Michael Schmitt

List of Publications by Year
in descending order

277	11,429	26567 56	42291 92
papers	citations	h-index	g-index

285	285	285	11066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface-enhanced Raman spectroscopy (SERS): progress and trends. Analytical and Bioanalytical Chemistry, 2012, 403, 27-54.	1.9	712
2	Selfâ€Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. Advanced Materials, 2013, 25, 1634-1638.	11.1	319
3	Raman Spectroscopy-A Prospective Tool in the Life Sciences. ChemPhysChem, 2003, 4, 14-30.	1.0	302
4	Mechanism and Dynamics of Azobenzene Photoisomerization. Journal of the American Chemical Society, 2003, 125, 8098-8099.	6.6	296
5	Chemotaxonomic Identification of Single Bacteria by Micro-Raman Spectroscopy: Application to Clean-Room-Relevant Biological Contaminations. Applied and Environmental Microbiology, 2005, 71, 1626-1637.	1.4	267
6	Towards a Detailed Understanding of Bacterial Metabolismâ€"Spectroscopic Characterization ofStaphylococcus Epidermidis. ChemPhysChem, 2007, 8, 124-137.	1.0	201
7	Labelâ€Free Molecular Imaging of Biological Cells and Tissues by Linear and Nonlinear Raman Spectroscopic Approaches. Angewandte Chemie - International Edition, 2017, 56, 4392-4430.	7.2	177
8	Raman spectroscopy at the beginning of the twenty-first century. Journal of Raman Spectroscopy, 2006, 37, 20-28.	1.2	176
9	Advantages and limitations of Raman spectroscopy for molecular diagnostics: an update. Expert Review of Molecular Diagnostics, 2015, 15, 773-787.	1.5	176
10	On the Way to Nanometer-Sized Information of the Bacterial Surface by Tip-Enhanced Raman Spectroscopy. ChemPhysChem, 2006, 7, 1428-1430.	1.0	174
11	Photochemical Fate: The First Step Determines Efficiency of H₂ Formation with a Supramolecular Photocatalyst. Angewandte Chemie - International Edition, 2010, 49, 3981-3984.	7.2	162
12	How Delocalized Is N,N,Nâ€˜,Nâ€˜-Tetraphenylphenylenediamine Radical Cation? An Experimental and Theoretical Study on the Electronic and Molecular Structure. Journal of the American Chemical Society, 2004, 126, 7834-7845.	6.6	156
13	Developments in spontaneous and coherent Raman scattering microscopic imaging for biomedical applications. Chemical Society Reviews, 2016, 45, 1819-1849.	18.7	151
14	Dynamics of excited-state proton transfer systems via time-resolved photoelectron spectroscopy. Journal of Chemical Physics, 2001, 114, 2519-2522.	1.2	147
15	Femtosecond time-resolved coherent anti-Stokes Raman scattering for the simultaneous study of ultrafast ground and excited state dynamics: iodine vapour. Chemical Physics Letters, 1997, 270, 9-15.	1.2	145
16	Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. Journal of Biomedical Optics, 2012, 17, 040801.	1.4	137
17	Photophysics of an Intramolecular Hydrogenâ€Evolving Ruâ€“Pd Photocatalyst. Chemistry - A European Journal, 2009, 15, 7678-7688.	1.7	132
18	Deepâ€UV surfaceâ€enhanced Raman scattering. Journal of Raman Spectroscopy, 2007, 38, 1379-1382.	1.2	122

#	Article	IF	Citations
19	Efficient anti-Stokes generation through phase-matched four-wave mixing in higher-order modes of a microstructure fiber. Optics Letters, 2003, 28, 1948.	1.7	111
20	A comparative Raman and CARS imaging study of colon tissue. Journal of Biophotonics, 2009, 2, 303-312.	1.1	110
21	The Application of Femtosecond Time-Resolved Coherent Anti-Stokes Raman Scattering for the Investigation of Ground and Excited State Molecular Dynamics of Molecules in the Gas Phase. Journal of Physical Chemistry A, 1998, 102, 4059-4065.	1.1	108
22	Raman imaging of changes in the polysaccharides distribution in the cell wall during apple fruit development and senescence. Planta, 2016, 243, 935-945.	1.6	101
23	Raman spectroscopic identification of single yeast cells. Journal of Raman Spectroscopy, 2005, 36, 377-379.	1.2	100
24	Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. NPG Asia Materials, 2017, 9, e420-e420.	3.8	97
25	Vibrational spectroscopic characterization of fluoroquinolones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 1505-1517.	2.0	94
26	Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. ChemPhysChem, 2011, 12, 2101-2109.	1.0	93
27	Density functional and vibrational spectroscopic analysis of Î²-carotene. Journal of Raman Spectroscopy, 2003, 34, 413-419.	1.2	89
28	Wave packet dynamics in different electronic states investigated by femtosecond time-resolved four-wave-mixing spectroscopy. Applied Physics B: Lasers and Optics, 2000, 71, 299-317.	1.1	87
29	Multimode pumped continuous-wave solid-state Raman laser. Optics Letters, 2004, 29, 2524.	1.7	83
30	The identification of microorganisms by micro-Raman spectroscopy. Journal of Molecular Structure, 2003, 661-662, 363-369.	1.8	81
31	The application of a SERS fiber probe for the investigation of sensitive biological samples. Analyst, The, 2004, 129, 1193-1199.	1.7	80
32	Polymeric Halogenâ€Bondâ€Based Donor Systems Showing Selfâ€Healing Behavior in Thin Films. Angewandte Chemie - International Edition, 2017, 56, 4047-4051.	7.2	79
33	Enhancement of photoluminescence in manganese-doped ZnS nanoparticles due to a silica shell. Journal of Chemical Physics, 2003, 118, 8945-8953.	1.2	78
34	Endoscopic fiber probe for nonlinear spectroscopic imaging. Optica, 2017, 4, 496.	4.8	78
35	Femtosecond time-resolved four-wave mixing spectroscopy in iodine vapour. Chemical Physics Letters, 1997, 280, 339-347.	1.2	75
36	Characterization of bacterial growth and the influence of antibiotics by means of UV resonance Raman spectroscopy. Biopolymers, 2006, 82, 306-311.	1.2	73

#	Article	IF	Citations
37	Four-wave-mixing-based optical parametric oscillator delivering energetic, tunable, chirped femtosecond pulses for non-linear biomedical applications. Optics Express, 2015, 23, 23968.	1.7	71
38	UV Raman spectroscopyâ€"A technique for biological and mineralogical in situ planetary studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1029-1035.	2.0	70
39	Models for the Active Site in [FeFe] Hydrogenase with Iron-Bound Ligands Derived from Bis-, Tris-, and Tetrakis(mercaptomethyl)silanes. Inorganic Chemistry, 2010, 49, 10117-10132.	1.9	70
40	Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in Ï€â€Conjugated Terpyridines. ChemPhysChem, 2009, 10, 910-919.	1.0	68
41	Checking and Improving Calibration of Raman Spectra using Chemometric Approaches. Zeitschrift Fur Physikalische Chemie, 2011, 225, 753-764.	1.4	68
42	Classification of inflammatory bowel diseases by means of Raman spectroscopic imaging of epithelium cells. Journal of Biomedical Optics, 2012, 17, 0760301.	1.4	68
43	Droplet formation via flow-through microdevices in Raman and surface enhanced Raman spectroscopyâ€"concepts and applications. Lab on A Chip, 2011, 11, 3584.	3.1	66
44	Pseudo-HE images derived from CARS/TPEF/SHG multimodal imaging in combination with Raman-spectroscopy as a pathological screening tool. BMC Cancer, 2016, 16, 534.	1.1	66
45	Electronic continua in time-resolved photoelectron spectroscopy. II. Corresponding ionization correlations. Journal of Chemical Physics, 2001, 114, 1206-1213.	1.2	64
46	Substituent Effects in Molecular Electronic Relaxation Dynamics via Time-Resolved Photoelectron Spectroscopy:Â Ï€Ï€* States in Benzenes. Journal of Physical Chemistry A, 2002, 106, 8979-8991.	1.1	64
47	Methods and applications of femtosecond time-resolved photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2000, 112, 183-198.	0.8	63
48	Low-wave-number Raman scattering fromCdSxSe1â^'xquantum dots embedded in a glass matrix. Physical Review B, 2003, 67, .	1.1	63
49	Ultrafast proton transfer of 1-hydroxy-2-acetonaphthone: Reaction path from resonance Raman and transient absorption studies. Journal of Chemical Physics, 2005, 122, 244315.	1.2	62
50	Substitution-controlled ultrafast excited-state processes in Ruâ€"dppz-derivatives. Physical Chemistry Chemical Physics, 2010, 12, 1357-1368.	1.3	62
51	Synthesis and Characterisation of Poly(bipyridine)ruthenium Complexes as Building Blocks for Heterosupramolecular Arrays. European Journal of Inorganic Chemistry, 2008, 2008, 3310-3319.	1.0	61
52	Fiberâ€based light sources for biomedical applications of coherent antiâ€Stokes Raman scattering microscopy. Laser and Photonics Reviews, 2015, 9, 435-451.	4.4	61
53	Identification of Biotic and Abiotic Particles by Using a Combination of Optical Tweezers and In Situ Raman Spectroscopy. ChemPhysChem, 2004, 5, 1159-1170.	1.0	60
54	Three-Dimensional Molecular Mapping of a Multiple Emulsion by Means of CARS Microscopy. Journal of Physical Chemistry B, 2008, 112, 1420-1426.	1.2	59

#	Article	IF	Citations
55	Synthesis, structure and spectroscopic characterization of water-soluble CdS nanoparticles. Chemical Physics Letters, 2003, 379, 443-451.	1.2	57
56	Raman spectroscopy of II-VI semiconductor nanostructures: CdS quantum dots. Journal of Raman Spectroscopy, 2003, 34, 100-103.	1.2	57
57	Ultrafast Excited-State Excitation Dynamics in a Quasi-Two-Dimensional Light-Harvesting Antenna Based on Ruthenium(II) and Palladium(II) Chromophores. Chemistry - A European Journal, 2006, 12, 5105-5115.	1.7	57
58	In Situ Localization and Structural Analysis of the Malaria Pigment Hemozoin. Journal of Physical Chemistry B, 2007, 111, 11047-11056.	1.2	57
59	The First Photoexcitation Step of Ruthenium-Based Models for Artificial Photosynthesis Highlighted by Resonance Raman Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 6078-6087.	1.2	57
60	Monitoring the chemistry of self-healing by vibrational spectroscopy â€“ current state and perspectives. Materials Today, 2014, 17, 57-69.	8.3	57
61	Expanding Multimodal Microscopy by High Spectral Resolution Coherent Anti-Stokes Raman Scattering Imaging for Clinical Disease Diagnostics. Analytical Chemistry, 2013, 85, 6703-6715.	3.2	55
62	Multimodal Imaging Spectroscopy of Tissue. Annual Review of Analytical Chemistry, 2015, 8, 359-387.	2.8	55
63	Spectrometer calibration protocol for Raman spectra recorded with different excitation wavelengths. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 544-549.	2.0	55
64	Deeper Understanding of Biological Tissue: Quantitative Correlation of MALDI-TOF and Raman Imaging. Analytical Chemistry, 2013, 85, 10829-10834.	3.2	54
65	Protochlorophyllide a: A Comprehensive Photophysical Picture. ChemPhysChem, 2009, 10, 144-150.	1.0	51
66	UV Raman ImagingA Promising Tool for Astrobiology:Â Comparative Raman Studies with Different Excitation Wavelengths on SNC Martian Meteorites. Analytical Chemistry, 2007, 79, 1101-1108.	3.2	50
67	In situUV Resonance Raman Micro-spectroscopic Localization of the Antimalarial Quinine in Cinchona Bark. Journal of Physical Chemistry B, 2007, 111, 4171-4177.	1.2	50
68	Synthesis, Characterization, and Electroâ€Optical Properties of Zn^{II}Complexes with Ï€â€Conjugated Terpyridine Ligands. ChemPhysChem, 2009, 10, 787-798.	1.0	49
69	Different contrast information obtained from CARS and nonresonant FWM images. Journal of Raman Spectroscopy, 2009, 40, 941-947.	1.2	49
70	Non-invasive depth profile imaging of the stratum corneum using confocal Raman microscopy: First insights into the method. European Journal of Pharmaceutical Sciences, 2013, 50, 601-608.	1.9	49
71	Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. Chemical Communications, 2014, 50, 5227.	2.2	48
72	Solvent Effects on the Excited-State Processes of Protochlorophyllide:Â A Femtosecond Time-Resolved Absorption Study. Journal of Physical Chemistry B, 2006, 110, 4399-4406.	1.2	47

#	Article	IF	Citations
73	Combined fiber probe for fluorescence lifetime and Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2015, 407, 8291-8301.	1.9	47
74	Structural Analysis of the Anti-Malaria Active Agent Chloroquine under Physiological Conditions. Journal of Physical Chemistry B, 2007, 111, 1815-1822.	1.2	46
75	Ultrasensitivein situTracing of the Alkaloid Dioncophylline A in the Tropical LianaTriphyophyllum peltatumby Applying Deep-UV Resonance Raman Microscopy. Analytical Chemistry, 2007, 79, 986-993.	3.2	46
76	Beyond endoscopic assessment in inflammatory bowel disease: real-time histology of disease activity by non-linear multimodal imaging. Scientific Reports, 2016, 6, 29239.	1.6	46
77	Observation of Raman conversion for 70-fs pulses in KGd(WO_4)_2 crystal in the regime of impulsive stimulated Raman scattering. Optics Letters, 2003, 28, 926.	1.7	45
78	In vitro polarization-resolved resonance Raman studies of the interaction of hematin with the antimalarial drug chloroquine. Journal of Raman Spectroscopy, 2004, 35, 819-821.	1.2	45
79	In vivo localization and identification of the antiplasmodial alkaloid dioncophylline A in the tropical lianaTriphyophyllum peltatum by a combination of fluorescence, near infrared Fourier transform Raman microscopy, and density functional theory calculations. Biopolymers, 2006, 82, 295-300.	1.2	45
80	Synthesis and characterization of regioselective substituted tetrapyridophenazine ligands and their Ru(ii) complexes. Dalton Transactions, 2010, 39, 2359.	1.6	45
81	Light sheet Raman micro-spectroscopy. Optica, 2016, 3, 452.	4.8	45
82	Selfâ€Healing Polymer Networks Based on Reversible Michael Addition Reactions. Macromolecular Chemistry and Physics, 2016, 217, 2541-2550.	1.1	45
83	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. Analyst, The, 2013, 138, 4048.	1.7	44
84	Multimodal nonlinear microscopic investigations on head and neck squamous cell carcinoma: Toward intraoperative imaging. Head and Neck, 2013, 35, E280-7.	0.9	44
85	Supercontinuum generation in a multiple-submicron-core microstructure fiber: toward limiting waveguide enhancement of nonlinear-optical processes. Applied Physics B: Lasers and Optics, 2003, 77, 299-305.	1.1	43
86	Synthesis and characterization of manganese-doped CdS nanoparticles. Physical Chemistry Chemical Physics, 2003, 5, 1639-1643.	1.3	43
87	The role of specific normal modes during non-Born-Oppenheimer dynamics: the S1-S0 internal conversion of ?-carotene interrogated on a femtosecond time-scale with coherent anti-Stokes Raman scattering. Journal of Raman Spectroscopy, 2002, 33, 844-854.	1.2	42
88	The Influence of Fluoroquinolone Drugs on the Bacterial Growth of S. epidermidis Utilizing the Unique Potential of Vibrational Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 2898-2906.	1.1	42
89	IR Spectroscopic Methods for the Investigation of the CO Release from CORMs. Journal of Physical Chemistry A, 2014, 118, 5381-5390.	1.1	42
90	Device for Raman Difference Spectroscopy. Analytical Chemistry, 2007, 79, 6159-6166.	3.2	41

#	Article	IF	Citations
91	Raman spectroscopic investigation of the antimalarial agent mefloquine. Analytical and Bioanalytical Chemistry, 2007, 387, 1749-1757.	1.9	41
92	Multimodal nonlinear microscopy of head and neck carcinoma â€" toward surgery assisting frozen section analysis. Head and Neck, 2016, 38, 1545-1552.	0.9	40
93	Derivatives of dipyrido[3,2-a:2â€²,3â€²-c]phenazine and its ruthenium complexes, influence of arylic substitution on photophysical properties. Dalton Transactions, 2006, , 2225-2231.	1.6	39
94	Zinc(II) Bisterpyridine Complexes: The Influence of the Cation on the Ï€-Conjugation between Terpyridine and the Lateral Phenyl Substituent. Journal of Physical Chemistry C, 2008, 112, 18651-18660.	1.5	39
95	The switch that wouldn't switch â€“ unexpected luminescence from a ruthenium(ii)-dppz-complex in water. Dalton Transactions, 2010, 39, 2768.	1.6	39
96	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. Biofouling, 2012, 28, 687-696.	0.8	39
97	CORM-EDE1: A Highly Water-Soluble and Nontoxic Manganese-Based photoCORM with a Biogenic Ligand Sphere. Inorganic Chemistry, 2016, 55, 104-113.	1.9	39
98	Adsorption of 6-mercaptopurine and 6-mercaptopurine riboside on silver colloid: a pH dependent surface enhanced Raman spectroscopy and density functional theory study. Part I. 6-Mercaptopurine. Journal of Molecular Structure, 2005, 735-736, 103-113.	1.8	38
99	Trapped in Imidazole: How to Accumulate Multiple Photoelectrons on a Blackâ€Absorbing Ruthenium Complex. Chemistry - A European Journal, 2014, 20, 3793-3799.	1.7	38
100	Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Dielsâ€"Alder reaction. Physical Chemistry Chemical Physics, 2015, 17, 22587-22595.	1.3	38
101	Realâ€time Raman and SRS imaging of living human macrophages reveals cellâ€toâ€cell heterogeneity and dynamics of lipid uptake. Journal of Biophotonics, 2017, 10, 1217-1226.	1.1	38
102	Multimodal nonlinear endomicroscopic imaging probe using a double-core double-clad fiber and focus-combining micro-optical concept. Light: Science and Applications, 2021, 10, 207.	7.7	38
103	Towards disentangling coupled electronicâ€"vibrational dynamics in ultrafast non-adiabatic processes. Faraday Discussions, 2000, 115, 33-48.	1.6	37
104	A Concept to Tailor Electron Delocalization: Applying QTAIM Analysis to Phenylâ^'Terpyridine Compounds. Journal of Physical Chemistry A, 2010, 114, 13163-13174.	1.1	37
105	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. Analytical Methods, 2014, 6, 6711-6720.	1.3	36
106	A theoretical analysis of the time-resolved femtosecond CARS spectrum of I2. Chemical Physics Letters, 1997, 281, 332-336.	1.2	35
107	Resonance Raman studies of photochemical molecular devices for multielectron storage. Journal of Raman Spectroscopy, 2008, 39, 557-559.	1.2	35
108	Ruthenium polypyridine complexes of tris-(2-pyridyl)-1,3,5-triazineâ€"unusual building blocks for the synthesis of photochemical molecular devices. Dalton Transactions, 2009, , 4012.	1.6	35

#	Article	IF	Citations
109	Novel workflow for combining Raman spectroscopy and MALDI-MSI for tissue based studies. Analytical and Bioanalytical Chemistry, 2015, 407, 7865-7873.	1.9	35
110	Evaluation of Colloids and Activation Agents for Determination of Melamine Using UV-SERS. Journal of Physical Chemistry C, 2012, 116, 6083-6091.	1.5	34
111	Resonance Raman Scattering in Photodissociating Halomethanes. Journal of Raman Spectroscopy, 1997, 28, 445-453.	1.2	33
112	Simulation of femtosecond time-resolved four-wave mixing experiments on I2. Chemical Physics Letters, 1999, 301, 248-254.	1.2	32
113	Resonance Raman Studies of Bis(terpyridine)ruthenium(II) Amino Acid Esters and Diesters. European Journal of Inorganic Chemistry, 2009, 2009, 3119-3126.	1.0	32
114	Synthesis and Photophysical Properties of 3,8â€Disubstituted 1,10â€Phenanthrolines and Their Ruthenium(II) Complexes. European Journal of Inorganic Chemistry, 2009, 2009, 4962-4971.	1.0	32
115	Imaging the invisibleâ€"Bioorthogonal Raman probes for imaging of cells and tissues. Journal of Biophotonics, 2020, 13, e202000129.	1.1	32
116	Femtosecond Time-Resolved Dynamics of Geminate and Nongeminate Recombination:â€‰ Iodine Enclosed in the Nanocavities of a Microporous SiO2 Modification. Journal of Physical Chemistry A, 1999, 103, 3854-3863.	1.1	31
117	Excited-state processes in protochlorophyllide a â€“ a femtosecond time-resolved absorption study. Chemical Physics Letters, 2004, 397, 110-115.	1.2	31
118	FT-Raman and NIR-SERS characterization of the antimalarial drugs chloroquine and mefloquine and their interaction with hematin. Journal of Raman Spectroscopy, 2006, 37, 326-334.	1.2	31
119	Quantitative mineral analysis using Raman spectroscopy and chemometric techniques. Journal of Raman Spectroscopy, 2010, 41, 684-689.	1.2	31
120	Shapeâ€Memory Metallopolymers Based on Two Orthogonal Metalâ€“Ligand Interactions. Advanced Materials, 2021, 33, e2006655.	11.1	31
121	Raman spectroscopy breaking terrestrial barriers!. Journal of Raman Spectroscopy, 2004, 35, 429-432.	1.2	30
122	Femtosecond Time-Resolved CARS Spectroscopy on Binary Gas-Phase Mixtures:â€‰ A Theoretical and Experimental Study of the Benzene/Toluene System. Journal of Physical Chemistry A, 1998, 102, 9734-9738.	1.1	29
123	Population Dynamics in Vibrational Modes during Non-Bornâ^'Oppenheimer Processes:â€‰ CARS Spectroscopy Used as a Mode-Selective Filter. Journal of the American Chemical Society, 2002, 124, 6242-6243.	6.6	29
124	Spectroscopic detection and quantification of heme and heme degradation products. Analytical and Bioanalytical Chemistry, 2012, 404, 2819-2829.	1.9	29
125	Lightâ€Induced Dynamics in Conjugated Bis(terpyridine) Ligands â€“ A Case Study Toward Photoactive Coordination Polymers. Macromolecular Rapid Communications, 2012, 33, 481-497.	2.0	29
126	Accumulating advantages, reducing limitations: Multimodal nonlinear imaging in biomedical sciences â€“ The synergy of multiple contrast mechanisms. Journal of Biophotonics, 2013, 6, 887-904.	1.1	29

#	Article	IF	Citations
127	Invited Article: A rigid coherent anti-Stokes Raman scattering endoscope with high resolution and a large field of view. APL Photonics, 2018, 3, .	3.0	29
128	The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. ChemPhysChem, 2006, 7, 1727-1733.	1.0	27
129	Towards automated segmentation of cells and cell nuclei in nonlinear optical microscopy. Journal of Biophotonics, 2012, 5, 878-888.	1.1	27
130	Synthesis and photophysics of a novel photocatalyst for hydrogen production based on a tetrapyridoacridine bridging ligand. Chemical Physics, 2012, 393, 65-73.	0.9	27
131	Femtosecond Time-Resolved Pumpâ^'Probe Spectroscopy of NaI in Rare-Gas Environmentâ€. Journal of Physical Chemistry A, 1997, 101, 4852-4859.	1.1	26
132	Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. Macromolecules, 2017, 50, 3789-3795.	2.2	26
133	Automatic labelâ€free detection of breast cancer using nonlinear multimodal imaging and the convolutional neural network ResNet50. Translational Biophotonics, 2019, 1, e201900003.	1.4	26
134	Separation of vibrational and rotational coherences with polarized femtosecond time-resolved four-wave mixing spectroscopy. Journal of Raman Spectroscopy, 2000, 31, 25-31.	1.2	25
135	The excited-state dynamics of magnesium octaethylporphyrin studied by femtosecond time-resolved four-wave-mixing. Chemical Physics Letters, 2005, 415, 94-99.	1.2	25
136	Femtosecond time-resolved spectroscopy on biological photoreceptor chromophores. Laser and Photonics Reviews, 2007, 1, 57-78.	4.4	25
137	Prediction of Electron Densities, the Respective Laplacians, and Ellipticities in Bond-Critical Points of Phenylâ^'CHâ^'Bonds via Linear Relations to Parameters of Inherently Localized CD Stretching Vibrations and¹H NMR-Shifts. Journal of Physical Chemistry A, 2009, 113, 3210-3222.	1.1	25
138	Investigation of substitution effects on novel Ruâ€“dppz complexes by Raman spectroscopy in combination with DFT methods. Journal of Raman Spectroscopy, 2010, 41, 922-932.	1.2	25
139	Remote Raman spectroscopy as a prospective tool for planetary surfaces. Journal of Raman Spectroscopy, 2004, 35, 433-440.	1.2	24
140	Investigation on the Second Part of the Electromagnetic SERS Enhancement and Resulting Fabrication Strategies of Anisotropic Plasmonic Arrays. ChemPhysChem, 2010, 11, 1918-1924.	1.0	24
141	Probing the Kinetics of a Nonadiabatic Transition Initiating Out of Vibrationally Excited as Well as Ground State Modes with Femtosecond Time-Resolved Transient Gratingsâ€. Journal of Physical Chemistry A, 2003, 107, 8355-8362.	1.1	23
142	Fiber probe for nonlinear imaging applications. Journal of Biophotonics, 2016, 9, 138-143.	1.1	23
143	Computational tissue staining of non-linear multimodal imaging using supervised and unsupervised deep learning. Biomedical Optics Express, 2021, 12, 2280.	1.5	23
144	Femtosecond pump-probe and four-wave mixing spectroscopies applied to simple molecules. Vibrational Spectroscopy, 1999, 19, 23-31.	1.2	22

#	Article	IF	Citations
145	Ground state vibrational wave-packet and recovery dynamics studied by time-resolved CARS and pump-CARS spectroscopy. Journal of Raman Spectroscopy, 2006, 37, 397-403.	1.2	22
146	Catalytic Efficiency of a Photoenzymeâ€"An Adaptation to Natural Light Conditions. ChemPhysChem, 2012, 13, 2013-2015.	1.0	22
147	Determination of wave packet dynamics by femtosecond time-resolved pump-dump-probe and four-wave mixing techniques. Journal of Molecular Structure, 1999, 480-481, 33-43.	1.8	21
148	Population dynamics of vibrational modes in stilbene-3 upon photoexcitation to the first excited state. Chemical Physics Letters, 2005, 408, 37-43.	1.2	21
149	Increased stability in selfâ€healing polymer networks based on reversible Michael addition reactions. Journal of Applied Polymer Science, 2017, 134, .	1.3	21
150	Urethanes as reversible covalent moieties in self-healing polymers. European Polymer Journal, 2018, 104, 45-50.	2.6	21
151	Femtosecond time-resolved spectroscopy of elementary molecular dynamics. Die Naturwissenschaften, 2002, 89, 250-258.	0.6	20
152	Stable kilohertz rate molecular beam laser ablation sources. Review of Scientific Instruments, 2003, 74, 4812-4817.	0.6	20
153	The excited-state geometry of 1-hydroxy-2- acetonaphthone: a resonance Raman and quantum chemical study. Journal of Raman Spectroscopy, 2006, 37, 148-160.	1.2	20
154	Excitation of symmetric and anti-symmetric stretching motion in the continuum resonance Raman scattering from ABA-type molecules. Chemical Physics Letters, 1998, 284, 39-46.	1.2	19
155	The Excited-State Dynamics of Phycocyanobilin in Dependence on the Excitation Wavelength. ChemPhysChem, 2004, 5, 1171-1177.	1.0	19
156	Adsorption of 6-mercaptopurine and 6-mercaptopurine-ribosideon silver colloid: A pH-dependent surface-enhanced Raman spectroscopy and density functional theory study. II. 6-mercaptopurine-riboside. Biopolymers, 2005, 78, 298-310.	1.2	19
157	Derivation of Correlation Functions to Predict Bond Properties of Phenylâ^'CH Bonds Based on Vibrational and¹H NMR Spectroscopic Quantities. Journal of Physical Chemistry A, 2010, 114, 10287-10296.	1.1	19
158	Resonance Raman Spectral Imaging of Intracellular Uptake of Î²â€Carotene Loaded Poly(D,<scp>L</scp>â€lactideâ€coâ€glycolide) Nanoparticles. ChemPhysChem, 2013, 14, 155-161.	1.0	19
159	Systematic evaluation of the biological variance within the Raman based colorectal tissue diagnostics. Journal of Biophotonics, 2016, 9, 533-541.	1.1	19
160	A polyyne toxin produced by an antagonistic bacterium blinds and lyses a Chlamydomonad alga. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
161	CCD broadband detection technique for the spectral characterization of the inhomogeneous signal in femtosecond time-resolved four-wave mixing spectroscopy. Journal of Raman Spectroscopy, 1999, 30, 807-813.	1.2	18
162	Characterization of Diffusion Processes of Pharmacologically Relevant Molecules through Polydimethylsiloxane Membranes by Confocal Micro-resonance Raman Spectroscopy. ChemPhysChem, 2003, 4, 296-299.	1.0	18

#	Article	IF	Citations
163	Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. Chemical Physics Letters, 2010, 492, 157-163.	1.2	18
164	Ruthenium dye functionalized gold nanoparticles and their spectral responses. RSC Advances, 2012, 2, 4463.	1.7	18
165	Carbon monoxide release properties and molecular structures of phenylthiolatomanganese(<scp>i</scp>) carbonyl complexes of the type [(OC)₄Mn(Î¼-S-aryl)]₂. Dalton Transactions, 2015, 44, 3020-3033.	1.6	18
166	Comparing Raman and fluorescence lifetime spectroscopy from human atherosclerotic lesions using a bimodal probe. Journal of Biophotonics, 2016, 9, 958-966.	1.1	18
167	Synthesis and solution stability of water-soluble Îº²N,Îº²O-bis(3,5-dimethylpyrazolyl)ethanol manganese(<scp>i</scp>) tricarbonyl bromide (CORM-ONN1). Dalton Transactions, 2017, 46, 1684-1693.	1.6	18
168	Do You Get What You See? Understanding Molecular Selfâ€Healing. Chemistry - A European Journal, 2018, 24, 2493-2502.	1.7	18
169	Protein-Induced Excited-State Dynamics of Protochlorophyllide. Journal of Physical Chemistry A, 2011, 115, 7873-7881.	1.1	17
170	Raman Spectroscopic Imaging for the Realâ€Time Detection of Chemical Changes Associated with Docetaxel Exposure. ChemPhysChem, 2013, 14, 550-553.	1.0	17
171	Elucidation of the COâ€Release Kinetics of CORMâ€A1 by Means of Vibrational Spectroscopy. ChemPhysChem, 2016, 17, 985-993.	1.0	17
172	Theoretical principles of Raman spectroscopy. Physical Sciences Reviews, 2019, 4, .	0.8	17
173	Nonresonant Raman spectroscopy of isolated human retina samples complying with laser safety regulations for in vivo measurements. Neurophotonics, 2019, 6, 1.	1.7	17
174	Continuous-wave solid-state Raman laser for spectroscopic applications. Journal of Raman Spectroscopy, 2006, 37, 421-428.	1.2	15
175	DNA tertiary structure and changes in DNA supercoiling upon interaction with ethidium bromide and gyrase monitored by UV resonance Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 1246-1258.	1.2	15
176	Remendable polymers via reversible Dielsâ€“Alder cycloaddition of anthraceneâ€containing copolymers with fullerenes. Journal of Applied Polymer Science, 2018, 135, 45916.	1.3	15
177	Biochemical Characterization of Mouse Retina of an Alzheimerâ€™s Disease Model by Raman Spectroscopy. ACS Chemical Neuroscience, 2020, 11, 3301-3308.	1.7	15
178	Molecular self-healing mechanisms between C₆₀-fullerene and anthracene unveiled by Raman and two-dimensional correlation spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 17973-17982.	1.3	14
179	Polymerbasierte HalogenbrÃ¼ckendonoren mit selbstheilenden Eigenschaften in Filmen. Angewandte Chemie, 2017, 129, 4105-4110.	1.6	14
180	Femtosecond coherent Raman spectroscopy and its application to porphyrins. Biopolymers, 2002, 67, 226-232.	1.2	13

#	Article	IF	Citations
181	Excited-state dynamics of Ru(tbbpy)32+investigated by femtosecond time-resolved four-wave mixing. Laser Physics Letters, 2007, 4, 121-125.	0.6	13
182	Continuous-wave solid-state two-Stokes Raman laser. Quantum Electronics, 2009, 39, 624-626.	0.3	13
183	Evidence for SERRS Enhancement in the Spectra of Ruthenium Dyeâ€“Metal Nanoparticle Conjugates. Journal of Physical Chemistry C, 2013, 117, 1121-1129.	1.5	13
184	Multiplex coherent anti-Stokes Raman scattering microspectroscopy of brain tissue with higher ranking data classification for biomedical imaging. Journal of Biomedical Optics, 2017, 22, 066005.	1.4	13
185	Nonlinear Multimodal Imaging Characteristics of Early Septic Liver Injury in a Mouse Model of Peritonitis. Analytical Chemistry, 2019, 91, 11116-11121.	3.2	13
186	Errratum to â€œA theoretical analysis of the time-resolved femtosecond CARS spectrum of I2â€• Chemical Physics Letters, 1998, 287, 753-754.	1.2	12
187	Conformation and Hydrogen Bonding Properties of an Aziridinyl Peptide:Â X-ray Structure Analysis, Raman Spectroscopy and Theoretical Investigations. Journal of Physical Chemistry A, 2004, 108, 11398-11408.	1.1	12
188	Effect of nanocrystal growth conditions on exciton decay and spin dephasing in an ensemble of CdSe nanocrystals grown in glass. Physical Review B, 2006, 73, .	1.1	11
189	Introduction to the Fundamentals of Raman Spectroscopy. Springer Series in Optical Sciences, 2010, , 21-42.	0.5	11
190	Excited-state annihilation in a homodinuclear ruthenium complex. Chemical Communications, 2011, 47, 3820.	2.2	11
191	Excited-State Dynamics of Protochlorophyllide Revealed by Subpicosecond Infrared Spectroscopy. Biophysical Journal, 2011, 100, 260-267.	0.2	11
192	Redox State Sensitive Spectroscopy of the Model Compound [(H-dcbpy)₂Ru^{II}(NCS)₂]^{2â€“} (dcbpy =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 T	1.5	11
193	Advances in laser concepts for multiplex, coherent Raman scattering micro-spectroscopy and imaging. TrAC - Trends in Analytical Chemistry, 2018, 102, 103-109.	5.8	11
194	Acetoxymethyl Concept for Intracellular Administration of Carbon Monoxide with Mn(CO)₃â€Based PhotoCORMs. Chemistry - A European Journal, 2018, 24, 3321-3329.	1.7	11
195	Differential response of liver sinusoidal endothelial cells and hepatocytes to oleic and palmitic acid revealed by Raman and CARS imaging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165763.	1.8	11
196	Multimodal Molecular Imaging and Identification of Bacterial Toxins Causing Mushroom Soft Rot and Cavity Disease. ChemBioChem, 2021, 22, 2901-2907.	1.3	11
197	Spatially Resolving the Enhancement Effect in Surface-Enhanced Coherent Anti-Stokes Raman Scattering by Plasmonic Doppler Gratings. ACS Nano, 2021, 15, 809-818.	7.3	11
198	Combination of Patch Clamp and Raman Spectroscopy for Single-Cell Analysis. Analytical Chemistry, 2011, 83, 344-350.	3.2	10

#	Article	IF	Citations
199	Metal-Mediated Reaction Modeled on Nature: The Activation of Isothiocyanates Initiated by Zinc Thiolate Complexes. Inorganic Chemistry, 2011, 50, 3223-3233.	1.9	10
200	Bessel beam CARS of axially structured samples. Scientific Reports, 2015, 5, 10991.	1.6	10
201	Bessel beam coherent anti-Stokes Raman scattering microscopy. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1773.	0.9	10
202	A Water-Soluble Mn(CO)3-Based and Non-Toxic PhotoCORM for Administration of Carbon Monoxide Inside of Cells. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2057-2062.	0.6	10
203	Biexciton and spin dephasing effects in quantum dots embedded in a glass matrix proved by four-wave mixing and pump-and-probe spectroscopy. Physical Review B, 2003, 67, .	1.1	9
204	Vibrational phase imaging in wide-field CARS for nonresonant background suppression. Optics Express, 2015, 23, 10756.	1.7	9
205	Investigation of Microalgal Carotenoid Content Using Coherent Antiâ€Stokes Raman Scattering (CARS) Microscopy and Spontaneous Raman Spectroscopy. ChemPhysChem, 2018, 19, 1048-1055.	1.0	9
206	Palladiumâ€SCS Pincer Complexes as Crossâ€Linking Moieties in Selfâ€Healing Metallopolymers. Macromolecular Rapid Communications, 2018, 39, e1800495.	2.0	9
207	Invited Article: Comparison of hyperspectral coherent Raman scattering microscopies for biomedical applications. APL Photonics, 2018, 3, 092404.	3.0	9
208	CARS-imaging guidance for fs-laser ablation precision surgery. Analyst, The, 2019, 144, 7310-7317.	1.7	9
209	Dual crosslinked metallopolymers using orthogonal metal complexes as rewritable shape-memory polymers. Journal of Materials Chemistry A, 2021, 9, 15051-15058.	5.2	9
210	Time evolution of resonance Raman scattering from simple systems. Journal of Molecular Structure, 1995, 347, 229-244.	1.8	8
211	Zinc Thiolate Complexes [ZnLn(SR)]+ with Azamacrocyclic Ligands, Part II: Mechanism of the Reaction with CS2. European Journal of Inorganic Chemistry, 2006, 2006, 2783-2791.	1.0	8
212	Hepatic Vitamin A Content Investigation Using Coherent Antiâ€Stokes Raman Scattering Microscopy. ChemPhysChem, 2016, 17, 4043-4051.	1.0	8
213	Markerfreie molekulare Bildgebung biologischer Zellen und Gewebe durch lineare und nichtlineare Ramanâ€spektroskopische Ansätze. Angewandte Chemie, 2017, 129, 4458-4500.	1.6	8
214	PC 2D-COS: A Principal Component Base Approach to Two-Dimensional Correlation Spectroscopy. Applied Spectroscopy, 2020, 74, 460-472.	1.2	8
215	The combination of optical coherence tomography and Raman spectroscopy for tissue characterization. Journal of Biomedical Photonics and Engineering, 0, , 169-177.	0.4	8
216	Boosting Efficiency in Lightâ€Driven Water Splitting by Dynamic Irradiation through Synchronizing Reaction and Transport Processes**. ChemSusChem, 2022, 15, .	3.6	8

#	Article	IF	Citations
217	The impact of bromine substitution on the photophysical properties of a homodinuclear Ruâ€“tpphzâ€“Ru complex. Chemical Physics Letters, 2011, 516, 45-50.	1.2	7
218	Multimodal nonlinear imaging of atherosclerotic plaques differentiation of triglyceride and cholesterol deposits. Journal of Innovative Optical Health Sciences, 2014, 07, 1450027.	0.5	7
219	Hydrogel-Embedded Model Photocatalytic System Investigated by Raman and IR Spectroscopy Assisted by Density Functional Theory Calculations and Two-Dimensional Correlation Analysis. Journal of Physical Chemistry A, 2018, 122, 2677-2687.	1.1	7
220	Shape-Memory Metallopolymer Networks Based on a Triazoleâ€“Pyridine Ligand. Polymers, 2019, 11, 1889.	2.0	7
221	In-depth characterization of self-healing polymers based on Ï€â€“Ï€ nteractions. Beilstein Journal of Organic Chemistry, 2021, 17, 2496-2504.	1.3	7
222	Semantic Segmentation of Non-linear Multimodal Images for Disease Grading of Inflammatory Bowel Disease: A SegNet-based Application. , 2019, , .		7
223	Identification of inflammatory markers in eosinophilic cells of the immune system: fluorescence, Raman and CARS imaging can recognize markers but differently. Cellular and Molecular Life Sciences, 2022, 79, 1.	2.4	7
224	Continuum resonance Raman scattering in 127I79Br and 35Cl2. Experimental verification of the reflection principle. Chemical Physics Letters, 1995, 243, 64-70.	1.2	6
225	Probing the structure and Franckâ€“Condon region of protochlorophyllide a through analysis of the Raman and resonance Raman spectra. Journal of Raman Spectroscopy, 2010, 41, 414-423.	1.2	6
226	Modified bibenzimidazole ligands as spectator ligands in photoactive molecular functional Ru-polypyridine units? Implications from spectroscopy. Dalton Transactions, 2014, 43, 17659-17665.	1.6	6
227	Ultraâ€compact tunable fiber laser for coherent antiâ€Stokes Raman imaging. Journal of Raman Spectroscopy, 2021, 52, 1561-1568.	1.2	6
228	Novel Biobased Selfâ€Healing Ionomers Derived from Itaconic Acid Derivates. Macromolecular Rapid Communications, 2021, 42, 2000636.	2.0	6
229	Simultaneous Infrared Spectroscopy, Raman Spectroscopy, and Luminescence Sensing: A Multispectroscopic Analytical Platform. ACS Measurement Science Au, 2022, 2, 157-166.	1.9	6
230	Multimodal Nonlinear Microscopy for Therapy Monitoring of Cold Atmospheric Plasma Treatment. Micromachines, 2019, 10, 564.	1.4	5
231	Comparison of standard and HD FT-IR with multimodal CARS/TPEF/SHG/FLIMS imaging in the detection of the early stage of pulmonary metastasis of murine breast cancer. Analyst, The, 2020, 145, 4982-4990.	1.7	5
232	Characterization of a library of vitamin A-functionalized polymethacrylate-based nanoparticles for siRNA delivery. Polymer Chemistry, 2021, 12, 911-925.	1.9	5
233	Multimodal Scanning Microscope Combining Optical Coherence Tomography, Raman Spectroscopy and Fluorescence Lifetime Microscopy for Mesoscale Label-Free Imaging of Tissue. Analytical Chemistry, 2021, 93, 11479-11487.	3.2	5
234	UV-excited continuum resonance Raman scattering from 35Cl2. Journal of Raman Spectroscopy, 1995, 26, 861-866.	1.2	4

#	Article	IF	Citations
235	Introduction of a high-pressure cell for use with Raman microscopy. Journal of Raman Spectroscopy, 2006, 37, 442-446.	1.2	4
236	Fiber-based dual-focus time-demultiplexed second harmonic generation microscopy. Optics Letters, 2015, 40, 2505.	1.7	4
237	Dual-focus coherent anti-Stokes Raman scattering microscopy using a compact two-beam fiber laser source. Optics Letters, 2017, 42, 183.	1.7	4
238	Introduction to the Fundamentals of Raman Spectroscopy. Springer Series in Surface Sciences, 2018, , 47-68.	0.3	4
239	Kinetic-Model-Free Analysis of Transient Absorption Spectra Enabled by 2D Correlation Analysis. Journal of Physical Chemistry Letters, 2021, 12, 4148-4153.	2.1	4
240	Probing Protein Secondary Structure Influence on Active Centers with Hetero Two-Dimensional Correlation (Resonance) Raman Spectroscopy: A Demonstration on Cytochrome C. Applied Spectroscopy, 2021, 75, 1043-1052.	1.2	4
241	A Study in Red: The Overlooked Role of Azoâ€Moieties in Polymeric Carbon Nitride Photocatalysts with Strongly Extended Optical Absorption. Chemistry - A European Journal, 2021, 27, 17188-17202.	1.7	4
242	Experimental Observation of Different-Order Components of a Vibrational Wave Packet in a Bulk Dielectric Using High-Order Raman Scattering. Physical Review Letters, 2007, 98, 187402.	2.9	3
243	Wavelength-dependent photoproduct formation of phycocyanobilin in solution â€“ Indications for competing reaction pathways. Chemical Physics Letters, 2011, 515, 163-169.	1.2	3
244	All-fiber optical parametric oscillator for bio-medical imaging applications. , 2017, , .		3
245	FLIM data analysis based on Laguerre polynomial decomposition and machine-learning. Journal of Biomedical Optics, 2021, 26, .	1.4	3
246	In vivo coherent antiâ€Stokes Raman scattering microscopy reveals vitamin A distribution in the liver. Journal of Biophotonics, 2021, 14, e202100040.	1.1	3
247	Resonant Light Scattering: from Diatomic Molecules to Laser-Trapped Microparticles. Journal of the Brazilian Chemical Society, 1996, 7, 411-434.	0.6	3
248	Ramanâ€Spektroskopie. Biomedizinische Diagnostik. Chemie in Unserer Zeit, 2011, 45, 14-23.	0.1	2
249	Four-wave mixing based light sources for real-world biomedical applications of coherent Raman microscopy. Proceedings of SPIE, 2016, , .	0.8	2
250	New Methods for the Functionalization of Polymer Matrices with Thiomolybdate Clusters Applied for Hydrogen Evolution Reaction Catalysis. Advanced Energy and Sustainability Research, 0, , 2100085.	2.8	2
251	Synthesis and Characterization of Metallopolymer Networks Featuring Triple Shape-Memory Ability Based on Different Reversible Metal Complexes. Polymers, 2022, 14, 1833.	2.0	2
252	Continuum resonance Raman scattering in 127I79 Br1. Vibrational Spectroscopy, 1996, 12, 207-219.	1.2	1

#	Article	IF	Citations
253	Femtosecond spectroscopy on simple molecular systems: pump-probe and four-wave mixing techniques. , 1999, , .		1
254	Rapid identification of single microbes by various Raman spectroscopic techniques. , 2006, , .		1
255	Wasserstoff durch mehrkernige Metallkomplexe. Nachrichten Aus Der Chemie, 2007, 55, 970-974.	0.0	1
256	Photo-induced processes in new materials for electro-optical applications. Proceedings of SPIE, 2010, , .	0.8	1
257	Raman spectroscopy - An essential tool for biophotonics. , 2011, , .		1
258	The Many facets of Raman Spectroscopy in Biophotonics. , 2013, , .		1
259	Non-linear multimodal imaging for disease diagnostics and treatment monitoring. , 2017, , .		1
260	1. Theoretical principles of Raman spectroscopy. , 2020, , 1-14.		1
261	Intraoperative multimodal imaging. , 2022, , 561-581.		1
262	Femtosecond coherent Raman spectroscopy. , 2002, , .		0
263	Degree of Asymmetry of CdSe Quantum Dots Grown in Glass Probed by Four Wave Mixing. Materials Research Society Symposia Proceedings, 2003, 789, 156.	0.1	0
264	Femtosekundenlaser-Mikroskopie â€“ Nichtlineare optische PhÃnomene revolutionieren Spektroskopie und Mikroskopie. Laser Technik Journal, 2005, 2, 67-71.	0.4	0
265	Toward an understanding of the mode of action of fluoroquinolone drugs. Proceedings of SPIE, 2007, , .	0.8	0
266	Existing and future challenges of multi-dimensional microscopy and imaging for life sciences and biomedicine. , 2009, , .		0
267	Raman meets medicine: Raman spectroscopy: a powerful tool in biophotonics. Proceedings of SPIE, 2009, , .	0.8	0
268	Raman Spectroscopic Characterization of Single Cells. , 2010, , .		0
269	Photophysics Of Protochlorophyllide. , 2010, , .		0
270	Localization Of The [sup 1]MLCT State Of Novel Ruthenium Polypyridine Complexes Via Resonance Raman Spectroscopy. , 2010, , .		0

#	Article	IF	Citations
271	Preface â€“ The Many Facets of Raman Spectroscopy. Zeitschrift Fur Physikalische Chemie, 2011, 225, 643-646.	1.4	0
272	Response to the Comments by L. O. BjÃ¶rn on our Paper â€œCatalytic Efficiency of a Photoenzymeâ€”An Adaptation to Natural Light Conditionsâ€• ChemPhysChem, 2013, 14, 2598-2600.	1.0	0
273	Interpreting CARS images of tissue within the C-H-stretching region. , 2014, , .		0
274	Multimodal nonlinear microscopy of biopsy specimen: towards intraoperative diagnostics (Conference Presentation). , 2016, , .		0
275	Fully automated all-fiber widely-tunable optical-parametric-oscillator laser system. , 2017, , .		0
276	Widely tunable, fully automated, all-fiber dual-color laser system for stimulated Raman imaging. , 2017, , .		0
277	Multimodal optical coherence tomography, Raman spectroscopy and IR fundus imaging for in vivo retinal imaging. , 2022, , .		0