

# Luis A E Batista De Carvalho

## List of Publications by Year in descending order

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118  
papers

2,686  
citations

136740

32  
h-index

253896

43  
g-index

125  
all docs

125  
docs citations

125  
times ranked

3028  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Influence of cellulose ether polymers on ketoprofen release from hydrophilic matrix tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 51-59.   | 2.0 | 127       |
| 2  | s-cis and s-trans Conformers of formic, thioformic and dithioformic acids. An ab initio study. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1989, 85, 1945.   | 1.1 | 87        |
| 3  | Conformational Stability of Ibuprofen: Assessed by DFT Calculations and Optical Vibrational Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 845-859.  | 1.6 | 87        |
| 4  | Characterization of decavanadate and decaniobate solutions by Raman spectroscopy. <i>Dalton Transactions</i> , 2016, 45, 7391-7399.   | 1.6 | 74        |
| 5  | Conformational study of ketoprofen by combined DFT calculations and Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2006, 307, 56-65.   | 2.6 | 70        |
| 6  | Heat-induced Bone Diagenesis Probed by Vibrational Spectroscopy. <i>Scientific Reports</i> , 2018, 8, 15935.  | 1.6 | 67        |
| 7  | Chemotherapeutic response to cisplatin-like drugs in human breast cancer cells probed by vibrational microspectroscopy. <i>Faraday Discussions</i> , 2016, 187, 273-298.  | 1.6 | 65        |
| 8  | Conformational and vibrational study of platinum(II) anticancer drugs: cis-diamminedichloroplatinum (II) as a case study. <i>Journal of Chemical Physics</i> , 2007, 127, 185104.   | 1.2 | 57        |
| 9  | Guanine: A Combined Study Using Vibrational Spectroscopy and Theoretical Methods. <i>Spectroscopy</i> , 2012, 27, 273-292.  | 0.8 | 50        |
| 10 | Burned bones tell their own stories: A review of methodological approaches to assess heat-induced diagenesis. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 603-635.  | 3.4 | 50        |
| 11 | Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.   | 3.2 | 50        |
| 12 | Biologic Activity of a Dinuclear Pd(II)â€Spermine Complex Toward Human Breast Cancer. <i>Chemical Biology and Drug Design</i> , 2011, 77, 477-488.  | 1.5 | 48        |
| 13 | Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 15745-15756.   | 3.2 | 46        |
| 14 | Conformational study of 1,2-diaminoethane by combined ab initio MO calculations and Raman spectroscopy. <i>Journal of Molecular Structure</i> , 1999, 482-483, 639-646.   | 1.8 | 42        |
| 15 | Pt(II) vs Pd(II) Polyamine Complexes as New Anticancer Drugs: A Structure- Activity Study. <i>Letters in Drug Design and Discovery</i> , 2006, 3, 149-151.  | 0.4 | 42        |
| 16 | A molecular view of cisplatin's mode of action: interplay with DNA bases and acquired resistance. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5155-5171.   | 1.3 | 39        |
| 17 | Decavanadate, decaniobate, tungstate and molybdate interactions with sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase: quercetin prevents cysteine oxidation by vanadate but does not reverse ATPase inhibition. <i>Dalton Transactions</i> , 2012, 41, 12749. | 1.6 | 38        |
| 18 | An EXAFS Approach to the Study of Polyoxometalateâ€Protein Interactions: The Case of Decavanadateâ€Actin. <i>Inorganic Chemistry</i> , 2017, 56, 10893-10903.   | 1.9 | 38        |

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|----|--|-----|-----------|
| 19 | Influence of Cellulose Ether Mixtures on Ibuprofen Release: MC25, HPC and HPMC K100M. <i>Pharmaceutical Development and Technology</i> , 2006, 11, 213-228.  | 1.1 | 36        |
| 20 | Use of Effective Core Potential Calculations for the Conformational and Vibrational Study of Platinum(II) Anticancer Drugs. <i>cis</i> -Diamminedichloroplatinum(II) as a Case Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3253-3259.             | 1.1 | 36        |
| 21 | Applying vibrational spectroscopy to the study of nucleobases – adenine as a case-study. <i>New Journal of Chemistry</i> , 2013, 37, 2691.   | 1.4 | 36        |
| 22 | Intracellular water – an overlooked drug target? Cisplatin impact in cancer cells probed by neutrons. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2702-2713.  | 1.3 | 36        |
| 23 | Evidence of dimerization through C=H...O interactions in liquid 4-methoxybenzaldehyde from Raman spectra and ab initio calculations. <i>Journal of Raman Spectroscopy</i> , 1997, 28, 867-872.   | 1.2 | 35        |
| 24 | Effects of Carvedilol on Isolated Heart Mitochondria: Evidence for a Protonophoretic Mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 82-87.   | 1.0 | 35        |
| 25 | Effect of the Metal Center on the Antitumor Activity of the Analogous Dinuclear Spermine Chelates (PdCl <sub>2</sub> ) <sub>2</sub> (Spermine) and (PtCl <sub>2</sub> ) <sub>2</sub> (Spermine). <i>Letters in Drug Design and Discovery</i> , 2007, 4, 460-463. | 0.4 | 34        |
| 26 | Polymorphism in Cisplatin Anticancer Drug. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6421-6429.  | 1.2 | 34        |
| 27 | The importance of suppressing spin diffusion effects in the accurate determination of the spatial structure of a flexible molecule by nuclear Overhauser effect spectroscopy. <i>Journal of Molecular Structure</i> , 2016, 1106, 373-381.                       | 1.8 | 34        |
| 28 | Conformational studies by Raman spectroscopy and statistical analysis of gauche interactions in n-butylamine. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1986, 42, 589-597.   | 0.1 | 33        |
| 29 | Molecular structure and properties of thioacetic acid. <i>Computational and Theoretical Chemistry</i> , 1990, 207, 67-83.  | 1.5 | 33        |
| 30 | Study of Biogenic and 1,5-Polyamines by Combined Inelastic Neutron Scattering and Raman Spectroscopies and by Ab Initio Molecular Orbital Calculations. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2473-2482.   | 1.1 | 33        |
| 31 | Role of Cellulose Ether Polymers on Ibuprofen Release from Matrix Tablets. <i>Drug Development and Industrial Pharmacy</i> , 2005, 31, 653-665.  | 0.9 | 33        |
| 32 | Characterization of Pt-, Pd-spermine complexes for their effect on polyamine pathway and cisplatin resistance in A2780 ovarian carcinoma cells. <i>Oncology Reports</i> , 2010, 24, 15-24.   | 1.2 | 33        |
| 33 | Determination of preferred conformations of ibuprofen in chloroform by 2D NOE spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 65, 65-73.  | 1.9 | 33        |
| 34 | Crystal clear: Vibrational spectroscopy reveals intrabone, intraskeleton, and interskeleton variation in human bones. <i>American Journal of Physical Anthropology</i> , 2018, 166, 296-312.   | 2.1 | 33        |
| 35 | Inelastic Neutron Scattering Study of Pt II Complexes Displaying Anticancer Properties. <i>ChemPhysChem</i> , 2011, 12, 1334-1341.   | 1.0 | 31        |
| 36 | The autooxidation process in linoleic acid screened by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1991-2000.   | 1.2 | 30        |

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|----|--|-----|-----------|
| 37 | A conformational study of hydroxyflavones by vibrational spectroscopy coupled to DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 116-124.                    | 2.0 | 29        |
| 38 | A comparative ab initio MO study of internal rotations in ethylamine and n-propylamine. <i>Computational and Theoretical Chemistry</i> , 1990, 205, 327-351.   | 1.5 | 27        |
| 39 | Potential of Bioapatite Hydroxyls for Research on Archeological Burned Bone. <i>Analytical Chemistry</i> , 2018, 90, 11556-11563.  | 3.2 | 27        |
| 40 | Anticancer drug impact on DNA – a study by neutron spectroscopy coupled with synchrotron-based FTIR and EXAFS. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4162-4175.   | 1.3 | 27        |
| 41 | Drug–excipient interactions in ketoprofen: A vibrational spectroscopy study. <i>Biopolymers</i> , 2006, 82, 420-424.   | 1.2 | 26        |
| 42 | Study of carvedilol by combined Raman spectroscopy and ab initio MO calculations. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 778-783.  | 1.2 | 25        |
| 43 | Profiling of human burned bones: oxidising versus reducing conditions. <i>Scientific Reports</i> , 2021, 11, 1361.   | 1.6 | 24        |
| 44 | Conformational insights and vibrational study of a promising anticancer agent: the role of the ligand in Pd(amine) complexes. <i>New Journal of Chemistry</i> , 2015, 39, 6274-6283.                                     | 1.4 | 23        |
| 45 | Rather yield than break: assessing the influence of human bone collagen content on heat-induced warping through vibrational spectroscopy. <i>International Journal of Legal Medicine</i> , 2016, 130, 1647-1656.         | 1.2 | 23        |
| 46 | Conformational studies of n-propylamine by combined ab initio MO calculations and Raman spectroscopy. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1988, 44, 723-732.                                     | 0.1 | 22        |
| 47 | Raman spectra of putrescine, spermidine and spermine polyamines and their N-deuterated and N-ionized derivatives. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 357-366.  | 1.2 | 22        |
| 48 | Osteometrics in burned human skeletal remains by neutron and optical vibrational spectroscopy. <i>RSC Advances</i> , 2016, 6, 68638-68641.   | 1.7 | 21        |
| 49 | Chemotherapeutic Targets in Osteosarcoma: Insights from Synchrotron-MicroFTIR and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6968-6979.                                       | 1.2 | 21        |
| 50 | Transverse Acoustic Modes of Biogenic and 1,3-Polyamines: A Study by Inelastic Neutron Scattering and Raman Spectroscopies Coupled to DFT Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12947-12954. | 1.1 | 19        |
| 51 | First analysis of ancient burned human skeletal remains probed by neutron and optical vibrational spectroscopy. <i>Science Advances</i> , 2019, 5, eaaw1292.   | 4.7 | 19        |
| 52 | Chemosteometric regression models of heat exposed human bones to determine their pre-burnt metric dimensions. <i>American Journal of Physical Anthropology</i> , 2020, 173, 734-747.                                     | 2.1 | 19        |
| 53 | A molecular mechanics force field for conformational analysis of aliphatic acyclic amines. <i>Structural Chemistry</i> , 1990, 1, 533-542.   | 1.0 | 17        |
| 54 | The C-C internal rotation in $\alpha$ -alkyl substituted carbonyls and thiocarbonyls: CH(CH <sub>3</sub> ) <sub>2</sub> C(X)YH (X, Y = O, S)   | 1.5 | 17        |

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|----|---|-----|-----------|
| 55 | A New Look into the Mode of Action of Metal-Based Anticancer Drugs. <i>Molecules</i> , 2020, 25, 246.   | 1.7 | 17        |
| 56 | Spectroscopic characterization and efflux pump modulation of a thiophene curcumin derivative. <i>Journal of Molecular Structure</i> , 2020, 1215, 128291.                                 | 1.8 | 17        |
| 57 | The Influence of the Compression Force on Zidovudine Release from Matrix Tablets. <i>AAPS PharmSciTech</i> , 2010, 11, 1442-1448.   | 1.5 | 16        |
| 58 | A conformational study of hydroxylated isoflavones by vibrational spectroscopy coupled with DFT calculations. <i>Vibrational Spectroscopy</i> , 2013, 68, 257-265.                        | 1.2 | 16        |
| 59 | Highly ordered luminescent calix[4]azacrown films showing an emission response selective to volatile tetrahydrofuran. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9012-9020.       | 2.7 | 16        |
| 60 | Role of intracellular water in the normal-to-cancer transition in human cells—insights from quasi-elastic neutron scattering. <i>Structural Dynamics</i> , 2020, 7, 054701.               | 0.9 | 16        |
| 61 | Vibrational spectroscopy studies on linear polyamines. <i>Biochemical Society Transactions</i> , 2007, 35, 374-380.   | 1.6 | 15        |
| 62 | Conformational behaviour of antioxidant chromones. A vibrational spectroscopy study. <i>Vibrational Spectroscopy</i> , 2012, 63, 325-337.   | 1.2 | 15        |
| 63 | The CH <sub>3</sub> CH <sub>2</sub> — internal rotation in thiopropionic acid as studied by ab initio SCF-MO method. <i>Computational and Theoretical Chemistry</i> , 1990, 208, 109-121. | 1.5 | 14        |
| 64 | Raman spectra, conformational stability and normal coordinate analysis of ethylmethylamine. <i>Journal of Raman Spectroscopy</i> , 1995, 26, 653-661.                                     | 1.2 | 14        |
| 65 | Intra- versus interchain interactions in 1,6-hexanediamine-polyamines: a Raman spectroscopy study. <i>Vibrational Spectroscopy</i> , 2004, 35, 165-171.                                   | 1.2 | 14        |
| 66 | Conformational and vibrational study of cis-diamminedichloropalladium(ii). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14309.  | 1.3 | 14        |
| 67 | Calixarene functionalization of TiO <sub>2</sub> nanoarrays: an effective strategy for enhancing the sensor versatility. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10649-10654.  | 5.2 | 14        |
| 68 | The drying process of <i>Sarcocornia perennis</i> : impact on nutritional and physico-chemical properties. <i>Journal of Food Science and Technology</i> , 2020, 57, 4443-4458.           | 1.4 | 14        |
| 69 | The carbon—hydrogen stretching region of the Raman spectra of 1,6-hexanediamine: N-deuteration, ionisation and temperature effects. <i>Vibrational Spectroscopy</i> , 2002, 29, 61-67.    | 1.2 | 13        |
| 70 | Biomaterials from human bone — probing organic fraction removal by chemical and enzymatic methods. <i>RSC Advances</i> , 2018, 8, 27260-27267.  | 1.7 | 13        |
| 71 | Beyond metrics and morphology: the potential of FTIR-ATR and chemometrics to estimate age-at-death in human bone. <i>International Journal of Legal Medicine</i> , 2020, 134, 1905-1914.  | 1.2 | 13        |
| 72 | Intracellular water as a mediator of anticancer drug action. <i>International Reviews in Physical Chemistry</i> , 2020, 39, 67-81.  | 0.9 | 13        |

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|----|---|-----|-----------|
| 73 | Conformational analysis of carbonyl and thiocarbonyl ethyl esters: The HC(?X) (X,Y = O or S) internal rotation. <i>Journal of Computational Chemistry</i> , 1992, 13, 799-809.  | 1.5 | 12        |
| 74 | Spectroscopic and Theoretical Studies on Solid 1,2-Ethylenediamine Dihydrochloride Salt. <i>ChemPhysChem</i> , 2004, 5, 1837-1847.  | 1.0 | 12        |
| 75 | Development and Validation of a RP-HPLC Method for the Determination of Zidovudine and Its Related Substances in Sustained-release Tablets. <i>Analytical Sciences</i> , 2011, 27, 283-289.   | 0.8 | 12        |
| 76 | Pt(II) Complexes with Linear Diaminesâ€”Part I: Vibrational Study of Pt-Diaminopropane. <i>Spectroscopy</i> , 2012, 27, 403-413.  | 0.8 | 12        |
| 77 | Anomalous surface-enhanced Raman scattering of aromatic aldehydes and carboxylic acids. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 413-417.   | 1.2 | 12        |
| 78 | A New Look into Cancerâ€™s A Review on the Contribution of Vibrational Spectroscopy on Early Diagnosis and Surgery Guidance. <i>Cancers</i> , 2021, 13, 5336.   | 1.7 | 12        |
| 79 | The temperature dependence of the Raman spectrum and gauche interactions of tri-N-butylamine: a conformational study. <i>Canadian Journal of Chemistry</i> , 1987, 65, 384-390.   | 0.6 | 11        |
| 80 | Temperature-dependent intensities of Raman bands of di-n-butylamine. <i>Journal of Raman Spectroscopy</i> , 1987, 18, 115-118.  | 1.2 | 11        |
| 81 | Biorefining Potential of Wild-Grown <i>Arundo donax</i> , <i>Cortaderia selloana</i> and <i>Phragmites australis</i> and the Feasibility of White-Rot Fungi-Mediated Pretreatments. <i>Frontiers in Plant Science</i> , 2021, 12, 679966. | 1.7 | 11        |
| 82 | Whoâ€™s Who? Discrimination of Human Breast Cancer Cell Lines by Raman and FTIR Microspectroscopy. <i>Cancers</i> , 2022, 14, 452.  | 1.7 | 11        |
| 83 | On the Effects of Changing Gaussian Program Version and SCRF Defining Parameters: Isopropylamine as a Case Study. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 962-975.   | 2.0 | 10        |
| 84 | <i>In vitro</i> release of ketoprofen from hydrophilic matrix tablets containing cellulose polymer mixtures. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1651-1662.   | 0.9 | 10        |
| 85 | An inelastic neutron scattering study of dietary phenolic acids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7491-7500.  | 1.3 | 10        |
| 86 | Novel platinum-based anticancer drug: a complete vibrational study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 628-634.  | 0.2 | 10        |
| 87 | Shedding light into the healthâ€beneficial properties of <i>Corema album</i> â€”A vibrational spectroscopy study. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 313-322.   | 1.2 | 10        |
| 88 | FTIR Screening to Elucidate Compositional Differences in Maize Recombinant Inbred Lines with Contrasting Saccharification Efficiency Yields. <i>Agronomy</i> , 2021, 11, 1130.  | 1.3 | 10        |
| 89 | The impact of moderate heating on human bones: an infrared and neutron spectroscopy study. <i>Royal Society Open Science</i> , 2021, 8, 210774.   | 1.1 | 10        |
| 90 | Nutraceutical properties of tamarillo fruits: A vibrational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119501.  | 2.0 | 9         |

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|-----|--|-----|-----------|
| 91  | Validation of the mPW1PW Quantum chemical calculations for the vibrational study of organic molecules – reassignment of the isopropylamine vibrational spectra. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 110-121.                | 0.9 | 8         |
| 92  | On the Relevance of Considering the Intermolecular Interactions on the Prediction of the Vibrational Spectra of Isopropylamine. <i>Journal of Chemistry</i> , 2013, 2013, 1-12.  | 0.9 | 8         |
| 93  | FTIR Spectroscopy and DFT Calculations to Probe the Kinetics of $\hat{I}^2$ -Carotene Thermal Degradation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5266-5273.  | 1.1 | 8         |
| 94  | Determination of preferred conformations of mefenamic acid in DMSO by NMR spectroscopy and GIAO calculation. <i>AIP Conference Proceedings</i> , 2019, , .   | 0.3 | 8         |
| 95  | Conformational analysis of carbonyl and thiocarbonyl esters: the HC(=X)YXXXCH(CH <sub>3</sub> ) <sub>2</sub> (X,Y = O or S) internal rotation. <i>Computational and Theoretical Chemistry</i> , 1992, 262, 87-103.                               | 1.5 | 7         |
| 96  | Ab initio MO conformational study of ethylmethanamine. <i>Computational and Theoretical Chemistry</i> , 1993, 282, 199-209.  | 1.5 | 7         |
| 97  | Study of physiological and biochemical events leading to vitrification of <i>Arbutus unedo</i> L. cultured in vitro. <i>Trees - Structure and Function</i> , 2021, 35, 241-253.  | 0.9 | 7         |
| 98  | Metallodrug-protein interaction probed by synchrotron terahertz and neutron scattering spectroscopy. <i>Biophysical Journal</i> , 2021, 120, 3070-3078.  | 0.2 | 7         |
| 99  | Temperature- and solvent-dependent raman bands of n-propylamine-N-d <sub>2</sub> : a conformational study. <i>Journal of Molecular Structure</i> , 1990, 218, 105-110.   | 1.8 | 6         |
| 100 | New sustained release of Zidovudine Matrix tablets – cytotoxicity toward Caco-2 cells. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1154-1166.  | 0.9 | 6         |
| 101 | Vibrational and conformational studies of 1,3-diaminopropane and its N-deuterated and N-ionised derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 10132-10147.  | 1.4 | 6         |
| 102 | Human bone probed by neutron diffraction: the burning process. <i>RSC Advances</i> , 2019, 9, 36640-36648.   | 1.7 | 6         |
| 103 | Looking for Minor Phenolic Compounds in Extra Virgin Olive Oils Using Neutron and Raman Spectroscopies. <i>Antioxidants</i> , 2021, 10, 643.   | 2.2 | 5         |
| 104 | Novel Insights into Corema album Berries: Vibrational Profile and Biological Activity. <i>Plants</i> , 2021, 10, 1761.   | 1.6 | 5         |
| 105 | Conformational analysis of dimethylethylamine: an ab initio MO study and comparison with ethylamine and ethylmethanamine. <i>Computational and Theoretical Chemistry</i> , 1993, 282, 211-221.   | 1.5 | 4         |
| 106 | Oxygen-by-sulfur substitutions in glycine: conformational and vibrational effects –. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 2507-2514.  | 0.9 | 4         |
| 107 | Geochemical and mineralogical fingerprints to distinguish the exploited ferruginous mineralisations of Grotta della Monaca (Calabria, Italy). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 704-720. | 2.0 | 4         |
| 108 | The association of osteochemometrics and bone mineral density in humans. <i>American Journal of Physical Anthropology</i> , 2021, 176, 434-444.  | 2.1 | 4         |

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|-----|--|-----|-----------|
| 109 | New Insights on the Vibrational Dynamics of 2-Methoxy-, 4-Methoxy- and 4-Ethoxy-Benzaldehyde from INS Spectra and Periodic DFT Calculations. <i>Materials</i> , 2021, 14, 4561.  | 1.3 | 4         |
| 110 | Water dynamics in human cancer and non-cancer tissues. <i>Physical Chemistry Chemical Physics</i> , 0, , .   | 1.3 | 4         |
| 111 | Gamma scintigraphy in the analysis of ketoprofen behaviour from matrix tablets. <i>International Journal of Pharmaceutics</i> , 2013, 448, 298-304.  | 2.6 | 3         |
| 112 | Vibrational spectroscopy to study ancient Roman funerary practices at the "Hypogeum of the Garlands" (Italy). <i>Scientific Reports</i> , 2022, 12, 3707.  | 1.6 | 3         |
| 113 | On the correction of calculated vibrational frequencies for the effects of the counterions "±, % diamine dihydrochlorides. <i>Journal of Molecular Modeling</i> , 2015, 21, 266.   | 0.8 | 2         |
| 114 | Conformational study and reassessment of the vibrational assignments for Norspermidine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 227-237.   | 2.0 | 2         |
| 115 | Vibrational Spectroscopy Studies on Biologically Relevant Molecules: From Anticancer Agents to Drugs of Abuse. <i>ACS Symposium Series</i> , 2007, , 338-363.  | 0.5 | 1         |
| 116 | Comment on "Assessment of new DFT methods for predicting vibrational spectra and structure of cisplatin: Which density functional should we choose for studying platinum(II) complexes?" [Spectrochim. Acta A125 (2014) 431-439]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 347. | 2.0 | 1         |
| 117 | Raman spectroscopic evidence for the inclusion of decanoate ion in trimethyl- $\beta$ -cyclodextrin. <i>Vibrational Spectroscopy</i> , 2016, 85, 175-180.  | 1.2 | 1         |
| 118 | Towards Neutron Scattering Identification of Olive Oil's Antioxidant Properties. <i>Neutron News</i> , 0, , 1-2.   | 0.1 | 0         |