Gustavo M Morales

List of Publications by Year
in descending order

45 papers	1,197 citations	430874 18 h-index	395702 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. Journal of the American Chemical Society, 2005, 127, 10456-10457.	13.7	144
2	Synthesis of Diode Molecules and Their Sequential Assembly to Control Electron Transport. Angewandte Chemie - International Edition, 2004, 43, 4471-4475.	13.8	129
3	High-quality few layer graphene produced by electrochemical intercalation and microwave-assisted expansion of graphite. Carbon, 2011, 49, 2809-2816.	10.3	125
4	Novel synthetic methods to produce functionalized conducting polymers I. Polyanilines. Electrochimica Acta, 2004, 49, 3671-3686.	5.2	66
5	Photocurrent enhancement in dye-sensitized photovoltaic devices with titaniaâ€"graphene composite electrodes. Journal of Electroanalytical Chemistry, 2012, 683, 43-46.	3.8	47
6	Fengycins From Bacillus amyloliquefaciens MEP218 Exhibit Antibacterial Activity by Producing Alterations on the Cell Surface of the Pathogens Xanthomonas axonopodis pv. vesicatoria and Pseudomonas aeruginosa PA01. Frontiers in Microbiology, 2019, 10, 3107.	3.5	45
7	Synthesis and characterization of porphyrin electrochromic and photovoltaic electropolymers. Organic Electronics, 2012, 13, 604-614.	2.6	43
8	Effects of high hydrochloric acid concentration on aniline chemical polymerization. Polymer, 1997, 38, 5247-5250.	3.8	41
9	An EQCM electroacoustic study of poly(vinylferrocene) modified electrodes in different aqueous electrolytes. Electrochimica Acta, 2000, 45, 3895-3906.	5.2	39
10	Removal ofN-methylpyrrolidone hydrogen-bonded to polyaniline free-standing films by protonation-deprotonation cycles or thermal heating. Polymer International, 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. Electrochimica Acta, 2016, 213, 594-605.	5.2	38
12	A soluble and electroactive polyaniline obtained by coupling of 4-sulfobenzenediazonium ion and poly (N-methylaniline). Synthetic Metals, 1998, 97, 223-227.	3.9	28
13	Effect of a Pseudomonas fluorescens tailocin against phytopathogenic Xanthomonas observed by atomic force microscopy. Journal of Biotechnology, 2017, 256, 13-20.	3.8	24
14	A top-down approach to build Li2S@rGO cathode composites for high-loading lithiumâ€"sulfur batteries in carbonate-based electrolyte. Electrochimica Acta, 2019, 296, 243-250.	5.2	21
15	Asymmetric currentâ€"voltage characteristics of molecular junctions containing bipolar molecules. Chemical Physics Letters, 2006, 417, 401-405.	2.6	20
16	Anion effects on aniline polymerisation. Synthetic Metals, 1999, 101, 686.	3.9	19
17	Cofacial porphyrin multilayers via layer-by-layer assembly. Chemical Communications, 2006, , 100-102.	4.1	19
18	Self-Assembled Monolayers of Isocyanides on Nickel Electrodes. Angewandte Chemie - International Edition, 2005, 44, 4228-4231.	13.8	18

#	Article	IF	Citations
19	Flexible film materials from conjugated dye-modified polymer surfactant-induced aqueous graphene dispersions. Journal of Materials Chemistry, 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. Sustainable Energy and Fuels, 2020, 4, 6125-6140.	4.9	16
21	Biohybrid membranes for effective bacterial vehiculation and simultaneous removal of hexavalent chromium (CrVI) and phenol. Applied Microbiology and Biotechnology, 2021, 105, 827-838.	3.6	16
22	New methods of polyaniline functionalization. Synthetic Metals, 1999, 101, 694-695.	3.9	15
23	Microgravimetric Study of Electrochemically Controlled Nucleophilic Addition of Sulfite to Polyaniline. Langmuir, 2004, 20, 2349-2355.	3.5	15
24	Soluble polyanilines obtained by nucleophilic addition of arenesulphinic acids. Polymer, 2006, 47, 8272-8280.	3.8	15
25	The optoelectronic behaviour of carbon nanoparticles: evidence of the importance of the outer carbon shell. Nanoscale, 2013, 5, 7977.	5.6	15
26	Synthesis of ultra-small cysteine-capped gold nanoparticles by pH switching of the Au(I)â€“cysteine polymer. Journal of Colloid and Interface Science, 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. Research in Microbiology, 2018, 169, 303-312.	2.1	15
28	An approach to study ultrastructural changes and adaptive strategies displayed by Acinetobacter guillouiae SFC 500-1A under simultaneous Cr(VI) and phenol treatment. Environmental Science and Pollution Research, 2017, 24, 20390-20400.	5.3	13
29	Characterization of the bacteriocins and the PrtR regulator in a plant-associated Pseudomonas strain. Journal of Biotechnology, 2020, 307, 182-192.	3.8	13
30	Atomic resolution imaging and spectroscopy of barium atoms and functional groups on graphene oxide. Ultramicroscopy, 2014, 145, 66-73.	1.9	12
31	Cell Autoaggregation, Biofilm Formation, and Plant Attachment in a Sinorhizobium meliloti lpsB Mutant. Molecular Plant-Microbe Interactions, 2018, 31, 1075-1082.	2.6	12
32	Functional Polymers for Layer-by-Layer Construction of Multilayers via Chemoselective Immobilization. Macromolecules, 2004, 37, 1849-1856.	4.8	9
33	Electrochemiluminescent detection of glyphosate using electrodes modified with self-assembled monolayers. Analytical Methods, 2017, 9, 2452-2457.	2.7	9
34	Formic Acid Oxidation over Hierarchical Porous Carbon Containing PtPd Catalysts. Catalysts, 2013, 3, 902-913.	3.5	8
35	Design and Synthesis of Efficient Electrogenerated Chemiluminescent Emitters Derived from Pyrene. Journal of the Electrochemical Society, 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. Journal of Colloid and Interface Science, 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. Electrochimica Acta, 2019, 311, 178-191.	5.2	7
38	Morphological and structural response of Bacillus sp. SFC 500â€1E after Cr(VI) and phenol treatment. Journal of Basic Microbiology, 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. Molecular Systems Design and Engineering, 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. Journal of Electroanalytical Chemistry, 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. Heliyon, 2021, 7, e06436.	3.2	4
42	Photolithography of Polyaniline on Solid Substrates Using Photoassisted Polymerization of Aniline. Molecular Crystals and Liquid Crystals, 2010, 522, 89/[389]-96/[396].	0.9	3
43	Covalent chlorine incorporation during aniline polymerisation. Synthetic Metals, 1999, 101, 687.	3.9	2
44	The TiO2/Ru(dcbpyH2)2(NCS)2/Au Schottky junction. Thin Solid Films, 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. Journal of Solid State Electrochemistry, 2018, 22, 1257-1267.	2.5	1