by Year in descending order

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45
papers

1,197
citations

430843

18
h-index

395678

33
g-index

48
all docs

48
docs citations

48
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Inversion of the Rectifying Effect in Diblock Molecular Diodes by Protonation. <i>Journal of the American Chemical Society</i> , 2005, 127, 10456-10457.	13.7	144
2	Synthesis of Diode Molecules and Their Sequential Assembly to Control Electron Transport. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4471-4475.	13.8	129
3	High-quality few layer graphene produced by electrochemical intercalation and microwave-assisted expansion of graphite. <i>Carbon</i> , 2011, 49, 2809-2816.	10.3	125
4	Novel synthetic methods to produce functionalized conducting polymers I. Polyanilines. <i>Electrochimica Acta</i> , 2004, 49, 3671-3686.	5.2	66
5	Photocurrent enhancement in dye-sensitized photovoltaic devices with titania-graphene composite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 683, 43-46.	3.8	47
6	Fengycins From <i>Bacillus amyloliquefaciens</i> MEP218 Exhibit Antibacterial Activity by Producing Alterations on the Cell Surface of the Pathogens <i>Xanthomonas axonopodis</i> pv. <i>vesicatoria</i> and <i>Pseudomonas aeruginosa</i> PA01. <i>Frontiers in Microbiology</i> , 2019, 10, 3107.	3.5	45
7	Synthesis and characterization of porphyrin electrochromic and photovoltaic electropolymers. <i>Organic Electronics</i> , 2012, 13, 604-614.	2.6	43
8	Effects of high hydrochloric acid concentration on aniline chemical polymerization. <i>Polymer</i> , 1997, 38, 5247-5250.	3.8	41
9	An EQCM electroacoustic study of poly(vinylferrocene) modified electrodes in different aqueous electrolytes. <i>Electrochimica Acta</i> , 2000, 45, 3895-3906.	5.2	39
10	Removal of N-methylpyrrolidone hydrogen-bonded to polyaniline free-standing films by protonation-deprotonation cycles or thermal heating. <i>Polymer International</i> , 2001, 50, 1180-1185.	3.1	39
11	Electrochemical polymerization of EDOT modified Phthalocyanines and their applications as electrochromic materials with green coloration, and strong absorption in the Near-IR. <i>Electrochimica Acta</i> , 2016, 213, 594-605.	5.2	38
12	A soluble and electroactive polyaniline obtained by coupling of 4-sulfobenzediazonium ion and poly (N-methylaniline). <i>Synthetic Metals</i> , 1998, 97, 223-227.	3.9	28
13	Effect of a <i>Pseudomonas fluorescens</i> tailocin against phytopathogenic <i>Xanthomonas</i> observed by atomic force microscopy. <i>Journal of Biotechnology</i> , 2017, 256, 13-20.	3.8	24
14	A top-down approach to build Li ₂ S@rGO cathode composites for high-loading lithium-sulfur batteries in carbonate-based electrolyte. <i>Electrochimica Acta</i> , 2019, 296, 243-250.	5.2	21
15	Asymmetric current-voltage characteristics of molecular junctions containing bipolar molecules. <i>Chemical Physics Letters</i> , 2006, 417, 401-405.	2.6	20
16	Anion effects on aniline polymerisation. <i>Synthetic Metals</i> , 1999, 101, 686.	3.9	19
17	Cofacial porphyrin multilayers via layer-by-layer assembly. <i>Chemical Communications</i> , 2006, , 100-102.	4.1	19
18	Self-Assembled Monolayers of Isocyanides on Nickel Electrodes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4228-4231.	13.8	18

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19	Flexible film materials from conjugated dye-modified polymer surfactant-induced aqueous graphene dispersions. <i>Journal of Materials Chemistry</i> , 2011, 21, 16129.	6.7	17
20	Electrosynthesis of a hyperbranched dendrimeric porphyrin polymer: optical and electronic characterization as a material for bifunctional electrochromic supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6125-6140.	4.9	16
21	Biohybrid membranes for effective bacterial vehiculation and simultaneous removal of hexavalent chromium (CrVI) and phenol. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 827-838.	3.6	16
22	New methods of polyaniline functionalization. <i>Synthetic Metals</i> , 1999, 101, 694-695.	3.9	15
23	Microgravimetric Study of Electrochemically Controlled Nucleophilic Addition of Sulfite to Polyaniline. <i>Langmuir</i> , 2004, 20, 2349-2355.	3.5	15
24	Soluble polyanilines obtained by nucleophilic addition of arenesulphinic acids. <i>Polymer</i> , 2006, 47, 8272-8280.	3.8	15
25	The optoelectronic behaviour of carbon nanoparticles: evidence of the importance of the outer carbon shell. <i>Nanoscale</i> , 2013, 5, 7977.	5.6	15
26	Synthesis of ultra-small cysteine-capped gold nanoparticles by pH switching of the Au(I)-cysteine polymer. <i>Journal of Colloid and Interface Science</i> , 2015, 441, 17-24.	9.4	15
27	Changes in the lipid composition of Bradyrhizobium cell envelope reveal a rapid response to water deficit involving lysophosphatidylethanolamine synthesis from phosphatidylethanolamine in outer membrane. <i>Research in Microbiology</i> , 2018, 169, 303-312.	2.1	15
28	An approach to study ultrastructural changes and adaptive strategies displayed by <i>Acinetobacter guillouiae</i> SFC 500-1A under simultaneous Cr(VI) and phenol treatment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20390-20400.	5.3	13
29	Characterization of the bacteriocins and the PrtR regulator in a plant-associated <i>Pseudomonas</i> strain. <i>Journal of Biotechnology</i> , 2020, 307, 182-192.	3.8	13
30	Atomic resolution imaging and spectroscopy of barium atoms and functional groups on graphene oxide. <i>Ultramicroscopy</i> , 2014, 145, 66-73.	1.9	12
31	Cell Autoaggregation, Biofilm Formation, and Plant Attachment in a <i>Sinorhizobium meliloti</i> <i>lpsB</i> Mutant. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 1075-1082.	2.6	12
32	Functional Polymers for Layer-by-Layer Construction of Multilayers via Chemoselective Immobilization. <i>Macromolecules</i> , 2004, 37, 1849-1856.	4.8	9
33	Electrochemiluminescent detection of glyphosate using electrodes modified with self-assembled monolayers. <i>Analytical Methods</i> , 2017, 9, 2452-2457.	2.7	9
34	Formic Acid Oxidation over Hierarchical Porous Carbon Containing PtPd Catalysts. <i>Catalysts</i> , 2013, 3, 902-913.	3.5	8
35	Design and Synthesis of Efficient Electrogenerated Chemiluminescent Emitters Derived from Pyrene. <i>Journal of the Electrochemical Society</i> , 2018, 165, G163-G170.	2.9	8
36	Formation and characterization of Langmuir and Langmuir-Blodgett films of Newkome-type dendrons in presence and absence of a therapeutic compound, for the development of surface mediated drug delivery systems. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 243-253.	9.4	7

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37	Electrochemical, spectroelectrochemical and surface photovoltage study of ambipolar C60-EDOT and C60-Carbazole based conducting polymers. <i>Electrochimica Acta</i> , 2019, 311, 178-191.	5.2	7
38	Morphological and structural response of <i>Bacillus</i> sp. SFC 500 after Cr(VI) and phenol treatment. <i>Journal of Basic Microbiology</i> , 2020, 60, 679-690.	3.3	7
39	PEG-based cross-linked films with aligned channels: combining cryogenic processing and photopolymerization for the design of micro-patterned oriented platforms. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 133-143.	3.4	6
40	Characterization of the surface redox process of caffeic acid adsorbed at glassy carbon electrodes modified with partially reduced graphene oxide. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 258-267.	3.8	5
41	Langmuir-Blodgett monolayers holding a wound healing active compound and its effect in cell culture. A model for the study of surface mediated drug delivery systems. <i>Heliyon</i> , 2021, 7, e06436.	3.2	4
42	Photolithography of Polyaniline on Solid Substrates Using Photoassisted Polymerization of Aniline. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 522, 89/[389]-96/[396].	0.9	3
43	Covalent chlorine incorporation during aniline polymerisation. <i>Synthetic Metals</i> , 1999, 101, 687.	3.9	2
44	The TiO ₂ /Ru(dcbpyH ₂) ₂ (NCS) ₂ /Au Schottky junction. <i>Thin Solid Films</i> , 2008, 516, 7234-7236.	1.8	2
45	Electrocatalysis of As(III) oxidation by cobalt oxide nanoparticles: measurement and modeling the effect of nanoparticle amount on As(III) oxidation potential. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1257-1267.	2.5	1