

Alessandro Nucara

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5788128/alessandro-nucara-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,261
citations

15
h-index

34
g-index

60
ext. papers

1,501
ext. citations

4.1
avg, IF

4.47
L-index

#	Paper	IF	Citations
58	Secondary structure of food proteins by Fourier transform spectroscopy in the mid-infrared region. <i>Amino Acids</i> , 2010 , 38, 679-90	3.5	245
57	Relationship between digestibility and secondary structure of raw and thermally treated legume proteins: a Fourier transform infrared (FT-IR) spectroscopic study. <i>Amino Acids</i> , 2012 , 43, 911-21	3.5	179
56	Performance of SISSI, the infrared beamline of the ELETTRA storage ring. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 959	1.7	112
55	Structural aspects of legume proteins and nutraceutical properties. <i>Food Research International</i> , 2015 , 76, 19-30	7	103
54	Application of Fourier transform infrared spectroscopy to legume seed flour analysis. <i>Food Chemistry</i> , 2008 , 108, 361-368	8.5	81
53	Highly ordered "defect-free" self-assembled hybrid films with a tetragonal mesostructure. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3838-46	16.4	67
52	Tunability of the dielectric function of heavily doped germanium thin films for mid-infrared plasmonics. <i>Physical Review B</i> , 2016 , 94,	3.3	57
51	Optical performances of SINBAD, the synchrotron infrared beamline at DAPHNE. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005 , 22, 2810-7	1.8	46
50	Optical properties of (SrMnO) _h /(LaMnO) _h superlattices: an insulator-to-metal transition observed in the absence of disorder. <i>Nano Letters</i> , 2010 , 10, 4819-23	11.5	26
49	Heterogeneity of the Transmembrane Protein Conformation in Purple Membranes Identified by Infrared Nanospectroscopy. <i>Small</i> , 2017 , 13, 1701181	11	23
48	An integrated superhydrophobic-plasmonic biosensor for mid-infrared protein detection at the femtomole level. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21337-42	3.6	21
47	High pressure behavior of Ga-doped LaMnO ₃ : a combined X-ray diffraction and optical spectroscopy study. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1304-1311		18
46	Stabilization of the Tensile Strength of Aged Cellulose Paper by Cholinium-Amino Acid Ionic Liquid Treatment. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24088-24097	3.8	18
45	Exogenous control over intracellular acidification: Enhancement via proton caged compounds coupled to gold nanoparticles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2304-7	4	15
44	Chemico-physical and nutritional properties of traditional legumes (lentil, <i>Lens culinaris</i> L., and grass pea, <i>Lathyrus sativus</i> L.) from organic agriculture: an explorative study. <i>Organic Agriculture</i> , 2015 , 5, 179-187	1.7	15
43	Protein clustering in chemically stressed HeLa cells studied by infrared nanospectroscopy. <i>Nanoscale</i> , 2016 , 8, 17560-17567	7.7	14
42	The infrared synchrotron radiation beamline at the third generation light source ELETTRA. <i>Review of Scientific Instruments</i> , 2003 , 74, 3934-3942	1.7	14

41	Analysis of phonon spectra of the $Zn_xCd_{1-x}Te$ solid-solution. <i>Journal of Alloys and Compounds</i> , 2004 , 371, 172-176	5.7	14
40	Vibrational spectra of hydrogenated CdTe. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1147-1154		13
39	The EFactory DANIE as a source of infrared radiation: An estimate of source size and brilliance. <i>Review of Scientific Instruments</i> , 1995 , 66, 1934-1936	1.7	13
38	Plasmonic Superchiral Lattice Resonances in the Mid-Infrared. <i>ACS Photonics</i> , 2020 , 7, 2676-2681	6.3	12
37	Epicatechin-induced conformational changes in β -lactoglobulin B monitored by FT-IR spectroscopy. <i>SpringerPlus</i> , 2013 , 2, 661		10
36	The white colour in Etruscan polychromes on terracotta: Spectroscopic identification of kaolin. <i>Journal of Cultural Heritage</i> , 2008 , 9, 23-29	2.9	10
35	The unseen evidence of Reduced Ionicity: The elephant in (the) room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 324, 115069	6	9
34	Optical spectra of $LaMn_{0.5}Ga_{0.5}O_3$: A contribution to the assignment of the electronic transitions in manganites. <i>Physica B: Condensed Matter</i> , 2014 , 433, 102-106	2.8	8
33	Scaling the spectral response of metamaterial dipolar filters in the terahertz. <i>Optics Communications</i> , 2011 , 284, 1690-1693	2	8
32	The synchrotron infrared beamline SISSI at ELETTRA. <i>Infrared Physics and Technology</i> , 2004 , 45, 375-381	2.7	8
31	A combined electrochemical, infrared and EDXD tool to disclose Deep Eutectic Solvents formation when one precursor is liquid: Glyceline as case study. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114292	6	7
30	Synthesis of proton caged disulphide compounds for gold nanoparticle functionalization. <i>New Journal of Chemistry</i> , 2015 , 39, 2489-2496	3.6	7
29	Optical investigation of $LaMnO_3$ thin films: a study of the 2-eV band. <i>European Physical Journal B</i> , 2011 , 79, 435-441	1.2	6
28	Ion distribution preferences in ternary crystals $Zn_xCd_{1-x}Te$, $Zn_{1-x}Hg_xTe$ and $Cd_{1-x}Hg_xTe$. <i>European Physical Journal B</i> , 2011 , 84, 183-195	1.2	6
27	Translational and rotational spectra in the fundamental infrared band of liquid and solid parahydrogen. <i>Physical Review B</i> , 1993 , 47, 2590-2595	3.3	6
26	Determination of the free carrier concentration in atomic-layer doped germanium thin films by infrared spectroscopy. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 094010	1.7	5
25	Hydrogen-Deuterium exchange kinetics in β -lactoglobulin (-)-epicatechin complexes studied by FTIR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 521-526	7.9	5
24	Doping-induced modifications in the infrared-active phonons of $La_{2-x}Sr_xCuO_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 350, 55-61	1.3	5

23	Spectral Characterization of Mid-Infrared Bloch Surface Waves Excited on a Truncated 1D Photonic Crystal. <i>ACS Photonics</i> , 2021 , 8, 350-359	6.3	5
22	Infrared Spectroscopy of the Topological Surface States of Bi ₂ Se ₃ by Use of the Berreman Effect. <i>Physical Review Letters</i> , 2018 , 121, 176803	7.4	5
21	Achieving cytochrome c fibril/aggregate control towards micro-platelets and micro-fibers by tuning pH and protein concentration: A combined morphological and spectroscopic analysis. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 106-115	7.9	4
20	Pressure-temperature phase diagram of charge ordering in Nd ^{1/2} Sr ^{1/2} MnO ₃ . <i>Europhysics Letters</i> , 2010 , 92, 47001	1.6	4
19	High resolution spectra of defects in CdTe obtained in far-infrared region using synchrotron radiation. <i>Infrared Physics and Technology</i> , 2006 , 49, 23-28	2.7	4
18	Intrinsic linewidth of the plasmonic resonance in a micrometric metal mesh. <i>Optics Express</i> , 2013 , 21, 15401-8	3.3	3
17	SINBAD, a brilliant IR source from the DAPHNE storage ring. <i>Journal of Synchrotron Radiation</i> , 1998 , 5, 575-7	2.4	3
16	Effect of band inversion on the phonon spectra of Hg _{1-x} Zn _x Te and Hg _{1-x} Cd _x Te semiconductor alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 2836-2839		3
15	Translational absorption band in low density mixtures of noble gases: the He-Xe case. <i>Molecular Physics</i> , 1995 , 84, 1065-1075	1.7	3
14	A multivariate analysis for enhancing the interpretation of infrared spectra of plant residues on lithic artefacts. <i>Journal of Archaeological Science: Reports</i> , 2020 , 33, 102526	0.7	3
13	The Puzzling Problem of Cardiolipin Membrane-Cytochrome c Interactions: A Combined Infrared and Fluorescence Study. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
12	Exogenous control over intracellular acidification: Enhancement via proton caged compounds coupled to gold nanoparticles and an alternative pathway with DMSO. <i>Data in Brief</i> , 2016 , 6, 745-9	1.2	2
11	Far-infrared synchrotron radiation spectroscopy of solids in normal and extreme conditions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 236-239		2
10	Infrared beamline SINBAD at DAFNE: expected performance at the sample site 1999 ,		2
9	Revealing Artists' Collaboration in a 14th Century Manuscript by Non-Invasive Analyses. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 771	2.4	2
8	Legume Proteins and Peptides as Compounds in Nutraceuticals: A Structural Basis for Dietary Health Effects.. <i>Nutrients</i> , 2022 , 14,	6.7	2
7	Modulating intracellular acidification by regulating the incubation time of proton caged compounds. <i>European Biophysics Journal</i> , 2016 , 45, 565-71	1.9	1
6	Vibron and roton bands in the first overtone of solid and liquid parahydrogen. <i>Physical Review B</i> , 1994 , 49, 6672-6677	3.3	1

5	Grazing-angle reflectivity setup for the low-temperature infrared spectroscopy of two-dimensional systems. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 1945-1950	2.4	1
4	Normal mode calculation and infrared spectroscopy of proteins in water solution: Relationship between amide I transition dipole strength and secondary structure. <i>International Journal of Biological Macromolecules</i> , 2021 , 185, 369-376	7.9	1
3	Dyes of a Shadow Theatre: Investigating Tholu Bommalu Indian Puppets through a Highly Sensitive Multi-Spectroscopic Approach. <i>Heritage</i> , 2021 , 4, 1807-1820	1.6	0
2	Cytochrome aggregation: A dataset at and far from the isoelectric point. <i>Data in Brief</i> , 2020 , 28, 104842	1.2	
1	Influence of Cortisol on the Fibril Formation Kinetics of A β 2 Peptide: A Multi-Technical Approach. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6007	6.3	