

# Valentina Notarstefano

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,360  
citations

361045

20  
h-index

253896

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1801  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticenta: First evidence of microplastics in human placenta. <i>Environment International</i> , 2021, 146, 106274.	4.8	1,225
2	Raman Microspectroscopy Detection and Characterisation of Microplastics in Human Breastmilk. <i>Polymers</i> , 2022, 14, 2700.	2.0	190
3	Dietary administration of EDC mixtures: A focus on fish lipid metabolism. <i>Aquatic Toxicology</i> , 2017, 185, 95-104.	1.9	63
4	Effects of <i>Lactobacillus rhamnosus</i> on zebrafish oocyte maturation: an FTIR imaging and biochemical analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3063-3072.	1.9	60
5	Effects of diethylene glycol dibenzoate and Bisphenol A on the lipid metabolism of <i>Danio rerio</i> . <i>Science of the Total Environment</i> , 2018, 636, 641-655.	3.9	58
6	Rearing Zebrafish on Black Soldier Fly ( <i>Hermetia illucens</i> ): Biometric, Histological, Spectroscopic, Biochemical, and Molecular Implications. <i>Zebrafish</i> , 2018, 15, 404-419.	0.5	53
7	Zebrafish ( <i>Danio rerio</i> ) physiological and behavioural responses to insect-based diets: a multidisciplinary approach. <i>Scientific Reports</i> , 2020, 10, 10648.	1.6	52
8	Effects of diisononyl phthalate on <i>Danio rerio</i> reproduction. <i>Environmental Pollution</i> , 2017, 231, 1051-1062.	3.7	48
9	Investigation of human pancreatic cancer tissues by Fourier Transform Infrared Hyperspectral Imaging. <i>Journal of Biophotonics</i> , 2020, 13, e201960071.	1.1	39
10	<i>In vitro</i> FTIR microspectroscopy analysis of primary oral squamous carcinoma cells treated with cisplatin and 5-fluorouracil: a new spectroscopic approach for studying the drug-cell interaction. <i>Analyst, The</i> , 2018, 143, 3317-3326.	1.7	32
11	Vibrational characterization of granulosa cells from patients affected by unilateral ovarian endometriosis: New insights from infrared and Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 206-214.	2.0	32
12	Potential Impact of Microplastics and Additives on the Health Status of Loggerhead Turtles ( <i>Caretta</i> )	1.1	29
13	FTIR microspectroscopy of melanocytic skin lesions: a preliminary study. <i>Analyst, The</i> , 2010, 135, 3213.	1.7	28
14	FT-IR Microspectroscopy on molecular building of Zebrafish oocytes. <i>Journal of Molecular Structure</i> , 2009, 938, 207-213.	1.8	26
15	Vibrational mapping of sinonasal lesions by Fourier transform infrared imaging spectroscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 125003.	1.4	26
16	A mixed-valence diruthenium(ii,iii) complex endowed with high stability: from experimental evidence to theoretical interpretation. <i>Dalton Transactions</i> , 2020, 49, 14520-14527.	1.6	25
17	ATR-FTIR, EDS and SEM evaluations of enamel structure after treatment with hydrogen peroxide bleaching agents loaded with nano-hydroxyapatite particles. <i>PeerJ</i> , 2021, 9, e10606.	0.9	25
18	Physiological responses of Siberian sturgeon ( <i>Acipenser baerii</i> ) juveniles fed on full-fat insect-based diet in an aquaponic system. <i>Scientific Reports</i> , 2021, 11, 1057.	1.6	25

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19	A new approach to evaluate aging effects on human oocytes: Fourier transform infrared imaging spectroscopy study. <i>Fertility and Sterility</i> , 2014, 101, 120-127.	0.5	22
20	Exploiting fourier transform infrared and Raman microspectroscopies on cancer stem cells from oral squamous cells carcinoma: new evidence of acquired cisplatin chemoresistance. <i>Analyst</i> , The, 2020, 145, 8038-8049.	1.7	22
21	New insights from Raman MicroSpectroscopy and Scanning Electron Microscopy on the microstructure and chemical composition of vestibular and lingual surfaces in permanent and deciduous human teeth. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119966.	2.0	21
22	Infrared microspectroscopy of Oral Squamous Cell Carcinoma: Spectral signatures of cancer grading. <i>Vibrational Spectroscopy</i> , 2013, 68, 196-203.	1.2	18
23	FTIR microspectroscopic characterization of Spitz nevi. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 99-103.	2.0	18
24	Knockout of the Glucocorticoid Receptor Impairs Reproduction in Female Zebrafish. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9073.	1.8	18
25	Cytotoxic Effects of 5-Azacytidine on Primary Tumour Cells and Cancer Stem Cells from Oral Squamous Cell Carcinoma: An In Vitro FTIRM Analysis. <i>Cells</i> , 2021, 10, 2127.	1.8	18
26	Encapsulation of a Neutral Molecule into a Cationic Clay Material: Structural Insight and Cytotoxicity of Resveratrol/Layered Double Hydroxide/BSA Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 33.	1.9	16
27	Does the molecular and metabolic profile of human granulosa cells correlate with oocyte fate? New insights by Fourier transform infrared microspectroscopy analysis. <i>Molecular Human Reproduction</i> , 2018, 24, 521-532.	1.3	15
28	The role of melatonin on zebrafish follicle development: An FT-IR imaging approach. <i>Vibrational Spectroscopy</i> , 2012, 62, 279-285.	1.2	14
29	Insights on diagnosis of oral cavity pathologies by infrared spectroscopy: A review. <i>Journal of Molecular Structure</i> , 2013, 1051, 226-232.	1.8	14
30	Breeders Age Affects Reproductive Success in <i>Nothobranchius furzeri</i> . <i>Zebrafish</i> , 2018, 15, 546-557.	0.5	13
31	The Impact of Controlled Ovarian Stimulation Hormones on the Metabolic State and Endocannabinoid System of Human Cumulus Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7124.	1.8	13
32	Can Insect-Based Diets Affect Zebrafish ( <i>Danio rerio</i> ) Reproduction? A Multidisciplinary Study. <i>Zebrafish</i> , 2020, 17, 287-304.	0.5	12
33	Vibrational Imaging Techniques for the Characterization of Hard Dental Tissues: From Bench-Top to Chair-Side. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11953.	1.3	11
34	Altered type I collagen networking in osteoporotic human femoral head revealed by histomorphometric and Fourier transform infrared imaging correlated analyses. <i>BioFactors</i> , 2022, 48, 1089-1110.	2.6	11
35	Hyperspectral characterization of the MSTO-211H cell spheroid model: A FTIR imaging approach. <i>Clinical Spectroscopy</i> , 2021, 3, 100011.	0.6	10
36	Uterine leiomyoma as useful model to unveil morphometric and macromolecular collagen state and impairment in fibrotic diseases: An ex-vivo human study. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166494.	1.8	10

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37	Peculiarity of Porcine Amniotic Membrane and Its Derived Cells: A Contribution to the Study of Cell Therapy from a Large Animal Model. <i>Cellular Reprogramming</i> , 2015, 17, 472-483.	0.5	9
38	ATR-FTIR Analysis of Orthodontic Invisalign® Aligners Subjected to Various In Vitro Aging Treatments. <i>Materials</i> , 2021, 14, 818.	1.3	9
39	How Can Different Polishing Timing Influence Methacrylate and Dimethacrylate Bulk Fill Composites? Evaluation of Chemical and Physical Properties. <i>BioMed Research International</i> , 2020, 2020, 1-8.	0.9	8
40	An integrated approach to evaluate port sediment quality: From chemical characterization to multispecies bioassays. <i>Science of the Total Environment</i> , 2020, 746, 141204.	3.9	7
41	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120735.	2.0	6
42	Comparison of two curing protocols during adhesive cementation: can the step luting technique supersede the traditional one?. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 433-439.	0.9	4
43	A Spectroscopic Approach to Evaluate the Effects of Different Soil Tillage Methods and Nitrogen Fertilization Levels on the Biochemical Composition of Durum Wheat ( <i>Triticum turgidum</i> subsp.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i>		
44	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. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1713.	1.8	1
45	Automatic Classification of Human Granulosa Cells in Assisted Reproductive Technology using vibrational spectroscopy imaging. , 2021, , .		0
46	50 Years of Chemistry in the Engineering Faculty: From Free Radicals to Nanosystems. , 2019, , 195-206.		0