

The importance of hydration and DNA conformation in cells and tissues

Chemical Society Reviews

45, 1980-1998

DOI: [10.1039/c5cs00511f](https://doi.org/10.1039/c5cs00511f)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Using Fourier transform infrared spectroscopy to evaluate biological effects induced by photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 538-545.	1.1	7
3	Structural response of genomic DNA from grapevine (<i>Vitis vinifera</i> L.) varieties to microwaves irradiation: A Fourier transform infrared spectroscopy assessment. <i>Biomedical Spectroscopy and Imaging</i> , 2016, 5, 295-312.	1.2	2
4	Assessment of growth phases of the diatom <i>Ditylum brightwellii</i> by FT-IR and Raman spectroscopy. <i>Algal Research</i> , 2016, 19, 246-252.	2.4	25
5	Contribution of Ribonucleic Acid (RNA) to the Fourier Transform Infrared (FTIR) Spectrum of Eukaryotic Cells. <i>Analytical Chemistry</i> , 2016, 88, 12090-12098.	3.2	51
6	Dicationic Surfactants with Glycine Counter Ions for Oligonucleotide Transportation. <i>ChemPhysChem</i> , 2016, 17, 2424-2433.	1.0	6
7	Spectrally resolved infrared microscopy and chemometric tools to reveal the interaction between blue light (470nm) and methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 150-157.	1.7	39
8	Monitoring the biochemical alterations in hypertension affected salivary gland tissues using Fourier transform infrared hyperspectral imaging. <i>Analyst, The</i> , 2017, 142, 1269-1275.	1.7	6
9	A photoelectrochemical biosensor for determination of DNA based on flower rod-like zinc oxide heterostructures. <i>Mikrochimica Acta</i> , 2017, 184, 2541-2549.	2.5	22
10	Simultaneous ATR-FTIR Based Determination of Malaria Parasitemia, Glucose and Urea in Whole Blood Dried onto a Glass Slide. <i>Analytical Chemistry</i> , 2017, 89, 5238-5245.	3.2	87
11	A spectroscopic investigation into the binding of novel platinum(IV) and platinum(II) anticancer drugs with DNA. <i>Vibrational Spectroscopy</i> , 2017, 92, 82-95.	1.2	10
12	Probing the action of a novel anti-leukaemic drug therapy at the single cell level using modern vibrational spectroscopy techniques. <i>Scientific Reports</i> , 2017, 7, 2649.	1.6	28
13	The effect of common anticoagulants in detection and quantification of malaria parasitemia in human red blood cells by ATR-FTIR spectroscopy. <i>Analyst, The</i> , 2017, 142, 1192-1199.	1.7	38
14	Structural feature of calf thymus deoxyribonucleic acid-ruthenium(III) interaction in aqueous solution by difference Fourier transformed infrared spectroscopy. <i>Spectroscopy Letters</i> , 2017, 50, 426-431.	0.5	2
15	Cationic lipid binding control in DNA based biopolymer and its impacts on optical and thermo-optic properties of thin solid films. <i>Optical Materials Express</i> , 2017, 7, 3796.	1.6	12
16	FT-IR Spectroscopy Study in Early Diagnosis of Skin Cancer. <i>In Vivo</i> , 2017, 31, 1131-1137.	0.6	21
17	Parasites under the Spotlight: Applications of Vibrational Spectroscopy to Malaria Research. <i>Chemical Reviews</i> , 2018, 118, 5330-5358.	23.0	40
18	Deciphering the biochemical similarities and differences among mouse embryonic stem cells, somatic and cancer cells using ATR-FTIR spectroscopy. <i>Analyst, The</i> , 2018, 143, 1624-1634.	1.7	22
19	Mid-IR hyperspectral imaging for label-free histopathology and cytology. <i>Journal of Optics (United Kingdom)</i> 19, 074001 (2017). doi:10.1093/optsopt/otw074	1.0	76

#	ARTICLE	IF	CITATIONS
20	Multispectral Atomic Force Microscopy-Infrared Nano-Imaging of Malaria Infected Red Blood Cells. <i>Analytical Chemistry</i> , 2018, 90, 3140-3148.	3.2	79
21	Near-field infrared nanospectroscopy and super-resolution fluorescence microscopy enable complementary nanoscale analyses of lymphocyte nuclei. <i>Analyst, The</i> , 2018, 143, 5926-5934.	1.7	6
22	The Application of ATR-FTIR Spectroscopy and the Reversible DNA Conformation as a Sensor to Test the Effectiveness of Platinum(II) Anticancer Drugs. <i>Sensors</i> , 2018, 18, 4297.	2.1	11
23	Noninvasive glucose monitoring using mid-infrared absorption spectroscopy based on a few wavenumbers. <i>Biomedical Optics Express</i> , 2018, 9, 289.	1.5	83
24	Fluorescent ZnO@Au Nanocomposite as a Probe for Elucidating Specificity in DNA Interaction. <i>ACS Omega</i> , 2018, 3, 7494-7507.	1.6	23
25	Cobweb-inspired DNA-based membranes for multicomponent pollutant-oil-water emulsions separation. <i>Chemical Engineering Journal</i> , 2018, 348, 870-876.	6.6	11
26	Increased optical pathlength through aqueous media for the infrared microanalysis of live cells. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5779-5789.	1.9	10
27	Probing structural changes in single enveloped virus particles using nano-infrared spectroscopic imaging. <i>PLoS ONE</i> , 2018, 13, e0199112.	1.1	31
28	Infrared nanospectroscopic mapping of a single metaphase chromosome. <i>Nucleic Acids Research</i> , 2019, 47, e108-e108.	6.5	19
29	Single Cell Imaging of Nuclear Architecture Changes. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 141.	1.8	20
30	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.	1.7	20
31	Live single cell analysis using synchrotron FTIR microspectroscopy: development of a simple dynamic flow system for prolonged sample viability. <i>Analyst, The</i> , 2019, 144, 997-1007.	1.7	20
32	Characterization of CD133 ⁺ /CD44 ⁺ human prostate cancer stem cells with ATR-FTIR spectroscopy. <i>Analyst, The</i> , 2019, 144, 2138-2149.	1.7	16
33	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
34	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. <i>Science Advances</i> , 2019, 5, eaaw2871.	4.7	294
35	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , 2019, 13, 609-615.	15.6	158
36	Environmental perspectives of interfacially active and magnetically recoverable composite materials – A review. <i>Science of the Total Environment</i> , 2019, 670, 523-538.	3.9	76
37	4-Cyanoindole-2-deoxyribonucleoside as a Dual Fluorescence and Infrared Probe of DNA Structure and Dynamics. <i>Molecules</i> , 2019, 24, 602.	1.7	7

#	ARTICLE	IF	CITATIONS
38	Long Time-Scale Atomistic Simulations of the Structure and Dynamics of Transcription Factor-DNA Recognition. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3576-3590.	1.2	21
39	Spectroscopy goes viral: Diagnosis of hepatitis B and C virus infection from human sera using ATR-FTIR spectroscopy. <i>Clinical Spectroscopy</i> , 2019, 1, 100001.	0.6	73
40	Detection of the Prostate Cancer Biomarker PCA3 with Electrochemical and Impedance-Based Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46645-46650.	4.0	65
41	Glycogen synthase kinase-3 inhibition in glioblastoma multiforme cells induces apoptosis, cell cycle arrest and changing biomolecular structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 150-164.	2.0	18
42	DNA structure change induced by guanosine radicals – A theoretical and spectroscopic study of proton radiation damage. <i>Journal of Molecular Structure</i> , 2019, 1178, 162-168.	1.8	3
43	Spectroscopic Analysis of Human Tracheal Tissue during Decellularization. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 160, 302-309.	1.1	6
44	Fourier transform infrared spectroscopy based spectral biomarkers of metastasized breast cancer progression. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 85-96.	2.0	40
45	Infrared microscopy in the study of cellular biochemistry. <i>Infrared Physics and Technology</i> , 2020, 105, 102779.	1.3	7
46	The effect of extracellular matrix on the differentiation of mouse embryonic stem cells. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 269-283.	1.2	4
47	Investigation of fractality and variation of fractal dimension in germinating seed. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	9
48	Toward Rapid Screening of Liver Grafts at the Operating Room Using Mid-infrared Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 14542-14549.	3.2	8
49	2- ² -methylklavuzon causes lipid-lowering effects on A549 non-small cell lung cancer cells and significant changes on DNA structure evidenced by fourier transform infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2020, 111, 103148.	1.2	0
50	Nanoscale Structural Characterization of Individual Viral Particles Using Atomic Force Microscopy Infrared Spectroscopy (AFM-IR) and Tip-Enhanced Raman Spectroscopy (TERS). <i>Analytical Chemistry</i> , 2020, 92, 11297-11304.	3.2	60
51	Synchrotron-based ultraviolet resonance Raman scattering for material science. , 2020, , 447-482.		11
52	Quality assessment of DNA and hemoglobin by Fourier transform infrared spectroscopy in occupational exposure to extremely low-frequency magnetic field. <i>Environmental Science and Pollution Research</i> , 2020, 27, 45374-45380.	2.7	2
53	Synchrotron FTIR spectromicroscopy as a tool for studying populations and individual living cells of green algae. <i>Analyst</i> , The, 2020, 145, 7993-8001.	1.7	2
54	Biophysical and Lipidomic Biomarkers of Cardiac Remodeling Post-Myocardial Infarction in Humans. <i>Biomolecules</i> , 2020, 10, 1471.	1.8	16
55	Multimodal vibrational studies of drug uptake in vitro: Is the whole greater than the sum of their parts?. <i>Journal of Biophotonics</i> , 2020, 13, e202000264.	1.1	5

#	ARTICLE	IF	CITATIONS
56	Robust DNA-Bridged Memristor for Textile Chips. <i>Angewandte Chemie</i> , 2020, 132, 12862-12868.	1.6	0
57	Observation of Ethanol-Induced Condensation and Decondensation Processes at a Single-DNA Molecular Level in Microfluidic Devices Equipped with a Rapid Solution Exchange System. <i>Analytical Chemistry</i> , 2020, 92, 9132-9137.	3.2	3
58	Effect of Controlled Humidity and Tissue Hydration on Colon Cancer Diagnostic via FTIR Spectroscopic Imaging. <i>Analytical Chemistry</i> , 2020, 92, 9691-9698.	3.2	11
59	Identifying the Responses from the Estrogen Receptor-Expressed MCF7 Cells Treated in Anticancer Drugs of Different Modes of Action Using Live-Cell FTIR Spectroscopy. <i>ACS Omega</i> , 2020, 5, 12698-12706.	1.6	10
60	Sodium and manganese salt DNA thin films: An infrared spectroscopy study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118646.	2.0	8
61	Assessment of Genetic Relationships between <i>Streptocarpus x hybridus</i> V. Parents and F1 Progenies Using SRAP Markers and FT-IR Spectroscopy. <i>Plants</i> , 2020, 9, 160.	1.6	5
62	A simple and rapid colorimetric detection of serum lncRNA biomarkers for diagnosis of pancreatic cancer. <i>RSC Advances</i> , 2020, 10, 8087-8092.	1.7	14
63	Tuning the thermal diffusivity of the seed matter for enhanced biosynthesis: a thermal lens study. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	3
64	A New Look into the Mode of Action of Metal-Based Anticancer Drugs. <i>Molecules</i> , 2020, 25, 246.	1.7	17
65	Intracellular water as a mediator of anticancer drug action. <i>International Reviews in Physical Chemistry</i> , 2020, 39, 67-81.	0.9	13
66	Molecular Spectroscopic Markers of DNA Damage. <i>Molecules</i> , 2020, 25, 561.	1.7	29
67	Robust DNA-Bridged Memristor for Textile Chips. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12762-12768.	7.2	40
68	Influence of the Sample Preparation Method in Discriminating <i>Candida</i> spp. Using ATR-FTIR Spectroscopy. <i>Molecules</i> , 2020, 25, 1551.	1.7	13
69	Identification of <i>Salmonella</i> Serovars before and after Ultraviolet Light Irradiation by Fourier Transform Infrared (FT-IR) Spectroscopy and Chemometrics. <i>Analytical Letters</i> , 2021, 54, 150-172.	1.0	2
70	Tapioca Starch Modulates Cellular Events in Oral Probiotic <i>Streptococcus salivarius</i> Strains. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 195-207.	1.9	8
71	Rapid detection of SARS-CoV-2 viral nucleic acids based on surface enhanced infrared absorption spectroscopy. <i>Nanoscale</i> , 2021, 13, 10133-10142.	2.8	25
72	Functional Nucleic Acid Hybrid Materials for Photovoltaic Cells: Design, Fabrication, and Performance. , 2021, , 67-93.		0
73	Analysis of Fixed and Live Single Cells Using Optical Photothermal Infrared with Concomitant Raman Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 3938-3950.	3.2	44

#	ARTICLE	IF	CITATIONS
74	Conformational Transitions of Double-Stranded DNA in Thin Films. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2360.	1.3	12
75	Infrared Nanospectroscopy Reveals DNA Structural Modifications upon Immobilization onto Clay Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1103.	1.9	14
76	Biophysical interaction between self-assembled branched DNA nanostructures with bovine serum albumin and bovine liver catalase. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 119-128.	3.6	13
77	Sodium Valproate-Induced Chromatin Remodeling. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 645518.	1.8	25
78	Highly Sensitive and Cost-Effective Portable Sensor for Early Gastric Carcinoma Diagnosis. <i>Sensors</i> , 2021, 21, 2639.	2.1	7
79	A unified computational view of DNA duplex, triplex, quadruplex and their donor-acceptor interactions. <i>Nucleic Acids Research</i> , 2021, 49, 4919-4933.	6.5	10
80	Surface-Enhanced Raman Scattering (SERS) Spectroscopy for Sensing and Characterization of Exosomes in Cancer Diagnosis. <i>Cancers</i> , 2021, 13, 2179.	1.7	49
81	Disposable Coverslip for Rapid Throughput Screening of Malaria Using Attenuated Total Reflection Spectroscopy. <i>Applied Spectroscopy</i> , 2022, 76, 451-461.	1.2	5
82	Amplification-free Detection of Cytomegalovirus miRNA Using a Modification-free Surface Plasmon Resonance Biosensor. <i>Analytical Chemistry</i> , 2021, 93, 8002-8009.	3.2	25
83	Ne-22 Ion-Beam Radiation Damage to DNA: From Initial Free Radical Formation to Resulting DNA-Base Damage. <i>ACS Omega</i> , 2021, 6, 16600-16611.	1.6	5
84	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17102-17107.	7.2	42
85	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie</i> , 2021, 133, 17239-17244.	1.6	15
86	Multivariate Analysis as a Tool for Quantification of Conformational Transitions in DNA Thin Films. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5895.	1.3	1
87	Drying and temperature induced conformational changes of nucleic acids and stallion sperm chromatin in trehalose preservation formulations. <i>Scientific Reports</i> , 2021, 11, 14076.	1.6	4
88	Probing the Hydrogen-Bonding Environment of Individual Bases in DNA Duplexes with Isotope-Edited Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7613-7627.	1.2	9
89	Electron ratcheting in self-assembled soft matter. <i>Journal of Chemical Physics</i> , 2021, 155, 055102.	1.2	2
90	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
91	A simple and fast spectroscopy-based technique for Covid-19 diagnosis. <i>Scientific Reports</i> , 2021, 11, 16740.	1.6	31

#	ARTICLE	IF	CITATIONS
92	Addressing Delicate and Variable Cancer Morphology in Spectral Histopathology Using Canine Visceral Hemangiosarcoma. <i>Analytical Chemistry</i> , 2021, 93, 12187-12194.	3.2	4
93	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.	2.1	15
94	ATR-FTIR spectroscopy for the routine quality control of exosome isolations. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 217, 104401.	1.8	11
95	Aptamer-based electrochemical biosensor for rapid detection of SARS-CoV-2: Nanoscale electrode-aptamer-SARS-CoV-2 imaging by photo-induced force microscopy. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113595.	5.3	95
96	Non-invasive blood glucose measurement using fixed-wavelength quantum cascade lasers. , 2019, , .		2
97	Discrimination of healthy and colorectal cancer patients using FTIR and PLS-DA. <i>Revista Jovens Pesquisadores</i> , 2019, 9, 115-130.	0.1	1
98	Calorimetry and FTIR reveal the ability of URG7 protein to modify the aggregation state of both cell lysate and amylogenic I±-synuclein. <i>AIMS Biophysics</i> , 2020, 7, 189-203.	0.3	5
99	Spectroscopic and electrochemical study of interactions between DNA and different salts of 1,4-dihydropyridine AV-153. <i>PeerJ</i> , 2020, 8, e10061.	0.9	5
100	Pulsed Electric Fields Induce Extracellular Matrix Remodeling through Matrix Metalloproteinases Activation and Decreased Collagen Production. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1326-1337.e9.	0.3	2
101	Long-range DNA-water interactions. <i>Biophysical Journal</i> , 2021, 120, 4966-4979.	0.2	7
104	Revealing DNA Structure at Liquid/Solid Interfaces by AFM-Based High-Resolution Imaging and Molecular Spectroscopy. <i>Molecules</i> , 2021, 26, 6476.	1.7	8
105	Dinuclear platinum(II) complexes as the pattern for phosphate backbone binding: a new perspective for recognition of binding modes to DNA. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 65-79.	1.1	1
106	Infrared-spectroscopic, dynamic near-field microscopy of living cells and nanoparticles in water. <i>Scientific Reports</i> , 2021, 11, 21860.	1.6	24
107	Spectroscopic Characterization of Mitochondrial G-Quadruplexes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 925.	1.8	0
108	Brain DNA damage analysis in pesticide exposed wistar albino rats (<i>Rattus norvegicus</i>): a chemometric approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, , 1-10.	2.0	0
109	Pathophysiological Response to SARS-CoV-2 Infection Detected by Infrared Spectroscopy Enables Rapid and Robust Saliva Screening for COVID-19. <i>Biomedicines</i> , 2022, 10, 351.	1.4	14
110	A star shaped acoustofluidic mixer enhances rapid malaria diagnostics <i>via</i> cell lysis and whole blood homogenisation in 2 seconds. <i>Lab on A Chip</i> , 2022, 22, 1829-1840.	3.1	7
111	Raman Research on Bleomycin-Induced DNA Strand Breaks and Repair Processes in Living Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3524.	1.8	10

#	ARTICLE	IF	CITATIONS
112	Fourier-Transform Infra-Red Microspectroscopy Can Accurately Diagnose Colitis and Assess Severity of Inflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2849.	1.8	1
113	Interaction of Prion Peptides with DNA Structures. <i>ACS Omega</i> , 2022, 7, 176-186.	1.6	1
119	Chiral Sum Frequency Generation Spectroscopy Detects Double-Helix DNA at Interfaces. <i>Langmuir</i> , 2022, 38, 5765-5778.	1.6	8
120	Evaluation of Proton-Induced Biomolecular Changes in MCF-10A Breast Cells by Means of FT-IR Microspectroscopy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5074.	1.3	0
121	Double-strand breaks quantification by statistical length analysis of DNA fragments imaged with AFM. Measurement: <i>Journal of the International Measurement Confederation</i> , 2022, 198, 111362.	2.5	2
122	Plasmonic hot spots reveal local conformational transitions induced by DNA double-strand breaks. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
123	Biophysical interaction between lanthanum chloride and (CG) _n or (GC) _n repeats: A reversible B-to-Z DNA transition. <i>International Journal of Biological Macromolecules</i> , 2022, 216, 698-709.	3.6	1
124	Optimization of tip-enhanced Raman spectroscopy for probing the chemical structure of DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121595.	2.0	2
125	Switchable inhibitory behavior of divalent magnesium ion in DNA hybridization-based gene quantification. <i>Analyst</i> , The, 0, , .	1.7	0
126	Methods of optical spectroscopy in detection of virus in infected samples: A review. <i>Heliyon</i> , 2022, 8, e10472.	1.4	5
127	Kinetic Coâ€œassembly Pathway Induced Chirality Inversion Along with Morphology Transition. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
128	Kinetic Coâ€œassembly Pathway Induced Chirality Inversion along with Morphology Transition. <i>Angewandte Chemie</i> , 0, , .	1.6	1
129	One-Drop Serum Screening Test for Anal Cancer in Men via Infrared Attenuated Total Reflection Spectroscopy. <i>Analytical Chemistry</i> , 2022, 94, 15250-15260.	3.2	0
130	Deciphering the Biochemical Similarities and Differences Among Human Neuroglial Cells and Glioma Cells Using Fourier Transform Infrared Spectroscopy. <i>World Neurosurgery</i> , 2022, 168, e562-e569.	0.7	2
131	X-rays induced alterations in mechanical and biochemical properties of isolated SH-SY5Y nuclei. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2023, 1867, 130291.	1.1	1
132	Cell Phase Identification in a Three-Dimensional Engineered Tumor Model by Infrared Spectroscopic Imaging. <i>Analytical Chemistry</i> , 2023, 95, 3349-3357.	3.2	0
133	Dinuclear complex-induced DNA melting. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	1
134	Variabilities in global DNA methylation and Î²-sheet richness establish spectroscopic landscapes among subtypes of pancreatic cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2023, 50, 1792-1810.	3.3	4

#	ARTICLE	IF	CITATIONS
135	Synchrotron-Infrared Microspectroscopy of Live <i>Leishmania major</i> Infected Macrophages and Isolated Promastigotes and Amastigotes. <i>Analytical Chemistry</i> , 2023, 95, 3986-3995.	3.2	1
136	Vibrational Absorption. , 2023, , 331-375.		0
137	Realizing Abundant Chirality Inversion of Supramolecular Nanohelices by Multiply Manipulating the Binding Sites in Molecular Blocks. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
138	Realizing Abundant Chirality Inversion of Supramolecular Nanohelices by Multiply Manipulating the Binding Sites in Molecular Blocks. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	4
150	Comparing the direct assessment of steatosis in liver explants with mid- and near-infrared vibrational spectroscopy, prior to organ transplantation. <i>Analyst, The</i> , 2023, 148, 3986-3991.	1.7	2
164	Photoinactivation of <i>Staphylococcus carnosus</i> on Surfaces by Irradiation with Blue and Violet Light. , 0, , .		0