Pavel Matousek

List of Publications by Year
in descending order

269 papers	13,085 citations	15466 65 h-index	32761 100 g-index
274 all docs	274 docs citations	274 times ranked	8112 citing authors

#	Article	IF	Citations
1	The prospects for ultrashort pulse duration and ultrahigh intensity using optical parametric chirped pulse amplifiers. Optics Communications, 1997, 144, 125-133.	1.0	566
2	Subsurface Probing in Diffusely Scattering Media Using Spatially Offset Raman Spectroscopy. Applied Spectroscopy, 2005, 59, 393-400.	1.2	469
3	Analysis and optimization of optical parametric chirped pulse amplification. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2945.	0.9	243
4	Ultrafast Measurements of Excited State Intramolecular Proton Transfer (ESIPT) in Room Temperature Solutions of 3-Hydroxyflavone and Derivatives. Journal of Physical Chemistry A, 2001, 105, 3709-3718.	1.1	229
5	Efficient Rejection of Fluorescence from Raman Spectra Using Picosecond Kerr Gating. Applied Spectroscopy, 1999, 53, 1485-1489.	1.2	220
6	Femtosecond time-resolved UV-visible absorption spectroscopy of trans-azobenzene: dependence on excitation wavelength. Chemical Physics Letters, 1998, 290, 68-74.	1.2	217
7	Noninvasive Raman Spectroscopy of Human Tissue in vivo. Applied Spectroscopy, 2006, 60, 758-763.	1.2	210
8	Observation of Excited-State Proton Transfer in Green Fluorescent Protein using Ultrafast Vibrational Spectroscopy. Journal of the American Chemical Society, 2005, 127, 2864-2865.	6.6	189
9	Numerical Simulations of Subsurface Probing in Diffusely Scattering Media Using Spatially Offset Raman Spectroscopy. Applied Spectroscopy, 2005, 59, 1485-1492.	1.2	189
10	Subsurface probing of calcifications with spatially offset Raman spectroscopy (SORS): future possibilities for the diagnosis of breast cancer. Analyst, The, 2007, 132, 899.	1.7	180
11	Noninvasive Authentication of Pharmaceutical Products through Packaging Using Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2007, 79, 1696-1701.	3.2	173
12	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. Applied Spectroscopy, 2010, 64, 1311-1319.	1.2	173
13	Surface enhanced spatially offset Raman spectroscopic (SESORS) imaging â€“ the next dimension. Chemical Science, 2011, 2, 776.	3.7	163
14	Deep non-invasive Raman spectroscopy of living tissue and powders. Chemical Society Reviews, 2007, 36, 1292.	18.7	159
15	Fluorescence suppression in resonance Raman spectroscopy using a high-performance picosecond Kerr gate. Journal of Raman Spectroscopy, 2001, 32, 983-988.	1.2	158
16	Inverse Spatially Offset Raman Spectroscopy for Deep Noninvasive Probing of Turbid Media. Applied Spectroscopy, 2006, 60, 1341-1347.	1.2	150
17	Advanced Transmission Raman Spectroscopy: A Promising Tool for Breast Disease Diagnosis. Cancer Research, 2008, 68, 4424-4430.	0.4	148
18	Development of a Broadband Picosecond Infrared Spectrometer and its Incorporation into an Existing Ultrafast Time-Resolved Resonance Raman, UV/Visible, and Fluorescence Spectroscopic Apparatus. Applied Spectroscopy, 2003, 57, 367-380.	1.2	147

#	Article	IF	Citations
19	Bulk Raman Analysis of Pharmaceutical Tablets. Applied Spectroscopy, 2006, 60, 1353-1357.	1.2	147
20	Noninvasive Detection of Concealed Liquid Explosives Using Raman Spectroscopy. Analytical Chemistry, 2007, 79, 8185-8189.	3.2	141
21	Development of deep subsurface Raman spectroscopy for medical diagnosis and disease monitoring. Chemical Society Reviews, 2016, 45, 1794-1802.	18.7	141
22	Recent advances in the development of Raman spectroscopy for deep nonâ€invasive medical diagnosis. Journal of Biophotonics, 2013, 6, 7-19.	1.1	140
23	Generation of terawatt pulses by use of optical parametric chirped pulse amplification. Applied Optics, 2000, 39, 2422.	2.1	138
24	35 J broadband femtosecond optical parametric chirped pulse amplification system. Optics Letters, 2006, 31, 3665.	1.7	131
25	Probing the Reactivity of Photoinitiators for Free Radical Polymerization:Â Time-Resolved Infrared Spectroscopic Study of Benzoyl Radicals. Journal of the American Chemical Society, 2002, 124, 14952-14958.	6.6	128
26	Prospects of Deep Raman Spectroscopy for Noninvasive Detection of Conjugated Surface Enhanced Resonance Raman Scattering Nanoparticles Buried within 25 mm of Mammalian Tissue. Analytical Chemistry, 2010, 82, 3969-3973.	3.2	121
27	Smart Gold Nanostructures for Light Mediated Cancer Theranostics: Combining Optical Diagnostics with Photothermal Therapy. Advanced Science, 2020, 7, 1903441.	5.6	117
28	Picosecond Time-Resolved Raman Spectroscopy of Solids: Capabilities and Limitations for Fluorescence Rejection and the Influence of Diffuse Reflectance. Applied Spectroscopy, 2001, 55, 1701-1708.	1.2	113
29	Novel Assessment of Bone Using Time-Resolved Transcutaneous Raman Spectroscopy. Journal of Bone and Mineral Research, 2005, 20, 1968-1972.	3.1	110
30	Characterization of genuine and fake artesunate anti-malarial tablets using Fourier transform infrared imaging and spatially offset Raman spectroscopy through blister packs. Analytical and Bioanalytical Chemistry, 2007, 389, 1525-1532.	1.9	107
31	Recent advances in the application of transmission Raman spectroscopy to pharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 645-652.	1.4	107
32	Picosecond Time-Resolved Resonance Raman Probing of the Light-Switch States of [Ru(Phen)2dppz]2+. Journal of Physical Chemistry B, 2001, 105, 12653-12664.	1.2	106
33	Fluorescence background suppression in Raman spectroscopy using combined Kerr gated and shifted excitation Raman difference techniques. Journal of Raman Spectroscopy, 2002, 33, 238-242.	1.2	102
34	The photophysics of fac-[Re(CO)3(dppz)(py)]+ in CH3CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical studyDedicated to the memory of Nobel Laureate, Lord George Porter FRSC FRS OM.. Photochemical and Photobiological Sciences, 2003, 2, 542.	1.6	95
35	Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Doubleâ€Stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Transient Absorption Spectroscopy. Chemistry - A European Journal, 2008, 14, 369-375.	1.7	95
36	Emerging concepts in deep Raman spectroscopy of biological tissue. Analyst, The, 2009, 134, 1058.	1.7	95

#	Article	IF	Citations
37	A Determination of the Structure of the Intramolecular Charge Transfer State of 4-Dimethylaminobenzonitrile (DMABN) by Time-Resolved Resonance Raman Spectroscopy. Journal of Physical Chemistry A, 2001, 105, 984-990.	1.1	94
38	Picosecond Relaxation of3MLCT Excited States of [Re(Etpy)(CO)3(dmb)]+and [Re(Cl)(CO)3(bpy)] as Revealed by Time-Resolved Resonance Raman, UVâ^'vis, and IR Absorption Spectroscopy. Journal of Physical Chemistry A, 2004, 108, 2363-2369.	1.1	94
39	Photon Migration in Raman Spectroscopy. Applied Spectroscopy, 2004, 58, 591-597.	1.2	94
40	Non-invasive quantitative assessment of the content of pharmaceutical capsules using transmission Raman spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 221-229.	1.4	94
41	The Early Picosecond Photophysics of Ru(II) Polypyridyl Complexes: A Tale of Two Timescales. Journal of Physical Chemistry A, 2008, 112, 4537-4544.	1.1	90
42	Non-invasive probing of pharmaceutical capsules using transmission Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 563-567.	1.2	87
43	Ultrafast Excited-State Dynamics Preceding a Ligand Transâ^'Cis Isomerization offac-[Re(Cl)(CO)3(t-4-styrylpyridine)2] andfac-[Re(t-4-styrylpyridine)(CO)3(2,2â€˜-bipyridine)]+. Journal of Physical Chemistry A, 2005, 109, 3000-3008.	1.1	86
44	Prospects for the diagnosis of breast cancer by noninvasive probing of calcifications using transmission Raman spectroscopy. Journal of Biomedical Optics, 2007, 12, 024008.	1.4	85
45	Tetracycline and derivativesâ€”assignment of IR and Raman spectra via DFT calculations. Physical Chemistry Chemical Physics, 2003, 5, 1149-1157.	1.3	82
46	Spatially offset Raman spectroscopy for biomedical applications. Chemical Society Reviews, 2021, 50, 556-568.	18.7	82
47	Direct Observation of a Hydrogen-Bonded Charge-Transfer State of 4-Dimethylaminobenzonitrile in Methanol by Time-Resolved IR Spectroscopy. Angewandte Chemie - International Edition, 2003, 42, 1826-1830.	7.2	81
48	Depth profiling of calcifications in breast tissue using picosecond Kerr-gated Raman spectroscopy. Analyst, The, 2007, 132, 48-53.	1.7	81
49	Spatially offset Raman spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	11.8	80
50	Picosecond Time-Resolved Study of 4-Dimethylaminobenzonitrile in Polar and Nonpolar Solvents. Journal of Physical Chemistry A, 2000, 104, 4188-4197.	1.1	79
51	Excited States of 4-Aminobenzonitrile (ABN) and 4-Dimethylaminobenzonitrile (DMABN):â€‰ Time-resolved Resonance Raman, Transient Absorption, Fluorescence, and ab Initio Calculations. Journal of Physical Chemistry A, 2002, 106, 3294-3305.	1.1	75
52	Depth Profiling in Diffusely Scattering Media Using Raman Spectroscopy and Picosecond Kerr Gating. Applied Spectroscopy, 2005, 59, 200-205.	1.2	74
53	Picosecond time-resolved spectroscopy of the photocolouration reaction of photochromic naphthoxazine-spiro-indolines. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1331.	1.7	73
54	Using picosecond and nanosecond time-resolved infrared spectroscopy for the investigation of excited states and reaction intermediates of inorganic systemsBased on the presentation given at Dalton Discussion No. 6, 9?11th September 2003, University of York, UK.. Dalton Transactions, 2003, , 3996.	1.6	73

#	Article	IF	Citations
55	The Vulcan 10 PW project. Journal of Physics: Conference Series, 2010, 244, 032006.	0.3	73
56	Non-invasive analysis of turbid samples using deep Raman spectroscopy. Analyst, The, 2011, 136, 3039-3050.	1.7	70
57	Subsurface Raman Analysis of Thin Painted Layers. Applied Spectroscopy, 2014, 68, 686-691.	1.2	70
58	Subsurface analysis of painted sculptures and plasters using micrometreâ€scale spatially offset Raman spectroscopy (microâ€SORS). Journal of Raman Spectroscopy, 2015, 46, 476-482.	1.2	70
59	Methodological evolutions of Raman spectroscopy in art and archaeology. Analytical Methods, 2016, 8, 8395-8409.	1.3	70
60	Tunable picosecond optical parametric generator-amplifier system for time resolved Raman spectroscopy. Measurement Science and Technology, 1998, 9, 816-823.	1.4	69
61	Excited-State Dynamics of Structurally Characterized [Re I (CO) 3 (phen)(HisX)] + (X = 83, 109) Pseudomonas a eruginosa Azurins in Aqueous Solution. Journal of the American Chemical Society, 2006, 128, 4365-4370.	6.6	69
62	Studies of the S1 state in a prototypical molecular wire using picosecond time-resolved spectroscopiesElectronic supplementary information (ESI) available: time-resolved emission spectra, and transient absorption spectra. See http://www.rsc.org/suppdata/cc/b3/b307005k/. Chemical Communications, 2003, , 2406.	2.2	68
63	Ligand-to-Diimine/Metal-to-Diimine Charge-Transfer Excited States of [Re(NCS)(CO)3(Î±-diimine)] (Î±-diimine) Tj ETQq1 1 0.784314 rgB Physical Chemistry A, 2005, 109, 5016-5025.	1.1	68
64	Vibrational mode-selective effects in the picosecond time-resolved resonance Raman spectrum of singlet excited trans-stilbene. Chemical Physics Letters, 1993, 208, 471-478.	1.2	67
65	Unraveling the Photochemistry of Fe(CO)5in Solution:Â Observation of Fe(CO)3and the Conversion between3Fe(CO)4and1Fe(CO)4(Solvent). Journal of the American Chemical Society, 2004, 126, 10713-10720.	6.6	65
66	Monitoring the direct and indirect damage of DNA bases and polynucleotides by using time-resolved infrared spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2150-2153.	3.3	64
67	Raman Signal Enhancement in Deep Spectroscopy of Turbid Media. Applied Spectroscopy, 2007, 61, 845-854.	1.2	64
68	Emerging Non-invasive Raman Methods in Process Control and Forensic Applications. Pharmaceutical Research, 2008, 25, 2205-15.	1.7	64
69	Fluorescence kinetics of aqueous solutions of tetracycline and its complexes with Mg2+ and Ca2+This paper is dedicated to Professor Fred Lewis on the event of his 60th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 1107.	1.6	61
70	Characterization of New Cocrystals by Raman Spectroscopy, Powder X-ray Diffraction, Differential Scanning Calorimetry, and Transmission Raman Spectroscopy. Crystal Growth and Design, 2010, 10, 2360-2371.	1.4	61
71	Transmission Raman spectroscopy as a tool for quantifying polymorphic content of pharmaceutical formulations. Analyst, The, 2010, 135, 2328.	1.7	60
72	Through-container, extremely low concentration detection of multiple chemical markers of counterfeit alcohol using a handheld SORS device. Scientific Reports, 2017, 7, 12082.	1.6	60

#	Article	IF	Citations
73	Picosecond time-resolved resonance Raman observation of the iso-CH2Iâ€“I photoproduct from the â€œphotoisomerizationâ€•reaction of diiodomethane in the solution phase. Journal of Chemical Physics, 2000, 113, 7471-7478.	1.2	59
74	Deep Noninvasive Raman Spectroscopy of Turbid Media. Applied Spectroscopy, 2008, 62, 291A-304A.	1.2	58
75	Evaluation of an ultrabroadband high-gain amplification technique for chirped pulse amplification facilities. Applied Optics, 1999, 38, 7486.	2.1	57
76	Probing the Solvent Dependent Photophysics of Inorganic Chemistry, 2008, 47, 9857-9869.	1.9	57
77	Early photochemical dynamics of organometallic compounds studied by ultrafast time-resolved spectroscopic techniquesBased on the presentation given at Dalton Discussion No. 4, 10â€“13th January 2002, Kloster Banz, Germany.. Dalton Transactions RSC, 2002, , 701-712.	2.3	56
78	A Novel Approach for Subsurface Through-Skin Analysis of Salmon Using Spatially Offset Raman Spectroscopy (SORS). Applied Spectroscopy, 2014, 68, 255-262.	1.2	56
79	Monitoring the effect of ultrafast deactivation of the electronic excited states of DNA bases and polynucleotides following 267 nm laser excitation using picosecond time-resolved infrared spectroscopy. Chemical Communications, 2005, , 1182.	2.2	54
80	Non-invasive detection of cocaine dissolved in beverages using displaced Raman spectroscopy. Analytica Chimica Acta, 2008, 607, 50-53.	2.6	54
81	Non-invasive identification of incoming raw pharmaceutical materials using Spatially Offset Raman Spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 65-69.	1.4	53
82	Towards the in vivo prediction of fragility fractures with Raman spectroscopy. Journal of Raman Spectroscopy, 2015, 46, 610-618.	1.2	53
83	Ultrafast Photochemical Dissociation of an Equatorial CO Ligand fromtrans(X,X)-[Ru(X)2(CO)2(bpy)] (X = Cl, Br, I):Â A Picosecond Time-Resolved Infrared Spectroscopic and DFT Computational Study. Inorganic Chemistry, 2004, 43, 7380-7388.	1.9	52
84	Excited States of Nitro-Polypyridine Metal Complexes and Their Ultrafast Decay. Time-Resolved IR Absorption, Spectroelectrochemistry, and TD-DFT Calculations offac-[Re(Cl)(CO)3(5-Nitro-1,10-phenanthroline)]. Journal of Physical Chemistry A, 2005, 109, 6147-6153.	1.1	52
85	Photoelectron angular distributions as a probe of alignment evolution in a polyatomic molecule: Picosecond time- and angle-resolved photoelectron spectroscopy of S1 para-difluorobenzene. Journal of Chemical Physics, 1999, 111, 1438-1445.	1.2	51
86	Mechanism and Dynamics of Interligand Electron Transfer in fac-[Re(MQ+)(CO)3(dmb)]2+. An Ultrafast Time-Resolved Visible and IR Absorption, Resonance Raman, and Emission Study (dmb =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (4 108, 556-567.	1.1	51
87	Optical parametric chirped-pulse amplification source suitable for seeding high-energy systems. Optics Letters, 2008, 33, 2386.	1.7	51
88	A measurement of the 1Sâ€“2S transition frequency in muonium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 187, 247-254.	0.9	50
89	Kerr-gated time-resolved Raman spectroscopy of equine cortical bone tissue. Journal of Biomedical Optics, 2005, 10, 014014.	1.4	50
90	Structural Analysis of Lignin by Resonance Raman Spectroscopy. Macromolecular Bioscience, 2005, 5, 743-752.	2.1	47

#	Article	IF	Citations
91	Simple Reconstruction Algorithm for Shifted Excitation Raman Difference Spectroscopy. Applied Spectroscopy, 2005, 59, 848-851.	1.2	47
92	Micro-scale spatially offset Raman spectroscopy for non-invasive subsurface analysis of turbid materials. Analyst, The, 2016, 141, 731-739.	1.7	46
93	Comparison of key modalities of micro-scale spatially offset Raman spectroscopy. Analyst, The, 2015, 140, 8127-8133.	1.7	44
94	Femtosecond Spectroscopic Study of MLCT Excited-State Dynamics of Cr(CO)4(bpy): Excitation-Energy-Dependent Branching between CO Dissociation and Relaxation. Journal of the American Chemical Society, 1999, 121, 5296-5301.	6.6	43
95	Direct Observation of Competitive Ultrafast CO Dissociation and Relaxation of an MLCT Excited State:â€‰ Picosecond Time-Resolved Infrared Spectroscopic Study of [Cr(CO)4(2,2â€˜-bipyridine)]. Inorganic Chemistry, 2002, 41, 4318-4323.	1.9	43
96	Rhenium-to-Benzoylpyridine and Rhenium-to-Bipyridine MLCT Excited States offac-[Re(Cl)(4-benzoylpyridine)2(CO)3] andfac-[Re(4-benzoylpyridine)(CO)3(bpy)]+:Â A Time-Resolved Spectroscopic and Spectroelectrochemical Study. Inorganic Chemistry, 2004, 43, 4523-4530.	1.9	43
97	Design of a multi-petawatt optical parametric chirped pulse amplifier for the iodine laser ASTERIX IV. IEEE Journal of Quantum Electronics, 2000, 36, 158-163.	1.0	42
98	Raman spectroscopy reveals differences in collagen secondary structure which relate to the levels of mineralisation in bones that have evolved for different functions. Journal of Raman Spectroscopy, 2012, 43, 1237-1243.	1.2	42
99	Isotope Effects on the Picosecond Time-Resolved Emission Spectroscopy of Tris(2,2â€˜-bipyridine)ruthenium (II). Journal of the American Chemical Society, 2003, 125, 1706-1707.	6.6	41
100	Characterisation of transmission Raman spectroscopy for rapid quantitative analysis of intact multi-component pharmaceutical capsules. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 463-468.	1.4	41
101	Noninvasive Analysis of Thin Turbid Layers Using Microscale Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2015, 87, 5810-5815.	3.2	41
102	5â€“20 keV laser-induced x-ray generation at 1 kHz from a liquid-jet target. Review of Scientific Instruments, 1998, 69, 3113-3117.	0.6	40
103	Excited-State Dynamics offac-[ReI(L)(CO)3(phen)]+andfac-[ReI(L)(CO)3(5-NO2-phen)]+(L = Imidazole,) Tj ETQq1 1 0.784314 rgBT /O	1.9	40
104	Non-invasive detection of powders concealed within diffusely scattering plastic containers. Vibrational Spectroscopy, 2008, 48, 8-11.	1.2	40
105	Towards a safe non-invasive method for evaluating the carbonate substitution levels of hydroxyapatite (HAP) in micro-calcifications found in breast tissue. Analyst, The, 2010, 135, 3156.	1.7	40
106	Picosecond time-resolved resonance Raman observation of the iso-CH2Clâ€“I and iso-CH2Iâ€“Cl photoproducts from the â€œphotoisomerizationâ€•reactions of CH2ICl in the solution phase. Journal of Chemical Physics, 2001, 114, 7536-7543.	1.2	39
107	Lignin Radicals in the Plant Cell Wall Probed by Kerr-Gated Resonance Raman Spectroscopy. Biophysical Journal, 2006, 90, 2978-2986.	0.2	39
108	The anti-Stokes resonance Raman spectrum of photoexcited S1 trans-stilbene. Chemical Physics Letters, 1995, 237, 373-379.	1.2	38

#	Article	IF	Citations
109	Time-resolved resonance Raman spectra of the intramolecular charge transfer state of DMABN. Chemical Physics Letters, 2000, 322, 395-400.	1.2	38
110	Deep Subsurface Raman Spectroscopy of Turbid Media by a Defocused Collection System. Applied Spectroscopy, 2007, 61, 1123-1127.	1.2	38
111	Decomposition of in vivo spatially offset Raman spectroscopy data using multivariate analysis techniques. Journal of Raman Spectroscopy, 2014, 45, 188-192.	1.2	38
112	A High-Sensitivity Femtosecond to Microsecond Time-Resolved Infrared Vibrational Spectrometer. Applied Spectroscopy, 2005, 59, 467-473.	1.2	36
113	Electronic Structure and Excited States of Rhenium(I) Amido and Phosphido Carbonylâ^'Bipyridine Complexes Studied by Picosecond Time-Resolved IR Spectroscopy and DFT Calculations. Inorganic Chemistry, 2006, 45, 9789-9797.	1.9	36
114	Solvent effects on the charge transfer excited states of 4-dimethylaminobenzonitrile (DMABN) and 4-dimethylamino-3,5-dimethylbenzonitrile (TMABN) studied by time-resolved infrared spectroscopy: a direct observation of hydrogen bonding interactions. Photochemical and Photobiological Sciences, 2007, 6, 987-994.	1.6	36
115	Dependence of Signal on Depth in Transmission Raman Spectroscopy. Applied Spectroscopy, 2011, 65, 724-733.	1.2	36
116	Rapid quantification of low level polymorph content in a solid dose form using transmission Raman spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 35-45.	1.4	36
117	Spatially offset Raman spectroscopy for non-invasive analysis of turbid samples. TrAC - Trends in Analytical Chemistry, 2018, 103, 209-214.	5.8	36
118	Picosecond Kerr-gated time-resolved resonance Raman spectroscopy of the [Ru(phen)2dppz]2+ interaction with DNA. Journal of Inorganic Biochemistry, 2002, 91, 286-297.	1.5	35
119	Spatially Offset Raman Spectroscopyâ€"How Deep?. Analytical Chemistry, 2021, 93, 6755-6762.	3.2	35
120	Further time-resolved spectroscopic investigations on the intramolecular charge transfer state of 4-dimethylaminobenzonitrile (DMABN) and its derivatives, 4-diethylaminobenzonitrile (DEABN) and 4-dimethylamino-3,5-dimethylbenzonitrile (TMABN)Dedicated to Professor Dr Z. R. Grabowski and Professor Dr J. Wirz on the occasions of their 75th and 60th birthdays.. Physical Chemistry Chemical Physics, 2003, 5, 1043-1050.	1.3	34
121	Raman spectroscopy of street samples of cocaine obtained using Kerr gated fluorescence rejection. Analyst, The, 2004, 129, 505.	1.7	34
122	Two independently tunable and synchronised femtosecond pulses generated in the visible at the repetition rate 40 kHz using optical parametric amplifiers. Optics Communications, 1996, 127, 307-312.	1.0	33
123	Studying the distribution of deep Raman spectroscopy signals using liquid tissue phantoms with varying optical properties. Analyst, The, 2015, 140, 5112-5119.	1.7	33
124	Spatially Offset and Transmission Raman Spectroscopy for Determination of Depth of Inclusion in Turbid Matrix. Analytical Chemistry, 2019, 91, 8994-9000.	3.2	33
125	Optical characterization of porcine tissues from various organs in the 650â€"1100â€…nm range using time-domain diffuse spectroscopy. Biomedical Optics Express, 2020, 11, 1697.	1.5	33
126	Picosecond time-resolved resonance Raman observation of Iso-CH2Brâ€"I following A-band photodissociation of CH2BrI in the solution phase. Chemical Physics Letters, 2001, 341, 292-298.	1.2	32

#	Article	IF	Citations
127	Application of UV-Vis and resonance Raman spectroscopy to study bleaching and photoyellowing of thermomechanical pulps. Holzforschung, 2006, 60, 231-238.	0.9	32
128	Excited-State Characters and Dynamics of [W(CO)5(4-cyanopyridine)] and [W(CO)5(piperidine)] Studied by Picosecond Time-Resolved IR and Resonance Raman Spectroscopy and DFT Calculations:Â Roles of W â†' L and W â†' CO MLCT and LF Excited States Revised. Inorganic Chemistry, 2004, 43, 1723-1734.	1.9	31
129	Solvent dependent photophysics of fac-[Re(CO)3(11,12-X2dppz)(py)]+ (X = H, F or Me). Photochemical and Photobiological Sciences, 2007, 6, 741.	1.6	31
130	Ultrafast Excited State Dynamics Controlling Photochemical Isomerization of Nâ€Methylâ€4â€[transâ€2â€(4â€pyridyl)ethenyl]pyridinium Coordinated to a {Re^I(CO)₃(2,2â€²â€bipyridine)} Chromophore. Chemistry - A European Journal, 2008, 14, 6912-6923.	1.7	31
131	Evidence from Raman Spectroscopy of a Putative Link Between Inherent Bone Matrix Chemistry and Degenerative Joint Disease. Arthritis and Rheumatology, 2014, 66, 1237-1246.	2.9	31
132	A picosecond time-resolved resonance Raman study of S1 cis-stilbene. Chemical Physics Letters, 1997, 278, 56-62.	1.2	30
133	PtIIDiimine Chromophores with Perfluorinated Thiolate Ligands:Â Nature and Dynamics of the Charge-Transfer-to-Diimine Lowest Excited State. Inorganic Chemistry, 2003, 42, 7077-7085.	1.9	30
134	Measurement of abnormal bone composition in vivo using noninvasive Raman spectroscopy. IBMS BoneKEy, 2014, 11, 602.	0.1	30
135	Ultrafast excited-state dynamics of photoisomerizing complexes fac-[Re(Cl)(CO)3(papy)2] and fac-[Re(papy)(CO)3(bpy)]+ (papy=trans-4-phenylazopyridine). Inorganica Chimica Acta, 2007, 360, 885-896.	1.2	29
136	Temporal and Spatial Resolution in Transmission Raman Spectroscopy. Applied Spectroscopy, 2010, 64, 52-60.	1.2	29
137	Development of a full micro-scale spatially offset Raman spectroscopy prototype as a portable analytical tool. Analyst, The, 2017, 142, 351-355.	1.7	29
138	High sensitivity nonâ€invasive detection of calcifications deep inside biological tissue using Transmission Raman Spectroscopy. Journal of Biophotonics, 2018, 11, e201600260.	1.1	29
139	Time-Resolved Study of the Triplet State of 4-dimethylaminobenzonitrile (DMABN). Journal of Physical Chemistry A, 2001, 105, 4648-4652.	1.1	28
140	Detailed Picosecond Kerr-Gated Time-Resolved Resonance Raman Spectroscopy and Time-Resolved Emission Studies of Merocyanine 540 in Various Solvents. Journal of Physical Chemistry A, 2003, 107, 4347-4353.	1.1	28
141	Prediction of Sublayer Depth in Turbid Media Using Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2008, 80, 8146-8152.	3.2	28
142	Comprehensive quantification of tablets with multiple active pharmaceutical ingredients using transmission Raman spectroscopyâ€"A proof of concept study. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 277-282.	1.4	28
143	Resonance Raman spectroscopy of highly fluorescing lignin containing chemical pulps: Suppression of fluorescence with an optical Kerr gate. Holzforschung, 2004, 58, 82-90.	0.9	27
144	Use of picosecond Kerr-gated Raman spectroscopy to suppress signals from both surface and deep layers in bladder and prostate tissue. Journal of Biomedical Optics, 2005, 10, 044006.	1.4	27

#	Article	IF	Citations
145	Application of portable Raman spectroscopy and benchtop spatially offset Raman spectroscopy to interrogate concealed biomaterials. Journal of Raman Spectroscopy, 2009, 40, 1875-1880.	1.2	27
146	Probing intraligand and charge transfer excited states of fac-[Re(R)(CO)3(CO2Et-dppz)]+ (R = py,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 infrared spectroscopy. Photochemical and Photobiological Sciences, 2007, 6, 1158.	1.6	26
147	The picosecond timescale relaxation of photoexcited quaterphenyl in solution. Journal of Chemical Physics, 1997, 107, 9807-9817.	1.2	25
148	Development of portable defocusing micro-scale spatially offset Raman spectroscopy. Analyst, The, 2016, 141, 3012-3019.	1.7	25
149	Discovering Hidden Painted Images: Subsurface Imaging Using Microscale Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2017, 89, 792-798.	3.2	25
150	Pharmaceutical polymorphs quantified with transmission Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 280-285.	1.2	24
151	Monte Carlo Simulations of Subsurface Analysis of Painted Layers in Micro-Scale Spatially Offset Raman Spectroscopy. Applied Spectroscopy, 2015, 69, 1091-1095.	1.2	23
152	Solvent effects on the photophysical and photochemical properties of (E,E,Eâ€Š)-1,6-bis(4-nitrophenyl)hexa-1,3,5-triene. Perkin Transactions II RSC, 2001, , 308-314.	1.1	22
153	Picosecond time-resolved infrared investigation into the nature of the lowest excited state of fac-[Re(Cl)(CO)3(CO2Et-dppz)] (CO2Et-dppz = dipyrido[3,2a:2â€²,3â€²c]phenazine-11-carboxylic ethyl ester). Vibrational Spectroscopy, 2004, 35, 219-223.	1.2	22
154	Non-invasive chemically specific measurement of subsurface temperature in biological tissues using surface-enhanced spatially offset Raman spectroscopy. Faraday Discussions, 2016, 187, 329-339.	1.6	22
155	Determination of inclusion depth in ex vivo animal tissues using surface enhanced deep Raman spectroscopy. Journal of Biophotonics, 2020, 13, e201960092.	1.1	22
156	Picosecond time-resolved infrared spectroscopic investigation of excited state dynamics in a Ptii diimine chromophore. Chemical Communications, 2002, , 382-383.	2.2	21
157	Time-resolved resonance Raman study of S1cis-stilbene and its deuterated isotopomers. Journal of Raman Spectroscopy, 2003, 34, 886-891.	1.2	21
158	Fluorescence suppression using micro-scale spatially offset Raman spectroscopy. Analyst, The, 2016, 141, 5374-5381.	1.7	21
159	Prospects for a multi-PW source using optical parametric chirped pulse amplifiers. Laser and Particle Beams, 1999, 17, 331-340.	0.4	20
160	Passive signal enhancement in spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2008, 39, 633-637.	1.2	20
161	Transmission Raman spectroscopy for quality control in model cocrystal tablets. Analyst, The, 2012, 137, 3052.	1.7	20
162	Vibrational studies of ground state 4-dimethylaminobenzonitrile (DMABN) and its ring deuterated isotopomer DMABN-d4. Physical Chemistry Chemical Physics, 2001, 3, 2424-2432.	1.3	19

#	Article	IF	Citations
163	Revealing the photophysics of fac-[(dppz-12-NO2)Re(CO)3(4-Me2Npy)]+: a picosecond time-resolved IR studyElectronic supplementary information (ESI) available: synthetic procedures, product characterization and brief descripion of ps-TSIR experiments. See http://www.rsc.org/suppdata/cc/b2/b200586g/. Chemical Communications, 2002, , 872-873.	2.2	19
164	Picosecond Time-Resolved Resonance Raman Study of CH2Iâ˜I Produced after Ultraviolet Photolysis of CH2I2 in CH3OH, CH3CN/H2O and CH3OH/H2O Solutions. Journal of Physical Chemistry A, 2003, 107, 2624-2628.	1.1	19
165	Temperature Spatially Offset Raman Spectroscopy (T-SORS): Subsurface Chemically Specific Measurement of Temperature in Turbid Media Using Anti-Stokes Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2016, 88, 832-837.	3.2	19
166	Spatially offset Raman spectroscopy for photon migration studies in bones with different mineralization levels. Analyst, The, 2017, 142, 3219-3226.	1.7	19
167	Nanoparticle-Mediated Photothermal Therapy Limitation in Clinical Applications Regarding Pain Management. Nanomaterials, 2022, 12, 922.	1.9	19
168	Picosecond pumpâ€“probe photoelectron spectroscopy as a probe of intramolecular dynamics in S1 para-fluorotoluene. Journal of Chemical Physics, 2002, 117, 9099-9102.	1.2	18
169	Redox Control of Light-Induced Charge Separation in a Transition Metal Cluster:Â Photochemistry of a Methyl Viologen-Substituted [Os3(CO)10(Î±-diimine)] Cluster. Inorganic Chemistry, 2005, 44, 1319-1331.	1.9	18
170	Time-Resolved Emission Spectra of Green Fluorescent Protein. Photochemistry and Photobiology, 2006, 82, 373.	1.3	18
171	Kerr-gated picosecond time-resolved resonance Raman spectroscopic probing of the excited states in ?-[Ru(bipy)2dppz](BF4)2 (bipy = 2,2?-bipyridyl, dppz = dipyrido[3,2-a :2?,3?-c]phenazine). Journal of Raman Spectroscopy, 2000, 31, 503-507.	1.2	17
172	First direct observation of a CO-bridged primary photoproduct of [Ru3(CO)12] by picosecond time-resolved IR spectroscopy. Chemical Communications, 2002, , 1220-1221.	2.2	17
173	Functional adaptation of long bone extremities involves the localized â€œtuningâ€•of the cortical bone composition; evidence from Raman spectroscopy. Journal of Biomedical Optics, 2014, 19, 111602.	1.4	17
174	Exploring the effect of laser excitation wavelength on signal recovery with deep tissue transmission Raman spectroscopy. Analyst, The, 2016, 141, 5738-5746.	1.7	17
175	Development of a Fiber-Optics Microspatially Offset Raman Spectroscopy Sensor for Probing Layered Materials. Analytical Chemistry, 2017, 89, 9218-9223.	3.2	17
176	Picosecond time-resolved photoelectron spectroscopy as a means of elucidating mechanisms of intramolecular vibrational energy redistribution in electronically excited states of small aromatic molecules. Molecular Physics, 2005, 103, 1821-1827.	0.8	16
177	Spectroscopic study of optically induced ultrafast electron dynamics in gold. Physical Review B, 2007, 75, .	1.1	16
178	Development of Transmission Raman Spectroscopy towards the in line, high throughput and non-destructive quantitative analysis of pharmaceutical solid oral dose. Analyst, The, 2015, 140, 107-112.	1.7	16
179	Ultrafast Dynamics of Photochemical Radical Formation from [Re(R)(CO)3(dmb)] (R=Me, Et;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf European Journal, 2000, 6, 1386-1394.	1.7	15
180	Resonance Raman study of ring deuterated 4-dimethylaminobenzonitrile (DMABN-d4): the ground, ICT and triplet states. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 142, 177-185.	2.0	15

#	Article	IF	Citations
181	Pt(ii) mono-carbonyl complexes of a cyclometallating 2-(2â€²-thienyl)-(pyridinato-C,3Nâ€²) ligand: nature and dynamics of the lowest excited state of the chloro- and thiolato-complexes. Dalton Transactions, 2005, , 2092.	1.6	15
182	Different Mechanisms of Photochemical Reâ^'Me and Reâ^'Et Bond Homolysis in [Re(R)(CO)3(4,4â€˜-dimethyl-2,2â€˜-bipyridine)]. A Time-Resolved IR Spectroscopic Study Ranging from Picoseconds to Microseconds. Organometallics, 2006, 25, 2148-2156.	1.1	15
183	Photon migration of Raman signal in bone as measured with spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 240-247.	1.2	15
184	Exploring street art paintings by microspatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1652-1659.	1.2	15
185	Subsurface Chemically Specific Measurement of pH Levels in Biological Tissues Using Combined Surface-Enhanced and Deep Raman. Analytical Chemistry, 2019, 91, 10984-10987.	3.2	15
186	Direct monitoring of light mediated hyperthermia induced within mammalian tissues using surface enhanced spatially offset Raman spectroscopy (T-SESORS). Analyst, The, 2019, 144, 3552-3555.	1.7	15
187	Non-invasive depth determination of inclusion in biological tissues using spatially offset Raman spectroscopy with external calibration. Analyst, The, 2020, 145, 7623-7629.	1.7	15
188	Photoinduced electron transfer in phenothiazine and pyrene based dyades studied by picosecond time-gated Raman spectroscopy. Chemical Physics Letters, 2001, 348, 277-284.	1.2	14
189	Determination of thickness of thin turbid painted over-layers using micro-scale spatially offset Raman spectroscopy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160049.	1.6	14
190	Development of defocusing micro-SORS mapping: a study of a 19th century porcelain card. Analytical Methods, 2017, 9, 6435-6442.	1.3	14
191	Quantifying low levels (<0.5% w/w) of warfarin sodium salts in oral solid dose forms using Transmission Raman spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2018, 155, 276-283.	1.4	14
192	Fast Raman spectral mapping of highly fluorescing samples by time-gated spectral multiplexed detection. Optics Letters, 2018, 43, 5733.	1.7	14
193	Photoelectron spectroscopy of S1 toluene: II. Intramolecular dynamics of selected vibrational levels in S1 toluene studied by nanosecond and picosecond time-resolved photoelectron spectroscopies. Journal of Chemical Physics, 2005, 123, 204317.	1.2	13
194	Threat detection of liquid explosive precursor mixtures by Spatially Offset Raman Spectroscopy (SORS). Proceedings of SPIE, 2009, , .	0.8	13
195	Detection of concealed substances in sealed opaque plastic and coloured glass containers using SORS. , 2010, , .		13
196	Contrasting confocal with defocusing microscale spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 565-570.	1.2	13
197	Noninvasive Determination of Depth in Transmission Raman Spectroscopy in Turbid Media Based on Sample Differential Transmittance. Analytical Chemistry, 2017, 89, 9730-9733.	3.2	13
198	High repetition rate picosecond time-resolved resonance Raman spectroscopy apparatus. Measurement Science and Technology, 1993, 4, 1090-1095.	1.4	12

#	Article	IF	Citations
199	Time-resolved spectroscopy study of the triplet state of 4-diethylaminobenzonitrile (DEABN). Physical Chemistry Chemical Physics, 2003, 5, 3643.	1.3	12
200	Sensitivity of Transmission Raman Spectroscopy Signals to Temperature of Biological Tissues. Scientific Reports, 2018, 8, 8379.	1.6	12
201	Adaptive band target entropy minimization: Optimization for the decomposition of spatially offset Raman spectra of bone. Journal of Raman Spectroscopy, 2020, 51, 66-78.	1.2	12
202	Estimating the Reduced Scattering Coefficient of Turbid Media Using Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2021, 93, 3386-3392.	3.2	12
203	Inner Sphere Reorganization Dynamics Accompanying Charge Transfer in Cyanoterphenyl. Journal of Physical Chemistry A, 1998, 102, 1431-1437.	1.1	11
204	Marked influence of the bridging carbonyl ligands on the photo- and electrochemistry of the clusters [Ru3(CO)8(Î¼-CO)2(Î±-diimine)] (Î±-diimine = 2,2â€²-bipyridine, 4,4â€²-dimethyl-2,2â€²-bipyridine and) Tj1	1.6	11
205	Kerr gated resonance Raman spectroscopy in light fastness studies of ink jet prints. Vibrational Spectroscopy, 2005, 37, 123-131.	1.2	11
206	Determination of Depth in Transmission Raman Spectroscopy in Turbid Media Using a Beam Enhancing Element. Applied Spectroscopy, 2017, 71, 1849-1855.	1.2	11
207	Investigation of Heterogeneous Painted Systems by Micro-Spatially Offset Raman Spectroscopy. Analytical Chemistry, 2017, 89, 11476-11483.	3.2	11
208	Portable through Bottle SORS for the Authentication of Extra Virgin Olive Oil. Applied Sciences (Switzerland), 2021, 11, 8347.	1.3	11
209	Picosecond time-resolved infrared spectroscopic investigation into electron localisation in the excited states of Re(i) polypyridyl complexes with bridging ligands. Photochemical and Photobiological Sciences, 2006, 5, 82-87.	1.6	10
210	Development of petawatt laser amplification systems at the Central Laser Facility. , 2007, , .		10
211	Is the Collagen Primed for Mineralization in Specific Regions of the Turkey Tendon? An Investigation of the Proteinâ€“Mineral Interface Using Raman Spectroscopy. Analytical Chemistry, 2016, 88, 1559-1563.	3.2	10
212	Analytical Capability of Defocused Âµ-SORS in the Chemical Interrogation of Thin Turbid Painted Layers. Applied Spectroscopy, 2016, 70, 156-161.	1.2	10
213	Lockâ€in detection in Raman spectroscopy with chargeâ€shifting CCD for suppression of fast varying backgrounds. Journal of Raman Spectroscopy, 2019, 50, 983-995.	1.2	10
214	Nonâ€invasive and in situ investigation of layers sequence in panel paintings by portable microâ€spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 2016-2021.	1.2	10
215	Sub-Surface Molecular Analysis and Imaging in Turbid Media Using Time-Gated Raman Spectral Multiplexing. Applied Spectroscopy, 2021, 75, 156-167.	1.2	10
216	Title is missing!. Angewandte Chemie, 2003, 115, 1870-1874.	1.6	9

#	Article	IF	Citations
217	Surface-enhanced resonance Raman scattering using pulsed and continuous-wave laser excitation. Journal of Raman Spectroscopy, 2005, 36, 600-605.	1.2	9
218	Self-absorption corrected non-invasive transmission Raman spectroscopy (of biological tissue). Analyst, The, 2021, 146, 1260-1267.	1.7	9
219	Surface enhanced deep Raman detection of cancer tumour through 71 mm of heterogeneous tissue. Nanotheranostics, 2022, 6, 337-349.	2.7	9
220	The picosecond transient Raman spectra of S1 excited oligophenyls, oxazols and stilbene derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 2491-2500.	2.0	8
221	Kerr-gated picosecond Raman spectroscopy and Raman photon migration of equine bone tissue with 400-nm excitation. , 2004, 5321, 164.		8
222	Low-Lying Excited States and Primary Photoproducts of[Os3(CO)10(s-cis-L)] (L=Cyclohexa-1,3-diene,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Density Functional Theory. Chemistry - A European Journal, 2004, 10, 3451-3460.	1.7	8
223	Characterisation of signal enhancements achieved when utilizing a photon diode in deep Raman spectroscopy of tissue. Biomedical Optics Express, 2016, 7, 2130.	1.5	8
224	Contrasting confocal XRF with micro-SORS: a deep view within micrometric painted stratigraphy. Analytical Methods, 2018, 10, 3837-3844.	1.3	8
225	Shifted Excitation Raman Difference Spectroscopy with Charge-Shifting Charge-Coupled Device (CCD) Lock-In Detection. Applied Spectroscopy, 2019, 73, 000370281985935.	1.2	8
226	Noninvasive simultaneous monitoring of pH and depth using surfaceâ€enhanced deep Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 1078-1082.	1.2	8
227	Detection of Age-Related Changes in Tendon Molecular Composition by Raman Spectroscopyâ€"Potential for Rapid, Non-Invasive Assessment of Susceptibility to Injury. International Journal of Molecular Sciences, 2020, 21, 2150.	1.8	8
228	Structural features of two distinct molecular complexes of copper(II) cationic porphyrin and deoxyribonucleotides. Biopolymers, 2002, 67, 278-281.	1.2	7
229	Chemical and explosives point detection through opaque containers using spatially offset Raman spectroscopy (SORS). Proceedings of SPIE, 2011, , .	0.8	7
230	Quantification of pharmaceuticals via transmission Raman spectroscopy: data sub-selection. Analyst, The, 2014, 139, 74-78.	1.7	7
231	The use of laser spectroscopy to investigate bone disease in King Henry VIII's sailors. Journal of Archaeological Science, 2015, 53, 516-520.	1.2	7
232	Title is missing!. , 0, , .		7
233	Time-resolved study of the photochemical reaction of 4-dimethylaminobenzonitrile with carbon tetrachloride. Journal of Raman Spectroscopy, 2001, 32, 115-123.	1.2	6
234	Picosecond time-gated Raman spectroscopy for transcutaneous evaluation of bone composition. , 2005, , .		6

#	Article	IF	Citations
235	Enhancement of laser radiation coupled into turbid media by using a unidirectional mirror. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1223.	0.9	6
236	Technique for Enhancing Signal in Conventional Backscattering Fluorescence and Raman Spectroscopy of Turbid Media. Analytical Chemistry, 2008, 80, 6006-6009.	3.2	6
237	Variation in the Transmission Near-Infrared Signal with Depth in Turbid Media. Applied Spectroscopy, 2014, 68, 383-387.	1.2	6
238	Clinical Spectroscopy: general discussion. Faraday Discussions, 2016, 187, 429-460.	1.6	6
239	Noninvasive Detection of Differential Water Content Inside Biological Samples Using Deep Raman Spectroscopy. Analytical Chemistry, 2020, 92, 9449-9453.	3.2	6
240	Spectroscopy of the 1S-2S energy splitting in muonium. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 505-509.	2.4	5
241	The photolysis of 3-cyclopentenone adsorbed on an MgF2 surface. Chemical Physics Letters, 1995, 246, 269-274.	1.2	5
242	Picosecond transient absorption studies of dipyridophenazine. , 2003, , .		4
243	Picosecond time-resolved infrared study of 2-aminopurine ionisation in solution. Photochemical and Photobiological Sciences, 2007, 6, 949.	1.6	4
244	Spatially offset Raman spectroscopy (SORS) for liquid screening. Proceedings of SPIE, 2011, , .	0.8	4
245	Millimeter-Scale Mapping of Cortical Bone Reveals Organ-Scale Heterogeneity. Applied Spectroscopy, 2014, 68, 510-514.	1.2	4
246	Single cell analysis/data handling: general discussion. Faraday Discussions, 2016, 187, 299-327.	1.6	4
247	Tunable Picosecond Optical Parametric Amplifiers for Time Resolved Resonance Raman Spectroscopy. Laser Chemistry, 1999, 19, 153-159.	0.5	3
248	Ultrafast transient absorption studies of ruthenium and rhenium dipyridophenazine complexes bound to DNA and polynucleotides. , 2003, , .		3
249	Novel Raman signal recovery from deeply buried tissue components. Proceedings of SPIE, 2008, , .	0.8	3
250	Spatially offset Raman spectroscopy for photon migration investigations in long bone. Proceedings of SPIE, 2015, , .	0.8	3
251	PS-TR3 Spectroscopy of S1Cis-Stilbene in Solution. Laser Chemistry, 1999, 19, 97-100.	0.5	2
252	The performance of spatially offset Raman spectroscopy for liquid explosive detection. , 2016, , .		2

#	Article	IF	Citations
253	Grating Spectrometry and Spatial Heterodyne Fourier Transform Spectrometry: Comparative Noise Analysis for Raman Measurements. Applied Spectroscopy, 2021, 75, 241-249.	1.2	2
254	Model-Based Optimization of Laser Excitation and Detection Improves Spectral Contrast in Non-Invasive Diffuse Raman Spectroscopy. Applied Spectroscopy, 2022, , 000370282110729.	1.2	2
255	Non-destructive Monitoring of Dye Depth Profile in Mesoporous TiO₂ Electrodes of Solar Cells with Micro-SORS. Analytical Chemistry, 2022, 94, 2966-2972.	3.2	2
256	Preionization of TEA CO2 laser by sliding discharge. European Physical Journal D, 1988, 38, 1375-1382.	0.4	1
257	Picosecond Raman Excitation Profile and Transient Absorption Spectrum of S1 Quaterphenyl in Solution. Laser Chemistry, 1999, 19, 79-82.	0.5	1
258	Surface enhanced resonance Raman scattering detection by fluorimeter. Analyst, The, 2005, 130, 472.	1.7	1
259	Design of the 10 PW OPCPA Facility for the Vulcan Laser. , 2010, , .		1
260	Spatially Offset Raman Spectroscopyâ€"Emerging Concepts and Applications. , 2010, , .		1
261	Assessment of photon migration for subsurface probing in selected types of bone using spatially offset Raman spectroscopy. , 2016, , .		1
262	Ultrafast Dynamics of Photochemical Radical Formation from [Re(R)(CO)3(dmb)] (R=Me, Et;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382		1
263	Nonâ€destructive analysis of concentration profiles in turbid media using microâ€spatially offset Raman spectroscopy: A physical model. Journal of Raman Spectroscopy, 2022, 53, 1592-1603.	1.2	1
264	A photophysical study of substituted arylethynylenes. Proceedings of SPIE, 2008, , .	0.8	0
265	Editorial Board profiles. Analyst, The, 2012, 137, 21-23.	1.7	0
266	Ultrafast Photoreactions in the Green Fluorescent Protein Studied Through Time Resolved Vibrational Spectroscopy. , 2006, , .		0
267	Spatially Offset Raman Spectroscopy for photon migration investigations in long bone. , 2015, , .		0
268	Characterisation of a novel transmission Raman spectroscopy platform for non-invasive detection of breast micro-calcifications. , 2018, , .		0
269	Spatially Offset Raman Spectroscopy for estimating the depth of inclusion in diffusely scattering samples. , 2022, , .		0