

# Feride Severcan

## List of Publications by Year in descending order

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145  
papers

4,869  
citations

94415

37  
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114455

63  
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148  
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148  
docs citations

148  
times ranked

4822  
citing authors

#	ARTICLE	IF	CITATIONS
1	FTIR spectroscopic characterization of protein structure in aqueous and non-aqueous media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 7, 207-221.	1.8	415
2	17 $\beta$ -Estradiol induced compositional, structural and functional changes in rainbow trout liver, revealed by FT-IR spectroscopy: A comparative study with nonylphenol. <i>Aquatic Toxicology</i> , 2006, 77, 53-63.	4.0	213
3	Differentiation of Anatolian honey samples from different botanical origins by ATR-FTIR spectroscopy using multivariate analysis. <i>Food Chemistry</i> , 2015, 170, 234-240.	8.2	154
4	Melatonin strongly interacts with zwitterionic model membranes—evidence from Fourier transform infrared spectroscopy and differential scanning calorimetry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1668, 215-222.	2.6	145
5	FTIR spectroscopic characterization of irradiated hazelnut ( <i>Corylus avellana</i> L.). <i>Food Chemistry</i> , 2007, 100, 1106-1114.	8.2	143
6	Rapid monitoring of diabetes-induced lipid peroxidation by Fourier transform infrared spectroscopy: Evidence from rat liver microsomal membranes. <i>Analytical Biochemistry</i> , 2005, 339, 36-40.	2.4	115
7	Amifostine, a radioprotectant agent, protects rat brain tissue lipids against ionizing radiation induced damage: An FTIR microspectroscopic imaging study. <i>Archives of Biochemistry and Biophysics</i> , 2012, 520, 67-73.	3.0	101
8	Co-doping of hydroxyapatite with zinc and fluoride improves mechanical and biological properties of hydroxyapatite. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 340-349.	4.4	101
9	Early alterations in myocardia and vessels of the diabetic rat heart: an FTIR microspectroscopic study. <i>Biochemical Journal</i> , 2006, 397, 427-436.	3.7	96
10	Characterization of microRNA-125b expression in MCF7 breast cancer cells by ATR-FTIR spectroscopy. <i>Analyst</i> , The, 2010, 135, 3094.	3.5	95
11	Effects of lipoic acid supplementation on rat brain tissue: An FTIR spectroscopic and neural network study. <i>Food Chemistry</i> , 2007, 105, 1281-1288.	8.2	89
12	Celecoxib-loaded liposomes: effect of cholesterol on encapsulation and <i>in vitro</i> release characteristics. <i>Bioscience Reports</i> , 2010, 30, 365-373.	2.4	89
13	FT-IR Spectroscopic Analysis of Rainbow Trout Liver Exposed to Nonylphenol. <i>Applied Spectroscopy</i> , 2003, 57, 835-841.	2.2	86
14	Effect of progesterone on DPPC membrane: Evidence for lateral phase separation and inverse action in lipid dynamics. <i>Archives of Biochemistry and Biophysics</i> , 2005, 440, 141-147.	3.0	86
15	Use of Fourier transform infrared spectroscopy for rapid comparative analysis of <i>Bacillus</i> and <i>Micrococcus</i> isolates. <i>Food Chemistry</i> , 2009, 113, 1301-1307.	8.2	83
16	Chronic hypoperfusion alters the content and structure of proteins and lipids of rat brain homogenates: a Fourier transform infrared spectroscopy study. <i>European Biophysics Journal</i> , 2004, 33, 549-554.	2.2	76
17	Screening of Protective Effect of Amifostine on Radiation-Induced Structural and Functional Variations in Rat Liver Microsomal Membranes by FT-IR Spectroscopy. <i>Analytical Chemistry</i> , 2011, 83, 2438-2444.	6.5	73
18	Characterization by Fourier transform infrared spectroscopy of hydroxyapatite co-doped with zinc and fluoride. <i>Ceramics International</i> , 2013, 39, 7727-7733.	4.8	73

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19	The Characterization and Differentiation of Higher Plants by Fourier Transform Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 300-308.	2.2	72
20	Effect of thermal treatment on secondary structure and conformational change of mushroom polyphenol oxidase (PPO) as food quality related enzyme: A FTIR study. <i>Food Chemistry</i> , 2015, 187, 263-269.	8.2	70
21	FTIR spectroscopy in diagnosis of diabetes in rat animal model. <i>Journal of Biophotonics</i> , 2010, 3, 621-631.	2.3	68
22	Diabetes induces compositional, structural and functional alterations on rat skeletal soleus muscle revealed by FTIR spectroscopy: a comparative study with EDL muscle. <i>Analyst, The</i> , 2010, 135, 3110.	3.5	68
23	Fourier transform infrared study of the effect of diabetes on rat liver and heart tissues in the C_H region. <i>Talanta</i> , 2000, 53, 55-59.	5.5	66
24	Competitive effect of vitamin D <sub>2</sub> and Ca <sup>2+</sup> on phospholipid model membranes: an FTIR study. <i>Chemistry and Physics of Lipids</i> , 2003, 123, 165-176.	3.2	61
25	FTIR study of biodegradable biopolymers: P(3HB), P(3HB-co-4HB) and P(3HB-co-3HV). <i>Journal of Molecular Structure</i> , 2005, 744-747, 529-534.	3.6	59
26	Relapsing-Remitting Multiple Sclerosis diagnosis from cerebrospinal fluids via Fourier transform infrared spectroscopy coupled with multivariate analysis. <i>Scientific Reports</i> , 2018, 8, 1025.	3.3	59
27	Structural and functional characterization of simvastatin-induced myotoxicity in different skeletal muscles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 406-415.	2.4	58
28	Differentiation of Mesophilic and Thermophilic Bacteria with Fourier Transform Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 186-192.	2.2	57
29	Secondary structure and conformational change of mushroom polyphenol oxidase during therosonication treatment by using FTIR spectroscopy. <i>Food Chemistry</i> , 2017, 214, 507-514.	8.2	53
30	Vitamin E Decreases the Order of the Phospholipid Model Membranes in the Gel Phase: An FTIR Study. <i>Bioscience Reports</i> , 1997, 17, 231-235.	2.4	48
31	Using artificially generated spectral data to improve protein secondary structure prediction from Fourier transform infrared spectra of proteins. <i>Analytical Biochemistry</i> , 2004, 332, 238-244.	2.4	45
32	Determination of simvastatin-induced changes in bone composition and structure by Fourier transform infrared spectroscopy in rat animal model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 580-588.	2.8	44
33	Interactions of tamoxifen with distearoyl phosphatidylcholine multilamellar vesicles: FTIR and DSC studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 250-256.	3.9	43
34	Phylogeny of cultivated and wild wheat species using ATR-FTIR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 757-763.	3.9	42
35	Tamoxifen Increases Membrane Fluidity at High Concentrations. <i>Bioscience Reports</i> , 2000, 20, 177-184.	2.4	40
36	FTIR imaging of structural changes in visceral and subcutaneous adiposity and brown to white adipocyte transdifferentiation. <i>Analyst, The</i> , 2015, 140, 2205-2214.	3.5	40

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37	Evaluation of Disseminated Candidiasis on an Experimental Animal Model: A Fourier Transform Infrared Study. <i>Applied Spectroscopy</i> , 2007, 61, 199-203.	2.2	39
38	Rapid classification of heavy metal-exposed freshwater bacteria by infrared spectroscopy coupled with chemometrics using supervised method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 282-290.	3.9	38
39	Low dose simvastatin induces compositional, structural and dynamic changes in rat skeletal extensor digitorum longus muscle tissue. <i>Bioscience Reports</i> , 2010, 30, 41-50.	2.4	37
40	Vitamin D2 at high and low concentrations exert opposing effects on molecular order and dynamics of dipalmitoyl phosphatidylcholine membranes. <i>Spectroscopy</i> , 2001, 15, 47-55.	0.8	36
41	Role of Vibrational Spectroscopy in Stem Cell Research. <i>Spectroscopy</i> , 2012, 27, 167-184.	0.8	36
42	Impacts of salinity and fish-exuded kairomone on the survival and macromolecular profile of <i>Daphnia pulex</i> . <i>Ecotoxicology</i> , 2012, 21, 601-614.	2.4	36
43	FTIR spectroscopy offers hints towards widespread molecular changes in cobalt-acclimated freshwater bacteria. <i>Aquatic Toxicology</i> , 2014, 155, 15-23.	4.0	35
44	Effect of stereotactic radiosurgery on lipids and proteins of normal and hypoperfused rat brain homogenates: A Fourier transform infrared spectroscopy study. <i>International Journal of Radiation Biology</i> , 2005, 81, 911-918.	1.8	34
45	Epileptic seizures induce structural and functional alterations on brain tissue membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 3088-3096.	2.6	33
46	Selenium alters the lipid content and protein profile of rat heart: An FTIR microspectroscopic study. <i>Archives of Biochemistry and Biophysics</i> , 2007, 458, 184-193.	3.0	32
47	Melatonin affects the order, dynamics and hydration of brain membrane lipids. <i>Journal of Molecular Structure</i> , 2007, 834-836, 207-215.	3.6	32
48	Structural alterations in rat liver proteins due to streptozotocin-induced diabetes and the recovery effect of selenium: Fourier transform infrared microspectroscopy and neural network study. <i>Journal of Biomedical Optics</i> , 2012, 17, 0760231.	2.6	31
49	Bladder cancer diagnosis from bladder wash by Fourier transform infrared spectroscopy as a novel test for tumor recurrence. <i>Journal of Biophotonics</i> , 2016, 9, 967-975.	2.3	31
50	Fourier transform infrared spectroscopy suggests unfolding of loop structures precedes complete unfolding of pig citrate synthase. <i>Biopolymers</i> , 2003, 69, 440-447.	2.4	30
51	Estimation of protein secondary structure from FTIR spectra using neural networks. <i>Journal of Molecular Structure</i> , 2001, 565-566, 383-387.	3.6	29
52	Concentration Dependent Different Action of Tamoxifen on Membrane Fluidity. <i>Bioscience Reports</i> , 2007, 27, 247-255.	2.4	29
53	Effects of in-Office and at-Home Bleaching on Human Enamel and Dentin: An <i>in vitro</i> Application of Fourier Transform Infrared Study. <i>Applied Spectroscopy</i> , 2008, 62, 1274-1279.	2.2	29
54	Celecoxib reduces fluidity and decreases metastatic potential of colon cancer cell lines irrespective of COX-2 expression. <i>Bioscience Reports</i> , 2012, 32, 35-44.	2.4	29

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55	Acyl chain length and charge effect on Tamoxifenâ€™lipid model membrane interactions. Journal of Molecular Structure, 2013, 1040, 75-82.	3.6	29
56	A spin label ESR and saturation transfer ESR study of $\alpha$ -tocopherol containing model membranes. Chemistry and Physics of Lipids, 1990, 53, 17-26.	3.2	27
57	Interaction between vitamin D2 and magnesium in liposomes: Differential scanning calorimetry and FTIR spectroscopy studies. Journal of Molecular Structure, 2007, 839, 19-27.	3.6	27
58	Evaluation and discrimination of simvastatin-induced structural alterations in proteins of different rat tissues by FTIR spectroscopy and neural network analysis. Analyst, The, 2010, 135, 3233.	3.5	27
59	Quick Discrimination of Heavy Metal Resistant Bacterial Populations Using Infrared Spectroscopy Coupled with Chemometrics. Analytical Chemistry, 2015, 87, 9653-9661.	6.5	27
60	Structural and functional damages of whole body ionizing radiation on rat brain homogenate membranes and protective effect of amifostine. International Journal of Radiation Biology, 2016, 92, 837-848.	1.8	27
61	Restoring effect of selenium on the molecular content, structure and fluidity of diabetic rat kidney brush border cell membrane. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 845-854.	2.6	27
62	Interaction of the cholesterol reducing agent simvastatin with zwitterionic DPPC and charged DPPG phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 810-818.	2.6	27
63	Investigation of Compositional, Structural, and Dynamical Changes of Pentylentetrazol-Induced Seizures on a Rat Brain by FT-IR Spectroscopy. Analytical Chemistry, 2014, 86, 1395-1403.	6.5	26
64	IR and turbidity studies of vitamin E-cholesterol-phospholipid membrane interactions. Bioscience Reports, 1995, 15, 221-229.	2.4	25
65	A biomechanical and spectroscopic study of bone from rats with selenium deficiency and toxicity. BioMetals, 2000, 13, 113-121.	4.1	23
66	Fourier Transform Infrared Spectroscopic Studies of Diabetic Rat Heart Crude Membranes. Spectroscopy, 2003, 17, 569-577.	0.8	23
67	Bone Marrow Mesenchymal Stem Cells in Patients with Beta Thalassemia Major: Molecular Analysis with Attenuated Total Reflection-Fourier Transform Infrared Spectroscopy Study as a Novel Method. Stem Cells and Development, 2012, 21, 2000-2011.	2.1	23
68	Agomelatine strongly interacts with zwitterionic DPPC and charged DPPG membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2798-2806.	2.6	22
69	Ionizing Radiation Induces Structural and Functional Damage on the Molecules of Rat Brain Homogenate Membranes: A Fourier Transform Infrared (FT-IR) Spectroscopic Study. Applied Spectroscopy, 2015, 69, 154-164.	2.2	22
70	Aspects of silver tolerance in bacteria: infrared spectral changes and epigenetic clues. Journal of Biophotonics, 2018, 11, e201700252.	2.3	22
71	Diagnosis of malignant pleural mesothelioma from pleural fluid by Fourier transform-infrared spectroscopy coupled with chemometrics. Journal of Biomedical Optics, 2018, 23, 1.	2.6	21
72	Oestrogen-phospholipid membrane interactions: an FTIR study. Journal of Molecular Structure, 1997, 408-409, 269-272.	3.6	20

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73	Melatonin induces opposite effects on order and dynamics of anionic DPPG model membranes. <i>Journal of Molecular Structure</i> , 2007, 834-836, 195-201.	3.6	20
74	Triglyceride dependent differentiation of obesity in adipose tissues by FTIR spectroscopy coupled with chemometrics. <i>Journal of Biophotonics</i> , 2017, 10, 1345-1355.	2.3	20
75	Methylation, sugar puckering and Z-form status of DNA from a heavy metal-acclimated freshwater <i>Gordonia</i> sp.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 198, 111580.	3.8	20
76	Molecular characterization of acutely and gradually heavy metal acclimated aquatic bacteria by FTIR spectroscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800301.	2.3	20
77	Infrared Spectroscopic Studies on the Dipalmitoyl Phosphatidylcholine Bilayer Interactions with Calcium Phosphate: Effect of Vitamin D <sub>2</sub> . <i>Spectroscopy</i> , 2002, 16, 399-408.	0.8	19
78	Early Alterations in Bone Characteristics of Type I Diabetic Rat Femur: A Fourier Transform Infrared (FT-IR) Imaging Study. <i>Applied Spectroscopy</i> , 2016, 70, 2005-2015.	2.2	19
79	The Effects of Short-Term Chronic Ethanol Intoxication and Ethanol Withdrawal on the Molecular Composition of the Rat Hippocampus by FT-IR Spectroscopy. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 2050-2062.	2.4	18
80	The effects of chronic hypoperfusion on rat cranial bone mineral and organic matrix. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 433-438.	3.7	17
81	Molecular approach to the chemical characterization of fish-exuded kairomone: a Fourier transform infrared spectroscopic study. <i>Aquatic Sciences</i> , 2010, 72, 71-83.	1.5	17
82	Concentration-Based Measurement Studies of L-Tryptophan Using Terahertz Time-Domain Spectroscopy (THz-TDS). <i>Applied Spectroscopy</i> , 2014, 68, 95-100.	2.2	17
83	Tamoxifen-model membrane interactions: an FT-IR study. <i>Journal of Molecular Structure</i> , 1997, 408-409, 265-268.	3.6	16
84	FTIR Spectroscopic Investigation of Mineral Structure of Streptozotocin Induced Diabetic Rat Femur and Tibia. <i>Spectroscopy</i> , 2003, 17, 627-633.	0.8	16
85	Investigation of neurodegenerative diseases from body fluid samples using Fourier transform infrared spectroscopy. <i>Biomedical Spectroscopy and Imaging</i> , 2015, 4, 341-357.	1.2	16
86	Differentiation of Chronic and Aggressive Periodontitis by FTIR Spectroscopy. <i>Journal of Dental Research</i> , 2016, 95, 1472-1478.	5.2	16
87	Valdecoxib Recovers the Lipid Composition, Order and Dynamics in Colon Cancer Cell Lines Independent of COX-2 Expression: An ATR-FTIR Spectroscopy Study. <i>Applied Spectroscopy</i> , 2017, 71, 105-117.	2.2	16
88	Application of turbidity technique on peptide-lipid and drug-lipid interactions. <i>Journal of Molecular Structure</i> , 1999, 482-483, 693-697.	3.6	15
89	Vitamin D2 modulates melittin- $\alpha$ membrane interactions. <i>Talanta</i> , 2000, 53, 205-211.	5.5	15
90	The effects of radioprotectant and potential antioxidant agent amifostine on the structure and dynamics of DPPC and DPPG liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1240-1251.	2.6	15

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91	CoronaVac (Sinovac) COVID-19 vaccine-induced molecular changes in healthy human serum by infrared spectroscopy coupled with chemometrics. <i>Turkish Journal of Biology</i> , 2021, 45, 549-558.	0.8	15
92	Effects of selenium supplementation on rat heart apex and right ventricle myocardia by using FTIR spectroscopy: A cluster analysis and neural network approach. <i>Food Chemistry</i> , 2008, 110, 590-597.	8.2	14
93	Epileptic seizure-induced structural and functional changes in rat femur and tibia bone tissues: a Fourier transform infrared imaging study. <i>Journal of Biomedical Optics</i> , 2013, 18, 111409.	2.6	14
94	Concentration-dependent effect of melatonin on DSPC membrane. <i>Journal of Molecular Structure</i> , 2013, 1052, 183-188.	3.6	14
95	Discrimination of heavy metal acclimated environmental strains by chemometric analysis of FTIR spectra. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110953.	6.0	14
96	The effect of diabetes mellitus on rat skeletal extensor digitorum longus muscle tissue: An FTIR study. <i>Spectroscopy</i> , 2007, 21, 151-160.	0.8	13
97	Concentration-dependent differing actions of the nonsteroidal anti-inflammatory drug, celecoxib, in distearoyl phosphatidylcholine multilamellar vesicles. <i>Journal of Liposome Research</i> , 2010, 20, 168-177.	3.3	13
98	FTIR studies of temperature influence on the DPPG model membrane. <i>Journal of Molecular Structure</i> , 2008, 887, 117-121.	3.6	12
99	Convulsant agent pentylenetetrazol does not alter the structural and dynamical properties of dipalmitoylphosphatidylcholine model membranes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 379-386.	2.8	12
100	Lipid Profiles of Adipose and Muscle Tissues in Mouse Models of Juvenile Onset of Obesity without High Fat Diet Induction: A Fourier Transform Infrared (FT-IR) Spectroscopic Study. <i>Applied Spectroscopy</i> , 2015, 69, 679-688.	2.2	12
101	Structural effects of simvastatin on rat liver tissue: Fourier transform infrared and Raman microspectroscopic studies. <i>Journal of Biomedical Optics</i> , 2016, 21, 025008.	2.6	12
102	Side-Effects of Convulsive Seizures and Anti-Seizure Therapy on Bone in a Rat Model of Epilepsy. <i>Applied Spectroscopy</i> , 2018, 72, 689-705.	2.2	11
103	Standardless PIXE analysis of thick biomineral structures. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 825-41.	3.7	10
104	Biomolecular changes and subsequent time-dependent recovery in hippocampal tissue after experimental mild traumatic brain injury. <i>Scientific Reports</i> , 2021, 11, 12468.	3.3	10
105	Structural investigation of donor age effect on human bone marrow mesenchymal stem cells: FTIR spectroscopy and imaging. <i>Age</i> , 2014, 36, 9691.	3.0	9
106	Infrared Spectroscopy and Imaging in Stem Cells and Aging Research. <i>Methods in Molecular Biology</i> , 2018, 2045, 201-215.	0.9	9
107	Development of biotechnology education in Turkey. <i>Biochemical Education</i> , 2000, 28, 36-38.	0.1	8
108	The effect of magnesium ions on vitamin D2-phospholipid model membrane interactions in the presence of different buffer media. <i>Talanta</i> , 2000, 53, 23-27.	5.5	8

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109	Thermodynamics study of gramicidin S and dipalmitoylphosphatidylcholine model membrane interactions based on the FTIR spectroscopy. <i>Journal of Molecular Structure</i> , 2001, 565-566, 281-285.	3.6	8
110	Progress in vibrational spectroscopy in diagnosis and screening. <i>Biomedical Spectroscopy and Imaging</i> , 2013, 2, 73-81.	1.2	7
111	Vitamin A deficiency induces structural and functional alterations in the molecular constituents of the rat hippocampus. <i>British Journal of Nutrition</i> , 2015, 113, 45-55.	2.3	7
112	Model membrane partition ESR study in the presence of $\alpha$ -tocopherol by a new spin probe. <i>Bioscience Reports</i> , 1989, 9, 489-495.	2.4	6
113	Characterization and Differentiation of Adipose Tissue by Spectroscopic and Spectral Imaging Techniques. , 0, , .		6
114	Investigation of diabetes-induced effect on apex of rat heart myocardium by using cluster analysis and neural network approach: An FTIR study. <i>Spectroscopy</i> , 2007, 21, 269-278.	0.8	5
115	Concentration dependent different action of progesterone on the order, dynamics and hydration states of the head group of dipalmitoyl-phosphatidylcholine membrane. <i>Spectroscopy</i> , 2005, 19, 213-219.	0.8	4
116	Effects of the non-steroidal anti-inflammatory drug celecoxib on cholesterol containing distearoyl phosphatidylcholine membranes. <i>Spectroscopy</i> , 2011, 25, 177-185.	0.8	4
117	Monitoring radiation induced alterations in biological systems, from molecules to tissues, through infrared spectroscopy. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 839-863.	6.7	4
118	Biophysical and microbiological study of high hydrostatic pressure inactivation of Bovine Viral Diarrheavirus type 1 on serum. <i>Veterinary Microbiology</i> , 2012, 154, 266-271.	1.9	3
119	Monitoring of tryptophan as a biomarker for cancerous cells in Terahertz (THz) sensing. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
120	Novel approaches for COVID-19 diagnosis and treatment: a nonsystematic review. <i>Turkish Journal of Biology</i> , 2021, 45, 358-371.	0.8	3
121	Temperature Dependence of the Phospholipids Bilayers Stability, Studied by FTIR Spectroscopy. <i>Revista De Chimie (discontinued)</i> , 2008, 59, 356-359.	0.4	3
122	Effect of Gramicidin S on the Dipalmitoylphosphatidyl-glycerol Thermotropic Phase Transition in DPPG/GS Systems: A Mathematical Approach. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 457, 27-41.	0.9	2
123	Dose-Dependent Differentiation of Gamma-Irradiated Hazelnut Samples by Mid-Infrared Spectroscopy Coupled with Chemometrics. <i>Journal of Spectroscopy</i> , 2020, 2020, 1-9.	1.3	2
124	Fourier Transform Infrared Imagingâ€”A Novel Approach to Monitor Bio Molecular Changes in Subacute Mild Traumatic Brain Injury. <i>Brain Sciences</i> , 2021, 11, 918.	2.3	2
125	FTIR SPECTROSCOPIC ANALYSIS OF THE STRUCTURE AND STABILITY OF PIG CITRATE SYNTHASE. <i>Biochemical Society Transactions</i> , 1996, 24, 299S-299S.	3.4	1
126	FTIR STUDIES OF VITAMIN D2- MODEL MEMBRANE INTERACTIONS. <i>Biochemical Society Transactions</i> , 1997, 25, 449S-449S.	3.4	1



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127	TURBIDITY STUDIES OF THE EFFECT OF DIVALENT CATIONS ON TAMOXIFEN-MODEL MEMBRANE INTERACTIONS. <i>Biochemical Society Transactions</i> , 1997, 25, 493S-493S.	3.4	1
128	Investigation of the fluidity of biological fluids with a PDDTBN spin probe. <i>Journal of Molecular Structure</i> , 1997, 408-409, 279-281.	3.6	1
129	Evaluation of high hydrostatic pressure effects on bovine red blood cells and platelets. <i>High Pressure Research</i> , 2009, 29, 358-368.	1.2	1
130	Applications of Infrared Spectroscopy and Microscopy in Diagnosis of Obesity. , 2019, , .		1
131	Vitamin E Derivative with Modified Side Chain Induced Apoptosis by Modulating the Cellular Lipids and Membrane Dynamics in MCF7 Cells. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 271-287.	1.8	1
132	Structural characterization of recombinant bovine Go<i>Î±</i> by spectroscopy and homology modeling. <i>Spectroscopy</i> , 2011, 26, 213-229.	0.8	1
133	FTIR spectroscopic imaging of mesenchymal stem cells in beta thalassemia major disease state. <i>Biomedical Spectroscopy and Imaging</i> , 2012, 1, 67-78.	1.2	1
134	The structural effects of Vitamin A deficiency on biological macromolecules due to ethanol consumption and withdrawal: An <scp>FTIR</scp> study with chemometrics. <i>Journal of Biophotonics</i> , 2022, , e202100377.	2.3	1
135	ESR STUDIES OF PIG CITRATE SYNTHASE. <i>Biochemical Society Transactions</i> , 1997, 25, 380S-380S.	3.4	0
136	68 Vitamin D-Melittin-Phospholipid Model Membrane Interactions. <i>Biochemical Society Transactions</i> , 1998, 26, S359-S359.	3.4	0
137	Spectroscopy of biological nanocrystals. <i>Spectroscopy</i> , 2007, 21, 31-41.	0.8	0
138	Amifostine, a Radioprotectant Agent, Protects Rat Hepatic Microsomal Membranes Against Ionizing Radiation Induced Damage. <i>Biophysical Journal</i> , 2009, 96, 353a.	0.5	0
139	Epileptic Seizures-Induced Structural Changes in Rat Spine Bone Tissues: FTIR Microspectroscopic and Chemometric Study. <i>Biophysical Journal</i> , 2013, 104, 231a.	0.5	0
140	Application of FTIR Imaging on Healthy (Donor Age Effect) and Disease (Beta Thalassemia Major) States. <i>Biophysical Journal</i> , 2013, 104, 338a-339a.	0.5	0
141	Investigation of Gender Effect on Obesity using a Model of Inbred Obese Mouse Lines by Fourier Transform Infrared Imaging. <i>Biophysical Journal</i> , 2015, 108, 626a.	0.5	0
142	P3.03-052 Diagnostic Utility of Mesothelin, Osteopontin and Megakaryocyte Potentiation Factor in Turkish Patients with Malignant Mesothelioma. <i>Journal of Thoracic Oncology</i> , 2017, 12, S1377-S1378.	1.1	0
143	Infrared Spectroscopy Offers Tremendous Potential in Cancer Diagnosis. <i>Biophysical Journal</i> , 2019, 116, 568a.	0.5	0
144	Investigation of the Structural Effects of Radiotherapy Dose Rate on Rat Lung Tissue: An FTIR Imaging Study. <i>Biophysical Journal</i> , 2019, 116, 565a-566a.	0.5	0

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145	Bacterial Biofilms in Bioremediation of Metal-Contaminated Aquatic Environments. Environmental Chemistry for A Sustainable World, 2020, , 117-135.	0.5	0