

Gustavo F Trindade

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,854
citations

623188

14
h-index

264894

42
g-index

55
all docs

55
docs citations

55
times ranked

3374
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , 2018, 360, 1442-1446.	6.0	1,221
2	MultiSIMNRA: A computational tool for self-consistent ion beam analysis using SIMNRA. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 371, 86-89.	0.6	68
3	simsMVA: A tool for multivariate analysis of ToF-SIMS datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 182, 180-187.	1.8	48
4	Protein identification by 3D OrbiSIMS to facilitate in situ imaging and depth profiling. <i>Nature Communications</i> , 2020, 11, 5832.	5.8	40
5	Non-negative matrix factorisation of large mass spectrometry datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 163, 76-85.	1.8	38
6	Compositional study of a corrosion protective layer formed by leachable lithium salts in a coating defect on AA2024-T3 aluminium alloys. <i>Progress in Organic Coatings</i> , 2018, 119, 65-75.	1.9	37
7	A Time-of-Flight Secondary Ion Mass Spectrometry/Multivariate Analysis (ToF-SIMS/MVA) Approach To Identify Phase Segregation in Blends of Incompatible but Extremely Similar Resins. <i>Analytical Chemistry</i> , 2018, 90, 3936-3941.	3.2	33
8	Design of highly stabilized nanocomposite inks based on biodegradable polymer-matrix and gold nanoparticles for Inkjet Printing. <i>Scientific Reports</i> , 2019, 9, 16097.	1.6	32
9	The chemical throwing power of lithium-based inhibitors from organic coatings on AA2024-T3. <i>Corrosion Science</i> , 2019, 150, 194-206.	3.0	27
10	Interflake Quantum Transport of Electrons and Holes in Inkjet-Printed Graphene Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2007478.	7.8	25
11	Development and characterisation of zinc oxalate conversion coatings on zinc. <i>Corrosion Science</i> , 2018, 137, 13-32.	3.0	21
12	Modelling the influence of UV curing strategies for optimisation of inkjet based 3D printing. <i>Materials and Design</i> , 2021, 208, 109889.	3.3	20
13	Elucidating the molecular landscape of the stratum corneum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114380119.	3.3	20
14	The influence of printing parameters on multi-material two-photon polymerisation based micro additive manufacturing. <i>Additive Manufacturing</i> , 2022, 51, 102575.	1.7	19
15	Modulating the biological function of protein by tailoring the adsorption orientation on nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 150-161.	5.0	16
16	External-PIXE analysis for the study of pigments from a painting from the Museum of Contemporary Art. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 332, 411-414.	0.6	14
17	Residual polymer stabiliser causes anisotropic electrical conductivity during inkjet printing of metal nanoparticles. <i>Communications Materials</i> , 2021, 2, .	2.9	14
18	Pre-Hispanic ceramics analyzed using PIXE and radiographic techniques. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 3025-3031.	0.6	12

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19	A study of the interfacial chemistry between polymeric methylene diphenyl diisocyanate and a Fe-Cr alloy. <i>Surface and Interface Analysis</i> , 2021, 53, 340-349.	0.8	12
20	Introduction to a series of dicarboxylic acids analyzed by x-ray photoelectron spectroscopy. <i>Surface Science Spectra</i> , 2017, 24, .	0.3	11
21	A Reactive Prodrug Ink Formulation Strategy for Inkjet 3D Printing of Controlled Release Dosage Forms and Implants. <i>Advanced Therapeutics</i> , 2020, 3, 1900187.	1.6	11
22	Characterisation of wood growth regions by multivariate analysis of ToF-SIMS data. <i>Surface and Interface Analysis</i> , 2016, 48, 584-588.	0.8	9
23	Elemental mapping of large samples by external ion beam analysis with sub-millimeter resolution and its applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 422, 68-77.	0.6	9
24	Functionalized Gold Nanoparticles with a Cohesion Enhancer for Robust Flexible Electrodes. <i>ACS Applied Nano Materials</i> , 2022, 5, 6708-6716.	2.4	9
25	Analysis of atmospheric plasma-treated polypropylene by large area ToF-SIMS imaging and NMF. <i>Surface and Interface Analysis</i> , 2018, 50, 1180-1186.	0.8	8
26	Exploiting Generative Design for 3D Printing of Bacterial Biofilm Resistant Composite Devices. <i>Advanced Science</i> , 2021, 8, e2100249.	5.6	7
27	Chemical Imaging of Buried Interfaces in Organic-Inorganic Devices Using Focused Ion Beam-Time-of-Flight-Secondary-Ion Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4500-4506.	4.0	6
28	Bespoke 3D-Printed Polydrug Implants Created via Microstructural Control of Oligomers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38969-38978.	4.0	6
29	OrbiSIMS metrology Part I: Optimisation of the target potential and collision cell pressure. <i>Surface and Interface Analysis</i> , 2022, 54, 331-340.	0.8	6
30	Molecular Formula Prediction for Chemical Filtering of 3D OrbiSIMS Datasets. <i>Analytical Chemistry</i> , 2022, 94, 4703-4711.	3.2	6
31	Ion beam analysis of a-C:H films on alloy steel substrate. <i>Thin Solid Films</i> , 2013, 545, 171-175.	0.8	5
32	Corrosion Protection of Electrogalvanized Steel by Surface Treatments containing Cerium and Niobium compounds. <i>International Journal of Electrochemical Science</i> , 2016, , 6655-6672.	0.5	5
33	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part II - butanedioic acid anhydrous. <i>Surface Science Spectra</i> , 2017, 24, .	0.3	5
34	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part V - heptanedioic acid anhydrous. <i>Surface Science Spectra</i> , 2017, 24, 011105.	0.3	5
35	Study of boron detection limit using the in-air PIGE set-up at LAMFI-USP. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	4
36	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part IV - hexanedioic acid anhydrous. <i>Surface Science Spectra</i> , 2017, 24, 011104.	0.3	4

#	ARTICLE	IF	CITATIONS
37	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part VI - octanedioic acid anhydrous. Surface Science Spectra, 2017, 24, 011106.	0.3	4
38	Multivariate analysis applied to particle-induced X-ray emission mapping. X-Ray Spectrometry, 2018, 47, 372-381.	0.9	4
39	In-air RBS measurements at the LAMFI external beam setup. AIP Conference Proceedings, 2014, , .	0.3	3
40	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part I - propanedioic acid anhydrous. Surface Science Spectra, 2017, 24, .	0.3	3
41	Dicarboxylic acids analysed by x-ray photoelectron spectroscopy, Part III - pentanedioic acid anhydrous. Surface Science Spectra, 2017, 24, 011103.	0.3	3
42	Surface mass spectrometry as a new approach for the characterisation of coffee. Surface and Interface Analysis, 2018, 50, 1051-1057.	0.8	1
43	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part II: Butanedioic acid. Surface Science Spectra, 2017, 24, 021403.	0.3	0
44	Dicarboxylic acids analyzed by time-of-flight secondary ion mass spectrometry (Introduction to parts I-VI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	0
45	Dicarboxylic acids analyzed by time-of-flight secondary ion mass spectrometry. Part 0: Ethanedioic acid. Surface Science Spectra, 2017, 24, 021401.	0.3	0
46	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part I: Propanedioic acid. Surface Science Spectra, 2017, 24, 021402.	0.3	0
47	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part III: Pentanedioic acid. Surface Science Spectra, 2017, 24, 021404.	0.3	0
48	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part IV: Hexanedioic acid. Surface Science Spectra, 2017, 24, 021405.	0.3	0
49	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part V: Heptanedioic acid. Surface Science Spectra, 2017, 24, 021406.	0.3	0
50	Dicarboxylic acids analyzed by time-of-flight secondary ions mass spectrometry. Part VI: Oxanedioic acid. Surface Science Spectra, 2017, 24, 021407.	0.3	0