

Ana C Marques

List of Publications by Year in descending order

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35
papers

1,252
citations

331670

21
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1645
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Induced Graphene Strain Sensors Produced by Ultraviolet Irradiation of Polyimide. <i>Advanced Functional Materials</i> , 2018, 28, 1805271.	14.9	228
2	Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 167-175.	10.1	135
3	Office Paper Platform for Bioelectrochromic Detection of Electrochemically Active Bacteria using Tungsten Trioxide Nanoprobes. <i>Scientific Reports</i> , 2015, 5, 9910.	3.3	75
4	Label-Free Nanosensing Platform for Breast Cancer Exosome Profiling. <i>ACS Sensors</i> , 2019, 4, 2073-2083.	7.8	57
5	Paper Microfluidics and Tailored Gold Nanoparticles for Nonenzymatic, Colorimetric Multiplex Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3576-3590.	8.0	56
6	Cellulose: A Contribution for the Zero eWaste Challenge. <i>Advanced Materials Technologies</i> , 2021, 6, .	5.8	56
7	Smart optically active VO ₂ nanostructured layers applied in roof-type ceramic tiles for energy efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2016, 150, 1-9.	6.2	52
8	Demonstration of the adhesive properties of the medium-chain-length polyhydroxyalkanoate produced by <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> from glycerol. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 1144-1151.	7.5	50
9	Laser-Induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101502.	3.7	48
10	Laser-Induced Graphene-Based Platforms for Dual Biorecognition of Molecules. <i>ACS Applied Nano Materials</i> , 2020, 3, 2795-2803.	5.0	43
11	Wax-printed paper-based device for direct electrochemical detection of 3-nitrotyrosine. <i>Electrochimica Acta</i> , 2018, 284, 60-68.	5.2	40
12	Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. <i>ACS Omega</i> , 2021, 6, 29268-29290.	3.5	40
13	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. <i>Scientific Reports</i> , 2019, 9, 17922.	3.3	38
14	8-hydroxy-2-deoxyguanosine (8-OHdG) biomarker detection down to picoMolar level on a plastic antibody film. <i>Biosensors and Bioelectronics</i> , 2016, 86, 225-234.	10.1	37
15	Laser-induced electrodes towards low-cost flexible UV ZnO sensors. <i>Flexible and Printed Electronics</i> , 2018, 3, 044002.	2.7	37
16	Paper-based (bio)sensor for label-free detection of 3-nitrotyrosine in human urine samples using molecular imprinted polymer. <i>Sensing and Bio-Sensing Research</i> , 2020, 28, 100333.	4.2	32
17	Silver nanocomposites based on the bacterial fucose-rich polysaccharide secreted by <i>Enterobacter A47</i> for wound dressing applications: Synthesis, characterization and in vitro bioactivity. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 959-969.	7.5	32
18	Production of medium-chain-length polyhydroxyalkanoates by <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> : Cultivation on fruit pulp waste and polymer characterization. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 85-92.	7.5	31

#	ARTICLE	IF	CITATIONS
19	Paper-Based In-Situ Gold Nanoparticle Synthesis for Colorimetric, Non-Enzymatic Glucose Level Determination. <i>Nanomaterials</i> , 2020, 10, 2027.	4.1	28
20	Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for Î²-Amyloid. <i>ACS Omega</i> , 2020, 5, 12057-12066.	3.5	27
21	Tuning the Electrical Properties of Cellulose Nanocrystals through Laser-Induced Graphitization for UV Photodetectors. <i>ACS Applied Nano Materials</i> , 2021, 4, 8262-8272.	5.0	23
22	Ultrafast Microwave Synthesis of WO ₃ Nanostructured Films for Solar Photocatalysis. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100196.	2.4	12
23	Demonstration of the ability of the bacterial polysaccharide FucoPol to flocculate kaolin suspensions. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 287-295.	2.2	10
24	Optoelectronics and Bio Devices on Paper Powered by Solar Cells. , 0, , .		9
25	Microneedle Arrays of Polyhydroxyalkanoate by Laser-Based Micromolding Technique. <i>ACS Applied Bio Materials</i> , 2020, 3, 5856-5864.	4.6	9
26	Non-enzymatic lab-on-paper devices for biosensing applications. <i>Comprehensive Analytical Chemistry</i> , 2020, , 189-237.	1.3	8
27	Enhanced solar photocatalysis of TiO ₂ nanoparticles and nanostructured thin films grown on paper. <i>Nano Express</i> , 2021, 2, 040002.	2.4	8
28	Bioconversion of Terephthalic Acid and Ethylene Glycol Into Bacterial Cellulose by <i>Komagataeibacter xylinus</i> DSM 2004 and DSM 46604. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 853322.	4.1	8
29	Visible Photoluminescent Zinc Oxide Nanorods for Label-Free Nonenzymatic Glucose Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 4386-4396.	5.0	7
30	Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700137.	5.3	4
31	Low Temperature Dissolution of Yeast Chitin-Glucan Complex and Characterization of the Regenerated Polymer. <i>Bioengineering</i> , 2020, 7, 28.	3.5	4
32	Probing the Effect of Ionic Strength on the Functional Robustness of the Triheme Cytochrome PpcA from <i>Geobacter sulfurreducens</i> : A Contribution for Optimizing Biofuel Cellâ€™s Power Density. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12416-12425.	2.6	3
33	A Planar Electrochromic Device using WO ₃ Nanoparticles and a Modified Paper-Based Electrolyte. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	3
34	Green Nanotechnology: Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection (<i>Adv. Sustainable Syst.</i> 1/2018). <i>Advanced Sustainable Systems</i> , 2018, 2, 1870002.	5.3	1
35	Surface-enhanced Raman scattering paper-based analytical devices. , 2022, , 117-167.		1