Elisabetta Giorgini

List of Publications by Year
in descending order

112 papers	3,719 citations	186265 28 h-index	149698 56 g-index
121 all docs	121 docs citations	121 times ranked	2986 citing authors

#	Article	IF	Citations
1	Plasticenta: First evidence of microplastics in human placenta. Environment International, 2021, 146, 106274.	10.0	1,225
2	Raman Microspectroscopy Detection and Characterisation of Microplastics in Human Breastmilk. Polymers, 2022, 14, 2700.	4.5	190
3	Effects of Graded Dietary Inclusion Level of Full-Fat Hermetia illucens Prepupae Meal in Practical Diets for Rainbow Trout (Oncorhynchus mykiss). Animals, 2019, 9, 251.	2.3	91
4	Probiotics Can Induce Follicle Maturational Competence: The Danio rerioCase1. Biology of Reproduction, 2012, 86, 65.	2.7	71
5	The Influence of Probiotics on Zebrafish Danio Rerio Innate Immunity and Hepatic Stress. Zebrafish, 2014, 11, 98-106.	1.1	66
6	A six-months study on Black Soldier Fly (Hermetia illucens) based diets in zebrafish. Scientific Reports, 2019, 9, 8598.	3.3	65
7	Dietary administration of EDC mixtures: A focus on fish lipid metabolism. Aquatic Toxicology, 2017, 185, 95-104.	4.0	63
8	Effects of Lactobacillus rhamnosus on zebrafish oocyte maturation: an FTIR imaging and biochemical analysis. Analytical and Bioanalytical Chemistry, 2010, 398, 3063-3072.	3.7	60
9	Black Soldier Fly (Hermetia illucens) reared on roasted coffee by-product and Schizochytrium sp. as a sustainable terrestrial ingredient for aquafeeds production. Aquaculture, 2020, 518, 734659.	3.5	60
10	Fatty acids profile of black soldier fly (Hermetia illucens): Influence of feeding substrate based on coffee-waste silverskin enriched with microalgae. Animal Feed Science and Technology, 2020, 259, 114309.	2.2	59
11	Effects of diethylene glycol dibenzoate and Bisphenol A on the lipid metabolism of Danio rerio. Science of the Total Environment, 2018, 636, 641-655.	8.0	58
12	Lyotropic Liquid-Crystalline Nanosystems as Drug Delivery Agents for 5-Fluorouracil: Structure and Cytotoxicity. Langmuir, 2017, 33, 12369-12378.	3.5	56
13	Microimaging FT-IR spectroscopy on pathological breast tissues. Vibrational Spectroscopy, 2009, 51, 270-275.	2.2	55
14	Insect meal based diets for clownfish: Biometric, histological, spectroscopic, biochemical and molecular implications. Aquaculture, 2019, 498, 1-11.	3.5	55
15	Rearing Zebrafish on Black Soldier Fly (Hermetia illucens): Biometric, Histological, Spectroscopic, Biochemical, and Molecular Implications. Zebrafish, 2018, 15, 404-419.	1.1	53
16	Zebrafish (Danio rerio) physiological and behavioural responses to insect-based diets: a multidisciplinary approach. Scientific Reports, 2020, 10, 10648.	3.3	52
17	Hermetia illucens and Poultry by-Product Meals as Alternatives to Plant Protein Sources in Gilthead Seabream (Sparus aurata) Diet: A Multidisciplinary Study on Fish Gut Status. Animals, 2021, 11, 677.	2.3	52
18	Physiological response of rainbow trout (Oncorhynchus mykiss) to graded levels of Hermetia illucens or poultry by-product meals as single or combined substitute ingredients to dietary plant proteins. Aquaculture, 2021, 538, 736550.	3.5	52

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19	Infrared spectroscopy as a new tool for studying single living cells: Is there a niche?. Biomedical Spectroscopy and Imaging, 2017, 6, 85-99.	1.2	48
20	Reactions of (tertiary phosphine)gold(I) substituted imidazoles or pyrazolones with acidic reagents: protonation, zole displacement, and adduct formation. Crystal structure determination of the adduct 1-methyl-2-(cyclohexylphosphinegoldthiolato)imidazole Â· 2benzimidazole. Journal of Organometallic Chemistry, 1988, 344, 119-135.	1.8	47
21	FT-IR microimaging spectroscopy: A comparison between healthy and neoplastic human colon tissues. Journal of Molecular Structure, 2008, 881, 46-51.	3.6	41
22	The influence of diet on the early development of two seahorse species (H. guttulatus and H. reidi): Traditional and innovative approaches. Aquaculture, 2018, 490, 75-90.	3.5	41
23	Investigation of human pancreatic cancer tissues by Fourier Transform Infrared Hyperspectral Imaging. Journal of Biophotonics, 2020, 13, e201960071.	2.3	39
24	Melatonin and Peripheral Circuitries: Insights on Appetite and Metabolism in Danio Rerio. Zebrafish, 2013, 10, 275-282.	1.1	34
25	In vitroFTIR microspectroscopy analysis of primary oral squamous carcinoma cells treated with cisplatin and 5-fluorouracil: a new spectroscopic approach for studying the drugâ€“cell interaction. Analyst, The, 2018, 143, 3317-3326.	3.5	32
26	Vibrational characterization of granulosa cells from patients affected by unilateral ovarian endometriosis: New insights from infrared and Raman microspectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 212, 206-214.	3.9	32
27	New insights on the macromolecular building of rainbow trout (O. mykiss) intestine: FTIR Imaging and histological correlative study. Aquaculture, 2018, 497, 1-9.	3.5	31
28	Nitrogen and chlorophyll status determination in durum wheat as influenced by fertilization and soil management: Preliminary results. PLoS ONE, 2019, 14, e0225126.	2.5	29
29	Potential Impact of Microplastics and Additives on the Health Status of Loggerhead Turtles (Caretta) Tj ETQq1 1 0.784314 rgBT /Over	2.4	29
30	Microimaging FTIR of head and neck tumors. IV. Microscopy Research and Technique, 2009, 72, 67-75.	2.2	28
31	FTIR microspectroscopy of melanocytic skin lesions: a preliminary study. Analyst, The, 2010, 135, 3213.	3.5	28
32	FT-IR Microspectroscopy on molecular building of Zebrafish oocytes. Journal of Molecular Structure, 2009, 938, 207-213.	3.6	26
33	Vibrational mapping of sinonasal lesions by Fourier transform infrared imaging spectroscopy. Journal of Biomedical Optics, 2015, 20, 125003.	2.6	26
34	Melatonin-mediated effects on killifish reproductive axis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 172, 31-38.	1.8	25
35	A mixed-valence diruthenium(ii,iii) complex endowed with high stability: from experimental evidence to theoretical interpretation. Dalton Transactions, 2020, 49, 14520-14527.	3.3	25
36	Physiological responses of Siberian sturgeon (Acipenser baerii) juveniles fed on full-fat insect-based diet in an aquaponic system. Scientific Reports, 2021, 11, 1057.	3.3	25

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37	Histological and microscopy FT-IR imaging study on the proliferative activity and angiogenesis in head and neck tumours. Faraday Discussions, 2004, 126, 19.	3.2	23
38	Application of laboratory methods for understanding fish responses to black soldier fly (Hermetia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.9	23
39	A new approach to evaluate aging effects on human oocytes: Fourier transform infrared imaging spectroscopy study. Fertility and Sterility, 2014, 101, 120-127.	1.0	22
40	Exploiting fourier transform infrared and Raman microspectroscopies on cancer stem cells from oral squamous cells carcinoma: new evidence of acquired cisplatin chemoresistance. Analyst, The, 2020, 145, 8038-8049.	3.5	22
41	FT-IR study of two [2-oxo-pyrrolidin-4-yl]carboxylate diastereomers in different solvent systems. Journal of Molecular Structure, 1999, 480-481, 379-385.	3.6	20
42	Spectroscopic and mechanical properties of dental resin composites cured with different light sources. Journal of Molecular Structure, 2005, 744-747, 641-646.	3.6	20
43	FT-IR microscopy imaging on oral cavity tumours, II. Journal of Molecular Structure, 2005, 744-747, 187-193.	3.6	20
44	FT-IR microscopic analysis on human dental pulp stem cells. Vibrational Spectroscopy, 2011, 57, 30-30.	2.2	20
45	Microimaging FT-IR of oral cavity tumours. Part III: Cells, inoculated tissues and human tissues. Journal of Molecular Structure, 2007, 834-836, 86-94.	3.6	19
46	Adsorption of indium by waste biomass of brown alga Ascophyllum nodosum. Scientific Reports, 2019, 9, 16763.	3.3	19
47	Melatonin control of oogenesis and metabolic resources in Zebrafish. Journal of Applied Ichthyology, 2010, 26, 826-830.	0.7	18
48	Infrared microspectroscopy of Oral Squamous Cell Carcinoma: Spectral signatures of cancer grading. Vibrational Spectroscopy, 2013, 68, 196-203.	2.2	18
49	FTIR microspectroscopic characterization of Spitz nevi. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 99-103.	3.9	18
50	Knockout of the Glucocorticoid Receptor Impairs Reproduction in Female Zebrafish. International Journal of Molecular Sciences, 2020, 21, 9073.	4.1	18
51	Cytotoxic Effects of 5-Azacytidine on Primary Tumour Cells and Cancer Stem Cells from Oral Squamous Cell Carcinoma: An In Vitro FTIRM Analysis. Cells, 2021, 10, 2127.	4.1	18
52	Complexes of azobisindoles with Ï€-organic acceptors. Journal of Chemical Crystallography, 1995, 25, 683-691.	1.1	17
53	Melatonin effects on Fundulus heteroclitus reproduction. Reproduction, Fertility and Development, 2012, 24, 794.	0.4	17
54	Does the molecular and metabolic profile of human granulosa cells correlate with oocyte fate? New insights by Fourier transform infrared microspectroscopy analysis. Molecular Human Reproduction, 2018, 24, 521-532.	2.8	15

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55	Dietary diisononylphthalate contamination induces hepatic stress: a multidisciplinary investigation in gilthead seabream (Sparus aurata) liver. Archives of Toxicology, 2019, 93, 2361-2373.	4.2	15
56	Effects of a cationic surfactant incorporation in phytantriol bulk cubic phases and dispersions loaded with the anticancer drug 5-fluorouracil. Journal of Molecular Liquids, 2019, 286, 110954.	4.9	15
57	Self-Assembled Liposome-DNA-Metal Complexes Related to DNA Delivery. Molecular Crystals and Liquid Crystals, 2005, 434, 315/[643]-323/[651].	0.9	14
58	The role of melatonin on zebrafish follicle development: An FT-IR imaging approach. Vibrational Spectroscopy, 2012, 62, 279-285.	2.2	14
59	Insights on diagnosis of oral cavity pathologies by infrared spectroscopy: A review. Journal of Molecular Structure, 2013, 1051, 226-232.	3.6	14
60	Diets contaminated with Bisphenol A and Di-isononyl phtalate modify skeletal muscle composition: A new target for environmental pollutant action. Science of the Total Environment, 2019, 658, 250-259.	8.0	14
61	Gold(I) derivatives of heterocycles. Inorganica Chimica Acta, 1987, 137, 81-85.	2.4	13
62	The reaction of 1,1,2,2-ethenetetracarbonitrile (TCNE) with aminopyridines: Salts and charge transfer complex formation. Spectrochimica Acta Part A: Molecular Spectroscopy, 1989, 45, 519-523.	0.1	13
63	Fourier transform infrared spectrometry investigation of solvent effect on NH and CO stretching modes in N-acylaminopyridines. Vibrational Spectroscopy, 1996, 12, 249-255.	2.2	13
64	The Impact of Controlled Ovarian Stimulation Hormones on the Metabolic State and Endocannabinoid System of Human Cumulus Cells. International Journal of Molecular Sciences, 2020, 21, 7124.	4.1	13
65	Conventional feed additives or red claw crayfish meal and dried microbial biomass as feed supplement in fish meal-free diets for rainbow trout (Oncorhynchus mykiss): Possible ameliorative effects on growth and gut health status. Aquaculture, 2022, 554, 738137.	3.5	13
66	Can Insect-Based Diets Affect Zebrafish (Danio rerio) Reproduction? A Multidisciplinary Study. Zebrafish, 2020, 17, 287-304.	1.1	12
67	Fourier Transform Infrared Imaging analysis of dental pulp inflammatory diseases. Oral Diseases, 2017, 23, 484-491.	3.0	11
68	Setting of a precision farming robotic laboratory for cropping system sustainability and food safety and security: preliminary results. IOP Conference Series: Earth and Environmental Science, 2019, 275, 012021.	0.3	11
69	Vibrational Imaging Techniques for the Characterization of Hard Dental Tissues: From Bench-Top to Chair-Side. Applied Sciences (Switzerland), 2021, 11, 11953.	2.5	11
70	Altered type I collagen networking in osteoporotic human femoral head revealed by histomorphometric and Fourier transform infrared imaging correlated analyses. BioFactors, 2022, 48, 1089-1110.	5.4	11
71	Acid catalyzed rearrangements in the arylimino indoline series. PartIV. Reactions of 1,2-dihydro-2-phenyl-2-(indol-3-yl-derivatives)-3-phenylimino-3H-indole with trichloroacetic and hydrochloric acids. Crystal structure of 1,2-dihydro-2-phenyl-2-(indol-3-yl)-3-phenylimino-3H-indole. Journal of Heterocyclic Chemistry, 1992, 29, 1349-1355.	2.6	10
72	Nucleophilic attack on the nitrone tautomeric form of 1-hydroxy-2-phenylindole. Tetrahedron, 1998, 54, 5305-5314.	1.9	10

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73	Vibrational characterization of female gametes: a comparative study. Analyst, The, 2014, 139, 5049-5060.	3.5	10
74	Macromolecular Characterization of Swordfish Oocytes by FTIR Imaging Spectroscopy. Scientific Reports, 2019, 9, 8850.	3.3	10
75	Hyperspectral characterization of the MSTO-211H cell spheroid model: A FPAâ€“FTIR imaging approach. Clinical Spectroscopy, 2021, 3, 100011.	1.3	10
76	Uterine leiomyoma as useful model to unveil morphometric and macromolecular collagen state and impairment in fibrotic diseases: An ex-vivo human study. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166494.	3.8	10
77	FT-IR of unsaturated Î²-amino acids in different solvents systems. Journal of Molecular Structure, 2003, 651-653, 245-252.	3.6	9
78	Molecular complexes of hydrazonesâ€”VIII. Nitrofluorenes and arylhydrazones. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 389-396.	0.1	8
79	Competition between nucleophilic addition and electron-transfer process in the reaction of 9-diazo-10-anthrone with grignard reagents. Tetrahedron, 1996, 52, 6795-6802.	1.9	8
80	Zebrafish caudal fin as a model to investigate the role of probiotics in bone regeneration. Scientific Reports, 2022, 12, 8057.	3.3	8
81	FT-IR of trichloroacetoimidates in different solvent systems. Journal of Molecular Structure, 2005, 744-747, 417-423.	3.6	7
82	Synchrotron Characterization of Hexagonal and Cubic Lipidic Phases Loaded with Azolate/Phosphane Gold(I) Compounds: A New Approach to the Uploading of Gold(I)-Based Drugs. Nanomaterials, 2020, 10, 1851.	4.1	7
83	Cubic and Hexagonal Mesophases for Protein Encapsulation: Structural Effects of Insulin Confinement. Langmuir, 2021, 37, 10166-10176.	3.5	7
84	Molecular complexes. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 665-666.	0.1	6
85	A vibrational in vitro approach to evaluate the potential of monoolein nanoparticles as isofuranodiene carrier in MDA-MB 231 breast cancer cell line: New insights from Infrared and Raman microspectroscopies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 269, 120735.	3.9	6
86	Infrared microscopy characterisation of carotid plaques and thyroid tissue biopsies. Journal of Molecular Structure, 2003, 651-653, 419-426.	3.6	5
87	A comparison of techniques for studying oogenesis in the European eel Anguilla anguilla. Journal of Fish Biology, 2016, 89, 2055-2069.	1.6	5
88	Molecular interactions between arylazopyridines and N-hydroxyindoles. Monatshefte FÃ¼r Chemie, 1990, 121, 165-171.	1.8	4
89	Molecular complexes of hydrazides with copper(II). Monatshefte FÃ¼r Chemie, 1992, 123, 231-236.	1.8	4
90	Molecular associations between indolizines and tetracyanoethylene. Journal of Heterocyclic Chemistry, 1994, 31, 1115-1119.	2.6	4

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91	Evaluation of human oocytes ageing by focal plane array (FPA) fourier transform infrared (FT-IR) imaging spectroscopy. Fertility and Sterility, 2011, 96, S238-S239.	1.0	4
92	A Spectroscopic Approach to Evaluate the Effects of Different Soil Tillage Methods and Nitrogen Fertilization Levels on the Biochemical Composition of Durum Wheat (Triticum turgidum subsp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.0	4
93	METHYLATION OF BIDENTATE NITROGEN-CONTAINING HETEROCYCLES WITH METHYL IODIDE AND POTASSIUM HYDROXIDE IN DIMETHYL SULFOXIDE. Organic Preparations and Procedures International, 1989, 21, 751-756.	1.3	3
94	Fourier transform infrared spectroscopy characterisation of carotid plaques. II. Journal of Molecular Structure, 1999, 482-483, 469-474.	3.6	3
95	Microimaging FT-IR of Head and Neck Tumours. The case of salivary glands. Head & Neck Oncology, 2009, 1, .	2.3	3
96	Molecular associations of hydrazones with nitroaromatic acceptorsâ€”IX. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 1783-1785.	0.1	2
97	Molecular associations of [2.2]paracyclophanearylhydrazones with organic acceptors, VIII. Monatshefte FÃ¼r Chemie, 1992, 123, 73-80.	1.8	2
98	Microimaging FT-IR of head and neck tumors. V. Odontogenic cystic lesions. Vibrational Spectroscopy, 2011, , .	2.2	2
99	Electron-Donor-Acceptor (EDA) Complexes Of Aromatic Hydrocarbons With Organic Acceptors In Solution And In The Solid State. A Quantitative FT-IR Investigation.. Proceedings of SPIE, 1989, , .	0.8	1
100	Crystal structure of the complex between 7,7,8,8-tetracyanoquinodimethane and 1-oxide-2-phenyl-quinoline. Journal of Crystallographic and Spectroscopic Research, 1990, 20, 419-423.	0.2	1
101	Fourier transform infrared spectroscopy: complexes of aromatic amines with organic acceptors. Part III. Vibrational Spectroscopy, 1991, 1, 347-351.	2.2	1
102	Molecular associations of hydrazones. X. Dihydrazones as twin-site donors. Journal of Crystallographic and Spectroscopic Research, 1992, 22, 443-447.	0.2	1
103	Molecular associations by Fourier transform infrared spectrometry. Part IV. Complexes of indoles with Ï€*-organic acceptors. Vibrational Spectroscopy, 1992, 3, 67-71.	2.2	1
104	Micro-FTIR imaging spectroscopy of calcified atheromatous carotid plaques. Part IV. Journal of Molecular Structure, 2009, 922, 58-63.	3.6	1
105	Could the unilateral ovarian endometriosis affectÂthe contralateral ovary? new insights from Fourier Transform infrared (FTIR) spectroscopy. Fertility and Sterility, 2015, 104, e158.	1.0	1
106	Endocannabinoid system modulation in women affected by unilateral endometrioma. Fertility and Sterility, 2015, 104, e68-e69.	1.0	1
107	Synthesis, Structural Insights and Activity of Different Classes of Biomolecules. , 2020, , 463-482.		1
108	Evaluation of Controlled Ovarian Stimulation Protocols in Patients with Normal and Low Ovarian Reserve: Analyses of miRNAs and Selected Target Genes Involved in the Proliferation of Human Cumulus Cells and Oocyte Quality. International Journal of Molecular Sciences, 2022, 23, 1713.	4.1	1

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109	Molecular associations of hydrazones of heterocyclic systems. XI. Journal of Heterocyclic Chemistry, 1992, 29, 1331-1336.	2.6	0
110	FT-IR study on solvent effects in building blocks of bioactive compounds. V. Journal of Molecular Structure, 2006, 790, 89-93.	3.6	0
111	Human granulosa cells in vitro exposure to bisphenol a: FTIR microspectroscopy and molecular evidences. Fertility and Sterility, 2015, 104, e141.	1.0	0
112	Automatic Classification of Human Granulosa Cells in Assisted Reproductive Technology using vibrational spectroscopy imaging. , 2021, , .		0