

# Clara C S Sousa

## List of Publications by Year in descending order

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54  
papers

971  
citations

471371

17  
h-index

501076

28  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1158  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview of the Evolution of Infrared Spectroscopy Applied to Bacterial Typing. <i>Biotechnology Journal</i> , 2018, 13, 1700449.	1.8	81
2	MALDI-TOF MS and chemometric based identification of the <i>Acinetobacter calcoaceticus</i> - <i>Acinetobacter baumannii</i> complex species. <i>International Journal of Medical Microbiology</i> , 2014, 304, 669-677.	1.5	53
3	A Review on the Biological Activity of <i>Camellia</i> Species. <i>Molecules</i> , 2021, 26, 2178.	1.7	53
4	MALDI-TOF mass spectrometry as a tool for the discrimination of high-risk <i>Escherichia coli</i> clones from phylogenetic groups B2 (ST131) and D (ST69, ST405, ST393). <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2014, 33, 1391-1399.	1.3	48
5	Differentiation of <i>Bacillus pumilus</i> and <i>Bacillus safensis</i> Using MALDI-TOF-MS. <i>PLoS ONE</i> , 2014, 9, e110127.	1.1	44
6	Diverse high-risk B2 and D <i>Escherichia coli</i> clones depicted by Fourier Transform Infrared Spectroscopy. <i>Scientific Reports</i> , 2013, 3, 3278.	1.6	39
7	Development of a FTIR-ATR based model for typing clinically relevant <i>Acinetobacter baumannii</i> clones belonging to ST98, ST103, ST208 and ST218. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 133, 108-114.	1.7	39
8	Energetics of Coumarin and Chromone. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11216-11221.	1.2	38
9	Unsuitability of MALDI-TOF MS to discriminate <i>Acinetobacter baumannii</i> clones under routine experimental conditions. <i>Frontiers in Microbiology</i> , 2015, 6, 481.	1.5	35
10	<i>Escherichia coli</i> and <i>Salmonella Enteritidis</i> dual-species biofilms: interspecies interactions and antibiofilm efficacy of phages. <i>Scientific Reports</i> , 2019, 9, 18183.	1.6	34
11	A review on the application of vibrational spectroscopy to the chemistry of nuts. <i>Food Chemistry</i> , 2019, 277, 713-724.	4.2	34
12	A Front Line on <i>Klebsiella pneumoniae</i> Capsular Polysaccharide Knowledge: Fourier Transform Infrared Spectroscopy as an Accurate and Fast Typing Tool. <i>MSystems</i> , 2020, 5, .	1.7	32
13	Discrimination of non-typhoid <i>Salmonella</i> serogroups and serotypes by Fourier Transform Infrared Spectroscopy: A comprehensive analysis. <i>International Journal of Food Microbiology</i> , 2018, 285, 34-41.	2.1	28
14	Identification of carbapenem-resistant <i>Acinetobacter baumannii</i> clones using infrared spectroscopy. <i>Journal of Biophotonics</i> , 2014, 7, 287-294.	1.1	26
15	Experimental and computational thermochemistry of the isomers: Chromanone, 3-isochromanone, and dihydrocoumarin. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 308-314.	1.0	25
16	Serotype discrimination of encapsulated <i>Streptococcus pneumoniae</i> strains by Fourier-transform infrared spectroscopy and chemometrics. <i>Journal of Microbiological Methods</i> , 2013, 93, 102-107.	0.7	21
17	<i>Bacillus invictae</i> sp. nov., isolated from a health product. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3867-3876.	0.8	20
18	Discrimination of the <i>Acinetobacter calcoaceticus</i> - <i>Acinetobacter baumannii</i> complex species by Fourier transform infrared spectroscopy. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2014, 33, 1345-1353.	1.3	18

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19	Near-infrared spectroscopy for the detection and quantification of bacterial contaminations in pharmaceutical products. <i>International Journal of Pharmaceutics</i> , 2015, 492, 199-206.	2.6	18
20	Elucidating constraints for differentiation of major human <i>Klebsiella pneumoniae</i> clones using MALDI-TOF MS. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2017, 36, 379-386.	1.3	18
21	Thermodynamic study of sesamol, piperonyl alcohol, piperonylic acid and homopiperonylic acid: a combined experimental and theoretical investigation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 908.	1.5	17
22	Characterization of a new genetic environment associated with GES-6 carbapenemase from a <i>Pseudomonas aeruginosa</i> isolate belonging to the high-risk clone ST235. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 615-617.	1.3	17
23	Rapid detection of high-risk <i>Enterococcus faecium</i> clones by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 87, 299-307.	0.8	14
24	Antioxidant capacity of <i>Camellia japonica</i> cultivars assessed by near- and mid-infrared spectroscopy. <i>Planta</i> , 2019, 249, 1053-1062.	1.6	14
25	Energetics and stability of azulene: From experimental thermochemistry to high-level quantum chemical calculations. <i>Journal of Chemical Thermodynamics</i> , 2014, 73, 101-109.	1.0	12
26	Near-Infrared Spectroscopy Applied to the Detection of Multiple Adulterants in Roasted and Ground Arabica Coffee. <i>Foods</i> , 2022, 11, 61.	1.9	12
27	Water extracts of <i>Brassica oleracea</i> var. <i>costata</i> potentiate paraquat toxicity to rat hepatocytes in vitro. <i>Toxicology in Vitro</i> , 2009, 23, 1131-1138.	1.1	11
28	Energetics of the isomers: 3- and 4-hydroxycoumarin. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1372-1378.	1.0	11
29	Extending the reservoir of <i>IMP-5</i> : the emerging pathogen <i>Acinetobacter bereziniae</i> . <i>Future Microbiology</i> , 2015, 10, 1609-1613.	1.0	11
30	Experimental and Computational Thermochemistry of 1,3-Benzodioxole Derivatives. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 1089-1094.	1.0	10
31	Thermochemistry of chromone- and coumarin-3-carboxylic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 519-526.	2.0	10
32	<i>Citrus</i> species and hybrids depicted by near- and mid-infrared spectroscopy. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3953-3961.	1.7	10
33	Experimental and theoretical thermochemistry of $\hat{1}^2$ -tetralone. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1552-1557.	1.0	9
34	Experimental and Computational Thermochemistry of 1,4-Benzodioxan and its 6-R Derivatives. <i>Journal of Physical Chemistry A</i> , 2008, 112, 7961-7968.	1.1	9
35	Energetics of flavone and flavanone. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1408-1412.	1.0	9
36	Energetics of 2- and 3-coumaranone isomers: A combined calorimetric and computational study. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 210-216.	1.0	9

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37	Experimental and computational study of the energetics of methoxycoumarins. <i>Computational and Theoretical Chemistry</i> , 2010, 946, 13-19.	1.5	8
38	Calorimetric and computational study of 7-hydroxycoumarin. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1435-1440.	1.0	7
39	Discrimination of clinically relevant <i>Candida</i> species by Fourier-transform infrared spectroscopy with attenuated total reflectance (FTIR-ATR). <i>RSC Advances</i> , 2016, 6, 92065-92072.	1.7	7
40	Antioxidant Activity of Blueberry ( <i>Vaccinium</i> spp.) Cultivar Leaves: Differences Across the Vegetative Stage and the Application of Near Infrared Spectroscopy. <i>Molecules</i> , 2019, 24, 3900.	1.7	7
41	Energetics of naphthalene derivatives, IV+: a calorimetric and calculational thermochemical study of the isomeric naphthalenemethanols. <i>Molecular Physics</i> , 2007, 105, 1789-1796.	0.8	6
42	Thermochemical study of some methoxytetralones. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 69-73.	1.0	5
43	When theory and experiment hold hands: The thermochemistry of $\hat{1}^3$ -pyrone derivatives. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1159-1163.	1.0	5
44	Experimental and computational thermochemistry of 6,7-dihydro-4(5H)-benzofuranone. <i>Journal of Chemical Thermodynamics</i> , 2013, 56, 83-88.	1.0	5
45	Experimental and Computational Thermochemical Study of Maleic Anhydride and Vinylene Carbonate. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9474-9484.	1.1	5
46	Discrimination of <i>Camellia japonica</i> cultivars and chemometric models: An interlaboratory study. <i>Computers and Electronics in Agriculture</i> , 2019, 159, 28-33.	3.7	5
47	Energetics of Hydroxytetralones: A Calorimetric and Computational Thermochemical Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 2189-2194.	1.0	4
48	Differentiation of Taxonomically Closely Related Species of the Genus <i>Acinetobacter</i> Using Raman Spectroscopy and Chemometrics. <i>Molecules</i> , 2019, 24, 168.	1.7	4
49	Experimental and computational thermochemistry of 1,4-benzodioxan and its 2-R derivatives. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1485-1489.	1.0	3
50	Reprint of: Energetics of 2- and 3-coumaranone isomers: A combined calorimetric and computational study. <i>Journal of Chemical Thermodynamics</i> , 2014, 73, 283-289.	1.0	3
51	Exploring non-hospital-related settings in Angola reveals new <i>Acinetobacter</i> reservoirs for blaOXA-23 and blaOXA-58. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 228-230.	1.1	3
52	Exploiting intrinsic fluorescence spectroscopy to discriminate between <i>Acinetobacter calcoaceticus</i> and <i>Acinetobacter baumannii</i> complex species. <i>RSC Advances</i> , 2017, 7, 8581-8588.	1.7	3
53	Hyperspectral Analysis for Plant Characterization and Discrimination. <i>Comprehensive Analytical Chemistry</i> , 2018, , 281-289.	0.7	1
54	Introduction and New Trends. <i>Comprehensive Analytical Chemistry</i> , 2018, 80, 1-13.	0.7	0