

# Francisco Maia

## List of Publications by Year in descending order

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25  
papers

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citations

759233

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752698

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citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial volatile organic compounds induce adverse ultrastructural changes and <sc>DNA</sc> damage to the sugarcane pathogenic fungus <i>Thielaviopsis ethacetica</i>. Environmental Microbiology, 2022, 24, 1430-1453.	3.8	15
2	Sub-diffractive cavity modes of terahertz hyperbolic phonon polaritons in tin oxide. Nature Communications, 2021, 12, 1995.	12.8	26
3	In Situ Infrared Micro and Nanospectroscopy for Discharge Chemical Composition Investigation of Non-Aqueous Lithium-Air Cells. Advanced Energy Materials, 2021, 11, 2101884.	19.5	13
4	In Situ Infrared Micro and Nanospectroscopy for Discharge Chemical Composition Investigation of Non-Aqueous Lithium-Air Cells (Adv. Energy Mater. 45/2021). Advanced Energy Materials, 2021, 11, 2170177.	19.5	0
5	Probing Polaritons in 2D Materials with Synchrotron Infrared Nanospectroscopy. Advanced Optical Materials, 2020, 8, 1901091.	7.3	26
6	Acceleration of Subwavelength Polaritons by Engineering Dielectric-Metallic Substrates. ACS Photonics, 2020, 7, 1396-1402.	6.6	9
7	Anisotropic Flow Control and Gate Modulation of Hybrid Phonon-Polaritons. Nano Letters, 2019, 19, 708-715.	9.1	29
8	Dipole modelling for a robust description of subdiffractive polariton waves. Nanoscale, 2019, 11, 21218-21226.	5.6	11
9	NANOESPECTROSCÓPIA DE ABSORÇÃO DE RÁDIAÇÃO SÍNCROTRON NO INFRAVERMELHO PARA NANOESPECIAIS DE PRODUTOS DE CORROSÃO METÁLICA. Química Nova, 2019, , .	0.3	0
10	Infrared Fingerprints of Natural 2D Talc and Plasmon-Phonon Coupling in Graphene-Talc Heterostructures. ACS Photonics, 2018, 5, 1912-1918.	6.6	41
11	Low-aberration beamline optics for synchrotron infrared nanospectroscopy. Optics Express, 2018, 26, 11238.	3.4	36
12	The chemical fingerprint of hair melanosomes by infrared nano-spectroscopy. Nanoscale, 2018, 10, 14245-14253.	5.6	19
13	Oxygen impact on the electronic and vibrational properties of black phosphorus probed by synchrotron infrared nanospectroscopy. 2D Materials, 2017, 4, 035028.	4.4	16
14	Infrared Nanospectroscopy at the LNLS: Current Status and Ongoing Developments. Synchrotron Radiation News, 2017, 30, 24-30.	0.8	8
15	Infrared Vibrational Nanospectroscopy by Self-Referenced Interferometry. Nano Letters, 2016, 16, 55-61.	9.1	59
16	Graphene/h-BN plasmon-phonon coupling and plasmon delocalization observed by infrared nano-spectroscopy. Nanoscale, 2015, 7, 11620-11625.	5.6	53
17	Synthesis of diamond-like phase from graphite by ultrafast laser driven dynamical compression. Scientific Reports, 2015, 5, 11812.	3.3	20
18	Molecular Ordering of Conjugated Polymers at Metallic Interfaces Probed by SFG Vibrational Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 7386-7399.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Determination of the Graphite Incubation Parameter in the Ultrafast Regime using the D-Scan Technique. , 2014, , .		2
20	Imaging at 0.2 and 2.5 terahertz. Proceedings of SPIE, 2013, , .	0.8	0
21	Structural aspects of polyanion and hydrophobically modified polycation multilayers on hydrophilic or hydrophobic surfaces. Soft Matter, 2012, 8, 6462.	2.7	9
22	Filmes ultrafinos de Açúcares de celulose: preparo, caracterizaçãoe imobilizaçãoe de proteÍnas. Quimica Nova, 2010, 33, 2064-2069.	0.3	10
23	Solution behavior and surface properties of carboxymethylcellulose acetate butyrate. Cellulose, 2009, 16, 773-782.	4.9	10
24	Stability and interface properties of thin cellulose ester films adsorbed from acetone and ethyl acetate solutions. Journal of Colloid and Interface Science, 2009, 332, 477-483.	9.4	8
25	Ultrabroadband Nanocavity of Hyperbolic PhononPolaritons in 1D-Like $\text{MoO}_3$ . ACS Photonics, 0, , .	6.6	13