Ana S Viana

List of Publications by Year
in descending order

110 papers	2,212 citations	201385 27 h-index	288905 40 g-index
110 all docs	110 docs citations	110 times ranked	3464 citing authors

#	Article	IF	Citations
1	Immunization with mannosylated nanovaccines and inhibition of the immune-suppressing microenvironment sensitizes melanoma to immune checkpoint modulators. Nature Nanotechnology, 2019, 14, 891-901.	15.6	167
2	Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. Journal of Controlled Release, 2017, 258, 182-195.	4.8	79
3	Redox induced orientational changes in a series of short chain ferrocenyl alkyl thiols self-assembled on gold(111) electrodes. Journal of Electroanalytical Chemistry, 2001, 500, 290-298.	1.9	77
4	N-Hydroxysuccinimide-terminated self-assembled monolayers on gold for biomolecules immobilisation. Electrochimica Acta, 2005, 50, 2117-2124.	2.6	76
5	New developments in gallium doped zinc oxide deposited on polymeric substrates by RF magnetron sputtering. Surface and Coatings Technology, 2004, 180-181, 20-25.	2.2	56
6	An efficient non-mediated amperometric biosensor for nitrite determination. Biosensors and Bioelectronics, 2010, 25, 2026-2032.	5.3	49
7	Ethanol effects on binary and ternary supported lipid bilayers with gel/fluid domains and lipid rafts. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 405-414.	1.4	49
8	Self-assembled monolayer of an iron(III) porphyrin disulphide derivative on gold. Electrochemistry Communications, 2003, 5, 36-41.	2.3	46
9	Electrochemical, spectroscopic and SPM evidence for the controlled formation of self-assembled monolayers and organised multilayers of ferrocenyl alkyl thiols on Au(111). Physical Chemistry Chemical Physics, 2001, 3, 3411-3419.	1.3	45
10	Hydrogenated silicon carbon nitride films obtained by HWCVD, PA-HWCVD and PECVD techniques. Journal of Non-Crystalline Solids, 2006, 352, 1361-1366.	1.5	45
11	Polyaniline films containing electrolessly precipitated palladium. Electrochimica Acta, 2004, 49, 2249-2257.	2.6	43
12	Differential targeting of membrane lipid domains by caffeic acid and its ester derivatives. Free Radical Biology and Medicine, 2018, 115, 232-245.	1.3	42
13	Adsorption of human serum albumin onto gold: a combined electrochemical and ellipsometric study. Journal of Colloid and Interface Science, 2004, 279, 95-99.	5.0	41
14	Exploiting the Therapeutic Potential of 8-Î²-<scp>d</scp>-Glucopyranosylgenistein: Synthesis, Antidiabetic Activity, and Molecular Interaction with Islet Amyloid Polypeptide and Amyloid Î²-Peptide (1â€“42). Journal of Medicinal Chemistry, 2014, 57, 9463-9472.	2.9	39
15	Immunosensor interface based on physical and chemical immunoglobulin G adsorption onto mixed self-assembled monolayers. Bioelectrochemistry, 2006, 69, 180-186.	2.4	38
16	Electrosynthesis of polydopamine films - tailored matrices for laccase-based biosensors. Applied Surface Science, 2019, 480, 979-989.	3.1	38
17	Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. Nanomedicine, 2014, 9, 2639-2656.	1.7	37
18	Antibody Oriented Immobilization on Gold using the Reaction between Carbon Disulfide and Amine Groups and Its Application in Immunosensing. Langmuir, 2012, 28, 17718-17725.	1.6	36

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19	Bioadhesive polymeric nanoparticles as strategy to improve the treatment of yeast infections in oral cavity: in-vitro and ex-vivo studies. European Polymer Journal, 2018, 104, 19-31.	2.6	35
20	A high loaded cationic nanoemulsion for quercetin delivery obtained by sub-PIT method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 256-264.	2.3	34
21	Tip-Specific Functionalization of Gold Nanorods for Plasmonic Biosensing: Effect of Linker Chain Length. Langmuir, 2017, 33, 6503-6510.	1.6	33
22	Potentiostatic and AFM Morphological Studies of Zn Electrodeposition in the Presence of Surfactants. Journal of the Electrochemical Society, 2007, 154, D452.	1.3	31
23	Sugar-based bactericides targeting phosphatidylethanolamine-enriched membranes. Nature Communications, 2018, 9, 4857.	5.8	31
24	Biomimetic membrane rafts stably supported on unmodified gold. Soft Matter, 2012, 8, 2007-2016.	1.2	30
25	An ultrarapid and regenerable microfluidic immunoassay coupled with integrated photosensors for point-of-use detection of ochratoxin A. Sensors and Actuators B: Chemical, 2016, 235, 554-562.	4.0	30
26	Self-assembled monolayers of a disulphide-derivatised cobalt-porphyrin on gold. Electrochimica Acta, 2005, 50, 2807-2813.	2.6	29
27	Different steps in the electrosynthesis of poly(3,4-ethylenedioxythiophene) on platinum. Electrochimica Acta, 2008, 54, 590-597.	2.6	29
28	Optical and structural analysis of porous silicon coated with GZO films using rf magnetron sputtering. Thin Solid Films, 2007, 515, 8664-8669.	0.8	28
29	The molecular mechanism of Nystatin action is dependent on the membrane biophysical properties and lipid composition. Physical Chemistry Chemical Physics, 2017, 19, 30078-30088.	1.3	28
30	Î±-Galactosylceramide and peptide-based nano-vaccine synergistically induced a strong tumor suppressive effect in melanoma. Acta Biomaterialia, 2018, 76, 193-207.	4.1	27
31	Lipid bilayers supported on bare and modified gold â€“ Formation, characterization and relevance of lipid rafts. Electrochimica Acta, 2014, 126, 139-150.	2.6	26
32	Development of Parvifloron D-loaded Smart Nanoparticles to Target Pancreatic Cancer. Pharmaceutics, 2018, 10, 216.	2.0	26
33	One step gold (bio)functionalisation based on CS2-amine reaction. Electrochimica Acta, 2010, 55, 8686-8695.	2.6	25
34	Development and Mechanistic Insight into the Enhanced Cytotoxic Potential of Parvifloron D Albumin Nanoparticles in EGFR-Overexpressing Pancreatic Cancer Cells. Cancers, 2019, 11, 1733.	1.7	24
35	Electrosynthesis of polydopamine-ethanolamine films for the development of immunosensing interfaces. Scientific Reports, 2021, 11, 2237.	1.6	24
36	Carbon disulfide mediated self-assembly of Laccase and iron oxide nanoparticles on gold surfaces for biosensing applications. Journal of Colloid and Interface Science, 2017, 485, 242-250.	5.0	23

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37	Plasmon-Enhanced Emission of a Phthalocyanine in Polyelectrolyte Films Induced by Gold Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 24674-24680.	1.5	22
38	Combination of hyaluronic acid and PLGA particles as hybrid systems for viscosupplementation in osteoarthritis. International Journal of Pharmaceutics, 2019, 559, 13-22.	2.6	22
39	Self-assembled monolayers of Vitamin B12 disulphide derivatives on gold. Electrochimica Acta, 2002, 47, 1587-1594.	2.6	21
40	Biocatalytic epoxidation of Î±-pinene to oxy-derivatives over cross-linked lipase aggregates. Journal of Molecular Catalysis B: Enzymatic, 2016, 134, 9-15.	1.8	21
41	4â€Aminothiophenol Selfâ€Assembled Monolayer for the Development of a DNA Biosensor Aiming the Detection of Cylindrospermopsin Producing Cyanobacteria. Electroanalysis, 2008, 20, 2467-2474.	1.5	20
42	Formation and Properties of Membrane-Ordered Domains by Phytoceramide: Role of Sphingoid Base Hydroxylation. Langmuir, 2015, 31, 9410-9421.	1.6	20
43	Electrochemical and optical characterization of thin polydopamine films on carbon surfaces for enzymatic sensors. Electrochimica Acta, 2018, 263, 480-489.	2.6	20
44	Anticancer properties of the abietane diterpene 6,7-dehydroroyleanone obtained by optimized extraction. Future Medicinal Chemistry, 2018, 10, 1177-1189.	1.1	20
45	Preliminary Assays towards Melanoma Cells Using Phototherapy with Gold-Based Nanomaterials. Nanomaterials, 2020, 10, 1536.	1.9	20
46	One-pot approach to modify nanostructured gold surfaces through in situ dithiocarbamate linkages. Electrochimica Acta, 2012, 83, 311-320.	2.6	19
47	Further Evidence of Possible Therapeutic Uses of Sambucus nigra L. Extracts by the Assessment of the In Vitro and In Vivo Anti-Inflammatory Properties of Its PLGA and PCL-Based Nanoformulations. Pharmaceutics, 2020, 12, 1181.	2.0	19
48	Optical and Electrochemical Combination Sensor with Polyâ€Aniline Film Modified Gold Surface and Its Application for Dissolved Oxygen Detection. Electroanalysis, 2014, 26, 374-381.	1.5	18
49	Nanoparticulate vaccine inhibits tumor growth via improved T cell recruitment into melanoma and huHER2 breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 835-847.	1.7	17
50	Proof-of-Concept Study of Multifunctional Hybrid Nanoparticle System Combined with NIR Laser Irradiation for the Treatment of Melanoma. Biomolecules, 2021, 11, 511.	1.8	17
51	Electrochemical Quartz Crystal Microbalance Study of Self-Assembled Monolayers and Multilayers of Ferrocenylthiol Derivatives on Gold. Langmuir, 2003, 19, 9542-9544.	1.6	16
52	In situ atomic force microscopy investigation of copper behaviour and polypyrrole deposition from salicylate medium. Electrochimica Acta, 2008, 53, 5783-5788.	2.6	16
53	A Biomimetic Platform to Study the Interactions of Bioelectroactive Molecules with Lipid Nanodomains. Langmuir, 2014, 30, 12627-12637.	1.6	16
54	Some studies on highly transparent wide band gap indium molybdenum oxide thin films rf sputtered at room temperature. Thin Solid Films, 2008, 516, 1359-1364.	0.8	14

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55	STM investigations of Au(111) electrodes coated with vitamin B12 derivatives. Surface Science, 2006, 600, 43-55.	0.8	13
56	Influence of the electropolymerisation mode on PEDOTh films morphology and redox behaviourâ€"an AFM investigation. Journal of Solid State Electrochemistry, 2010, 14, 523-530.	1.2	13
57	Nanostructured interfaces with site-specific bioreceptors for immunosensing. Applied Surface Science, 2017, 412, 455-463.	3.1	13
58	Morphological, optical and photovoltaic characteristics of MoSe2/SiOx/Si heterojunctions. Scientific Reports, 2020, 10, 1215.	1.6	13
59	The Role of Rosmarinic Acid on the Bioproduction of Gold Nanoparticles as Part of a Photothermal Approach for Breast Cancer Treatment. Biomolecules, 2022, 12, 71.	1.8	13
60	A novel fullerene lipoic acid derivative: Synthesis and preparation of self-assembled monolayers on gold. Surface Science, 2007, 601, 5062-5068.	0.8	12
61	Heterodinuclear Ni(<scp>ii</scp>) and Cu(<scp>ii</scp>) Schiff base complexes and their activity in oxygen reduction. Dalton Transactions, 2016, 45, 14725-14733.	1.6	12
62	Synthesis and effects of flavonoid structure variation on amyloid-Î² aggregation. Pure and Applied Chemistry, 2017, 89, 1305-1320.	0.9	12
63	Catalytic performance of bulk and colloidal Co/Al layered double hydroxide with Au nanoparticles in aerobic olefin oxidation. Applied Catalysis A: General, 2019, 584, 117155.	2.2	12
64	Electrooxidation of pyrrole-terminated self-assembled lipoic acid derivatives. Surface Science, 2009, 603, 2458-2462.	0.8	11
65	Mixed self-assembled monolayers of Co-porphyrin and n-alkane phosphonates on gold. Surface Science, 2011, 605, 1412-1419.	0.8	11
66	Kinetics and Mechanism of the Thermal Dehydration of a Robust and Yet Metastable Hemihydrate of 4-Hydroxynicotinic Acid. Crystal Growth and Design, 2015, 15, 3511-3524.	1.4	11
67	Polyelectrolyteâ€Assisted Noncovalent Functionalization of Carbon Nanotubes with Ordered Selfâ€Assemblies of a Waterâ€Soluble Porphyrin. ChemPhysChem, 2012, 13, 3622-3631.	1.0	10
68	m-Cresol affects the lipid bilayer in membrane models and living neurons. RSC Advances, 2016, 6, 105699-105712.	1.7	10
69	Oneâ€Step Cathodic and Anodic Synthesis of Hydrophilic Carbon Nanomaterials. ChemElectroChem, 2017, 4, 2693-2702.	1.7	10
70	Comprehensive study of the electrochemical growth and physicochemical properties of polycatecholamines and polycatechol. Electrochimica Acta, 2021, 386, 138515.	2.6	10
71	Green extraction of Sambucus nigra L. for potential application in skin nanocarriers. Green Materials, 2020, 8, 181-193.	1.1	10
72	Title is missing!. Russian Journal of Electrochemistry, 2002, 38, 39-43.	0.3	9

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73	A Newfangled Collagenase Inhibitor Topical Formulation Based on Ethosomes with Sambucus nigra L. Extract. Pharmaceuticals, 2021, 14, 467.	1.7	9
74	Synthesis and self-assembly of a novel cobalt(II) porphyrin lipoic acid derivative on gold. Journal of Porphyrins and Phthalocyanines, 2010, 14, 101-107.	0.4	8
75	Phospholipid/cholesterol/decanethiol mixtures for direct assembly of immunosensing interfaces. Colloids and Surfaces B: Biointerfaces, 2015, 136, 997-1003.	2.5	7
76	Dual Behaviour of Amorphous Carbon Released Electrochemically from Graphite. ChemistrySelect, 2016, 1, 4126-4130.	0.7	7
77	Optimization of protein loaded PLGA nanoparticle manufacturing parameters following a quality-by-design approach. RSC Advances, 2016, 6, 104502-104512.	1.7	7
78	Argon assisted chemical vapor deposition of CrO2: An efficient process leading to high quality epitaxial films. Journal of Alloys and Compounds, 2016, 684, 98-104.	2.8	7
79	Nanoscale characterization of the temporary adhesive of the sea urchin Paracentrotus lividus. Beilstein Journal of Nanotechnology, 2018, 9, 2277-2286.	1.5	7
80	Dyed hair photoprotection efficacy of a quercetin-loaded cationic nanoemulsion. Journal of Photochemistry and Photobiology B: Biology, 2020, 204, 111788.	1.7	7
81	Interfacing the enzyme multiheme cytochrome c nitrite reductase with pencil lead electrodes: Towards a disposable biosensor for cyanide surveillance in the environment. Biosensors and Bioelectronics, 2021, 191, 113438.	5.3	7
82	Self-assembled monolayers of metalloporphyrin phosphonates on electrochemically modified HOPG. Catalysis Today, 2012, 187, 70-76.	2.2	6
83	Improved Potentiometric and Optic Sensitivity of Polyaniline Film to Dissolved Oxygen by Incorporating Ironâ€Porphyrin. Electroanalysis, 2015, 27, 1427-1435.	1.5	6
84	Co and (Co,Mo) doping effects on the properties of highly reduced TiO 2 anatase thin films. Current Applied Physics, 2017, 17, 174-180.	1.1	6
85	Development of a Topical Insulin Polymeric Nanoformulation for Skin Burn Regeneration: An Experimental Approach. International Journal of Molecular Sciences, 2021, 22, 4087.	1.8	6
86	New iron(III) anti-cancer aminobisphenolate/phenanthroline complexes: Enhancing their therapeutic potential using nanoliposomes. International Journal of Pharmaceutics, 2022, 623, 121925.	2.6	6
87	Catalytic Co and Fe porphyrin/Fe 3 O 4 nanoparticles assembled on gold by carbon disulfide. Electrochimica Acta, 2016, 188, 1-12.	2.6	5
88	Electrogenerated hydrophilic carbon nanomaterials with tailored electrocatalytic activity. Electrochimica Acta, 2019, 302, 402-413.	2.6	5
89	Anchoring of Gold Nanoparticles on Graphene Oxide and Noncovalent Interactions with Porphyrinoids. ChemNanoMat, 2015, 1, 502-510.	1.5	4
90	Asymmetric binuclear Ni(ii) and Cu(ii) Schiff base metallopolymers. RSC Advances, 2015, 5, 39495-39504.	1.7	4

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91	The role of fibrinogen glycation in ATTR: evidence for chaperone activity loss in disease. Biochemical Journal, 2016, 473, 2225-2237.	1.7	4
92	ZnO Seed Layers Prepared by DC Reactive Magnetron Sputtering to be Applied as Electrodeposition Substrates. Journal of the Electrochemical Society, 2016, 163, H697-H704.	1.3	4
93	An Imaging Ellipsometry Approach to Dissolved Oxygen Measurement on Surface Tethered Weak Polyelectrolyte Modified Electrode. Journal of the Electrochemical Society, 2016, 163, H286-H291.	1.3	4
94	A new procedure for the preparation of hydrogen-permeable thin films. International Journal of Hydrogen Energy, 2007, 32, 3100-3104.	3.8	3
95	Polypyrrole on self-assembled monolayers of a pyrrolyl lipoic acid derivativeâ€"electrosynthesis and polymer film characterization. Journal of Solid State Electrochemistry, 2010, 14, 1985-1995.	1.2	3
96	Potential Modulation on Total Internal Reflection Ellipsometry. Analytical Chemistry, 2016, 88, 3211-3217.	3.2	3
97	Biobased Ionic Liquids as Multitalented Materials in Lipidic Drug Implants. Pharmaceutics, 2021, 13, 1163.	2.0	3
98	Effect of an interfacial oxide layer in the annealing behaviour of Au/a-Si:H MIS photodiodes. Journal of Non-Crystalline Solids, 2004, 338-340, 810-813.	1.5	2
99	Studies on the Electrochemical Growth of (Per)₂[Au(mnt)₂]. Langmuir, 2012, 28, 4883-4888.	1.6	2
100	Metal insertion into phosphonic acid terminated porphyrins immobilized on TiO₂ electrodes. Journal of Porphyrins and Phthalocyanines, 2012, 16, 351-358.	0.4	2
101	In Situ AFM Imaging of Adsorption Kinetics of DPPG Liposomes: A Quantitative Analysis of Surface Roughness. Microscopy and Microanalysis, 2019, 25, 798-809.	0.2	2
102	Cryptand-Functionalized Highly Oriented Pyrolytic Graphite Electrodes. Sustainability, 2021, 13, 4158.	1.6	2
103	Combined Electrochemical, Ellipsometric and Microgravimetric Study of Ion Permeable Polydopamine Films. Journal of the Electrochemical Society, 2022, 169, 046503.	1.3	2
104	Synthesis and properties of camphorimine iron(III) or copper(II) complexes. Inorganica Chimica Acta, 1997, 258, 201-209.	1.2	1
105	Role of the rf frequency on the structure and composition of polymorphous silicon films. Journal of Non-Crystalline Solids, 2004, 338-340, 183-187.	1.5	1
106	Electrocrystallisation of (Per)₂ [Pd(mnt)₂]. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1131-1133.	0.8	1
107	Formation of Biomimetic Membrane Rafts on Bare and Modified Gold. Biophysical Journal, 2012, 102, 28a.	0.2	0
108	Meta-Cresol Affects Lipid Raft Organization in Membrane-Model Systems and Increases Membrane Leakage in Neural Cells. Biophysical Journal, 2013, 104, 248a.	0.2	0

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109	Lipid Nanodomains on Modified Gold Surfaces - A Biomimetic Platform to Study Electroactive Biomolecule-Membrane Interactions. Biophysical Journal, 2014, 106, 209a.	0.2	0
110	Structural and electronic properties in asymmetric binuclear Zn(II) amphiphilic compounds. Journal of Coordination Chemistry, 2020, 73, 634-652.	0.8	0