

Francisco Maia

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

456
citations

759233

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752698

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27
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docs citations

27
times ranked

717
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared Vibrational Nanospectroscopy by Self-Referenced Interferometry. <i>Nano Letters</i> , 2016, 16, 55-61.	9.1	59
2	Graphene/h-BN plasmon-phonon coupling and plasmon delocalization observed by infrared nano-spectroscopy. <i>Nanoscale</i> , 2015, 7, 11620-11625.	5.6	53
3	Infrared Fingerprints of Natural 2D Talc and Plasmon-Phonon Coupling in Graphene-Talc Heterostructures. <i>ACS Photonics</i> , 2018, 5, 1912-1918.	6.6	41
4	Low-aberration beamline optics for synchrotron infrared nanospectroscopy. <i>Optics Express</i> , 2018, 26, 11238.	3.4	36
5	Anisotropic Flow Control and Gate Modulation of Hybrid Phonon-Polaritons. <i>Nano Letters</i> , 2019, 19, 708-715.	9.1	29
6	Probing Polaritons in 2D Materials with Synchrotron Infrared Nanospectroscopy. <i>Advanced Optical Materials</i> , 2020, 8, 1901091.	7.3	26
7	Sub-diffractive cavity modes of terahertz hyperbolic phonon polaritons in tin oxide. <i>Nature Communications</i> , 2021, 12, 1995.	12.8	26
8	Molecular Ordering of Conjugated Polymers at Metallic Interfaces Probed by SFG Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7386-7399.	3.1	22
9	Synthesis of diamond-like phase from graphite by ultrafast laser driven dynamical compression. <i>Scientific Reports</i> , 2015, 5, 11812.	3.3	20
10	The chemical fingerprint of hair melanosomes by infrared nano-spectroscopy. <i>Nanoscale</i> , 2018, 10, 14245-14253.	5.6	19
11	Oxygen impact on the electronic and vibrational properties of black phosphorus probed by synchrotron infrared nanospectroscopy. <i>2D Materials</i> , 2017, 4, 035028.	4.4	16
12	Bacterial volatile organic compounds induce adverse ultrastructural changes and DNA damage to the sugarcane pathogenic fungus <i>Thielaviopsis ethacetica</i> . <i>Environmental Microbiology</i> , 2022, 24, 1430-1453.	3.8	15
13	Ultrabroadband Nanocavity of Hyperbolic Phonon-Polaritons in 1D-Like MoO_3 . <i>ACS Photonics</i> , 0, , .	6.6	13
14	In Situ Infrared Micro and Nanospectroscopy for Discharge Chemical Composition Investigation of Non-Aqueous Lithium-Air Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2101884.	19.5	13
15	Dipole modelling for a robust description of subdiffractive polariton waves. <i>Nanoscale</i> , 2019, 11, 21218-21226.	5.6	11
16	Solution behavior and surface properties of carboxymethylcellulose acetate butyrate. <i>Cellulose</i> , 2009, 16, 773-782.	4.9	10
17	Filmes ultrafinos de Ósteres de celulose: preparo, caracterizaço e imobilizaço de protenas. <i>Quimica Nova</i> , 2010, 33, 2064-2069.	0.3	10
18	Structural aspects of polyanion and hydrophobically modified polycation multilayers on hydrophilic or hydrophobic surfaces. <i>Soft Matter</i> , 2012, 8, 6462.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Acceleration of Subwavelength Polaritons by Engineering Dielectric-Metallic Substrates. ACS Photonics, 2020, 7, 1396-1402.	6.6	9
20	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
21	Infrared Nanospectroscopy at the LNLS: Current Status and Ongoing Developments. Synchrotron Radiation News, 2017, 30, 24-30.	0.8	8
22	Determination of the Graphite Incubation Parameter in the Ultrafast Regime using the D-Scan Technique. , 2014, , .		2
23	Imaging at 0.2 and 2.5 terahertz. Proceedings of SPIE, 2013, , .	0.8	0
24	NANOSPECTROSCOPIA DE ABSORÇÃO DE RADIAÇÃO SÍNCROTRON NO INFRAVERMELHO PARA NANOSPECIAÇÃO DE PRODUTOS DE CORROSÃO METÁLICA. Quimica Nova, 2019, , .	0.3	0
25	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