Michael Schmitt

List of Publications by Year
in descending order

271	10,071	41258	53109
papers	citations	49 h-index	85 g-index

275	275	275	10052
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	Advantages and limitations of Raman spectroscopy for molecular diagnostics: an update. Expert Review of Molecular Diagnostics, 2015, 15, 773-787.	1.5	176
9	On the Way to Nanometer-Sized Information of the Bacterial Surface by Tip-Enhanced Raman Spectroscopy. ChemPhysChem, 2006, 7, 1428-1430.	1.0	174
10	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
11	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
12	Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. Journal of Biomedical Optics, 2012, 17, 040801.	1.4	137
13	Photophysics of an Intramolecular Hydrogenâ€Evolving Ruâ€"Pd Photocatalyst. Chemistry - A European Journal, 2009, 15, 7678-7688.	1.7	132
14	Deepâ€UV surfaceâ€enhanced Raman scattering. Journal of Raman Spectroscopy, 2007, 38, 1379-1382.	1.2	122
15	A comparative Raman and CARS imaging study of colon tissue. Journal of Biophotonics, 2009, 2, 303-312.	1.1	110
16	Application of genetic algorithms in automated assignments of high-resolution spectra. International Reviews in Physical Chemistry, 2006, 25, 353-406.	0.9	102
17	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
18	Raman spectroscopic identification of single yeast cells. Journal of Raman Spectroscopy, 2005, 36, 377-379.	1.2	100

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19	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
20	Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. ChemPhysChem, 2011, 12, 2101-2109.	1.0	93
21	3-Hydroxyflavone and N-Phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. Macromolecules, 2018, 51, 4633-4641.	2.2	85
22	Vibronic coupling in indole: I. Theoretical description of the 1Laâ€“1Lb interaction and the electronic spectrum. Physical Chemistry Chemical Physics, 2010, 12, 4968.	1.3	84
23	Structural Selection by Microsolvation:Â Conformational Locking of Tryptamine. Journal of the American Chemical Society, 2005, 127, 10356-10364.	6.6	82
24	New applications of the genetic algorithm for the interpretation of high-resolution spectra. Canadian Journal of Chemistry, 2004, 82, 804-819.	0.6	81
25	Polymeric Halogenâ€Bondâ€Based Donor Systems Showing Selfâ€Healing Behavior in Thin Films. Angewandte Chemie - International Edition, 2017, 56, 4047-4051.	7.2	79
26	Endoscopic fiber probe for nonlinear spectroscopic imaging. Optica, 2017, 4, 496.	4.8	78
27	Statistical Contact Angle Analyses with the High-Precision Drop Shape Analysis (HPDSA) Approach: Basic Principles and Applications. Coatings, 2016, 6, 57.	1.2	74
28	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
29	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
30	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
31	Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in Ï€â€Conjugated Terpyridines. ChemPhysChem, 2009, 10, 910-919.	1.0	68
32	Checking and Improving Calibration of Raman Spectra using Chemometric Approaches. Zeitschrift Fur Physikalische Chemie, 2011, 225, 753-764.	1.4	68
33	Classification of inflammatory bowel diseases by means of Raman spectroscopic imaging of epithelium cells. Journal of Biomedical Optics, 2012, 17, 0760301.	1.4	68
34	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
35	Synthesis and testing of ZnO nanoparticles for photo-initiation: experimental observation of two different non-migration initiators for bulk polymerization. Nanoscale, 2015, 7, 9532-9544.	2.8	66
36	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

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37	Vibronic coupling in indole: II. Investigation of the 1Laâ€“1Lb interaction using rotationally resolved electronic spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 4980.	1.3	65
38	Substitution-controlled ultrafast excited-state processes in Ruâ€“dppz-derivatives. Physical Chemistry Chemical Physics, 2010, 12, 1357-1368.	1.3	62
39	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
40	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
41	Acridone derivatives as high performance visible light photoinitiators for cationic and radical photosensitive resins for 3D printing technology and for low migration photopolymer property. Polymer, 2018, 159, 47-58.	1.8	60
42	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
43	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
44	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
45	Monitoring the chemistry of self-healing by vibrational spectroscopy â€“ current state and perspectives. Materials Today, 2014, 17, 57-69.	8.3	57
46	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
47	Multimodal Imaging Spectroscopy of Tissue. Annual Review of Analytical Chemistry, 2015, 8, 359-387.	2.8	55
48	Protochlorophyllide a: A Comprehensive Photophysical Picture. ChemPhysChem, 2009, 10, 144-150.	1.0	51
49	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
50	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
51	Synthesis, Characterization, and Electroâ€Optical Properties of Zn^{II}Complexes with Ï€â€Conjugated Terpyridine Ligands. ChemPhysChem, 2009, 10, 787-798.	1.0	49
52	Different contrast information obtained from CARS and nonresonant FWM images. Journal of Raman Spectroscopy, 2009, 40, 941-947.	1.2	49
53	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
54	Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. Chemical Communications, 2014, 50, 5227.	2.2	48

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55	Combined fiber probe for fluorescence lifetime and Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2015, 407, 8291-8301.	1.9	47
56	Structural Analysis of the Anti-Malaria Active Agent Chloroquine under Physiological Conditions. Journal of Physical Chemistry B, 2007, 111, 1815-1822.	1.2	46
57	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
58	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
59	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
60	Synthesis and characterization of regioselective substituted tetrapyridophenazine ligands and their Ru(ii) complexes. Dalton Transactions, 2010, 39, 2359.	1.6	45
61	Light sheet Raman micro-spectroscopy. Optica, 2016, 3, 452.	4.8	45
62	Selfâ€Healing Polymer Networks Based on Reversible Michael Addition Reactions. Macromolecular Chemistry and Physics, 2016, 217, 2541-2550.	1.1	45
63	Tunneling Splittings in the S₀ and S₁ States of the Benzoic Acid Dimer Determined by Highâ€Resolution UV Spectroscopy. ChemPhysChem, 2008, 9, 1788-1797.	1.0	44
64	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. Analyst, The, 2013, 138, 4048.	1.7	44
65	Multimodal nonlinear microscopic investigations on head and neck squamous cell carcinoma: Toward intraoperative imaging. Head and Neck, 2013, 35, E280-7.	0.9	44
66	Synthesis and characterization of manganese-doped CdS nanoparticles. Physical Chemistry Chemical Physics, 2003, 5, 1639-1643.	1.3	43
67	Reduced graphene oxide biosensor platform for the detection of NT-proBNP biomarker in its clinical range. Biosensors and Bioelectronics, 2019, 126, 136-142.	5.3	43
68	IR Spectroscopic Methods for the Investigation of the CO Release from CORMs. Journal of Physical Chemistry A, 2014, 118, 5381-5390.	1.1	42
69	Silane Deposition via Gas-Phase Evaporation and High-Resolution Surface Characterization of the Ultrathin Siloxane Coatings. Langmuir, 2018, 34, 10217-10229.	1.6	42
70	Device for Raman Difference Spectroscopy. Analytical Chemistry, 2007, 79, 6159-6166.	3.2	41
71	Raman spectroscopic investigation of the antimalarial agent mefloquine. Analytical and Bioanalytical Chemistry, 2007, 387, 1749-1757.	1.9	41
72	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

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73	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. Macromolecules, 2018, 51, 5628-5637.	2.2	40
74	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
75	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
76	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
77	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. Biofouling, 2012, 28, 687-696.	0.8	39
78	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
79	The structure of phenol-Arnâ€ˆ(n=1,2) clusters in their S and S1 states. Journal of Chemical Physics, 2009, 130, 224303.	1.2	38
80	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
81	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
82	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
83	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
84	Determining the Intermolecular Structure in the S0 and S1 States of the Phenol Dimer by Rotationally Resolved Electronic Spectroscopy. ChemPhysChem, 2006, 7, 1241-1249.	1.0	36
85	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. Analytical Methods, 2014, 6, 6711-6720.	1.3	36
86	Resonance Raman studies of photochemical molecular devices for multielectron storage. Journal of Raman Spectroscopy, 2008, 39, 557-559.	1.2	35
87	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
88	Analysis of silanes and of siloxanes formation by Raman spectroscopy. RSC Advances, 2014, 4, 1907-1917.	1.7	35
89	Novel workflow for combining Raman spectroscopy and MALDI-MSI for tissue based studies. Analytical and Bioanalytical Chemistry, 2015, 407, 7865-7873.	1.9	35
90	Observation of Ultraviolet Rotational Band Contours of the DNA Base Adenine:â€‰ Determination of the Transition Moment. Journal of Physical Chemistry A, 2006, 110, 11819-11823.	1.1	34

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91	The structure of 5-cyanoindole in the ground and the lowest electronically excited singlet states, deduced from rotationally resolved electronic spectroscopy and ab initio theory. Physical Chemistry Chemical Physics, 2012, 14, 10266.	1.3	34
92	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
93	Kinetics of bulk polymerisation and Gompertz's law. Physical Chemistry Chemical Physics, 2011, 13, 690-695.	1.3	33
94	ZnO Nanoparticle Induced Photoâ€Kolbe Reaction, Fragment Stabilization and Effect on Photopolymerization Monitored by Ramanâ€“UVâ€Vis Measurements. Macromolecular Chemistry and Physics, 2012, 213, 1953-1962.	1.1	33
95	Determination of the structure of 7-azaindole in the electronic ground and excited state using high-resolution ultraviolet spectroscopy and an automated assignment based on a genetic algorithm. Molecular Physics, 2004, 102, 1605-1614.	0.8	32
96	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
97	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
98	Imaging the invisibleâ€”Bioorthogonal Raman probes for imaging of cells and tissues. Journal of Biophotonics, 2020, 13, e202000129.	1.1	32
99	Quantitative mineral analysis using Raman spectroscopy and chemometric techniques. Journal of Raman Spectroscopy, 2010, 41, 684-689.	1.2	31
100	High-precision drop shape analysis (HPDSA) of quasistatic contact angles on silanized silicon wafers with different surface topographies during inclining-plate measurements: Influence of the surface roughness on the contact line dynamics. Applied Surface Science, 2015, 342, 11-25.	3.1	31
101	Effect of Decarboxylation on the Photoinitiation Behavior of Nitrocarbazole-Based Oxime Esters. Macromolecules, 2022, 55, 2475-2485.	2.2	31
102	Determination of the excited state structure of 7-azaindole using a Franck-Condon analysis. Molecular Physics, 2004, 102, 1615-1623.	0.8	30
103	Detailed statistical contact angle analyses; â€œslow movingâ€•drops on inclining silicon-oxide surfaces. Journal of Colloid and Interface Science, 2015, 447, 229-239.	5.0	30
104	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
105	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
106	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
107	The structure of the phenol-nitrogen cluster:â€‚A joint experimental andab initiostudy. Journal of Chemical Physics, 2004, 120, 2752-2758.	1.2	28
108	High-Resolution and Dispersed Fluorescence Examination of Vibronic Bands of Tryptamine: Spectroscopic Signatures for L_a/L_b Mixing near a Conical Intersection. Journal of Physical Chemistry A, 2009, 113, 2456-2466.	1.1	28

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109	The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. ChemPhysChem, 2006, 7, 1727-1733.	1.0	27
110	Electronically excited states of tryptamine and its microhydrated complex. Journal of Chemical Physics, 2006, 125, 124309.	1.2	27
111	Towards automated segmentation of cells and cell nuclei in nonlinear optical microscopy. Journal of Biophotonics, 2012, 5, 878-888.	1.1	27
112	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
113	High-precision drop shape analysis on inclining flat surfaces: Introduction and comparison of this special method with commercial contact angle analysis. Journal of Chemical Physics, 2013, 139, 134201.	1.2	26
114	Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. Macromolecules, 2017, 50, 3789-3795.	2.2	26
115	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
116	The structure of 4-methylphenol and its water cluster revealed by rotationally resolved UV spectroscopy using a genetic algorithm approach. Journal of Chemical Physics, 2005, 123, 044304.	1.2	25
117	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
118	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
119	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
120	Rotationally resolved electronic spectroscopy of 5-methoxyindole. Journal of Chemical Physics, 2010, 133, 024303.	1.2	23
121	Photo-Curing of off-set Printing Inks by Functionalized ZnO Nanoparticles. Zeitschrift Fur Physikalische Chemie, 2011, 225, 297-311.	1.4	23
122	Fiber probe for nonlinear imaging applications. Journal of Biophotonics, 2016, 9, 138-143.	1.1	23
123	Determination of the excited-state structure of 7-azaindole-water cluster using a Franck-Condon analysis. Journal of Chemical Physics, 2005, 123, 224311.	1.2	22
124	Catalytic Efficiency of a Photoenzymeâ€”An Adaptation to Natural Light Conditions. ChemPhysChem, 2012, 13, 2013-2015.	1.0	22
125	Structures, dipole moments and excited state lifetime of isolated 4-cyanoindole in its ground and lowest electronically excited singlet states. Physical Chemistry Chemical Physics, 2019, 21, 14766-14774.	1.3	22
126	Structure of 4-fluorophenol and barrier to internal â€“OH rotation in the S1-state. Physical Chemistry Chemical Physics, 2003, 5, 812-819.	1.3	21

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127	Electronic excitation in the benzonitrile dimer: The intermolecular structure in the S0 and S1 state determined by rotationally resolved electronic spectroscopy. Journal of Molecular Structure, 2006, 795, 234-241.	1.8	21
128	Ground and Electronically Excited Singlet State Structures of the syn and anti Rotamers of 5-Hydroxyindole. Journal of Physical Chemistry A, 2012, 116, 7873-7879.	1.1	21
129	Increased stability in selfâ€healing polymer networks based on reversible Michael addition reactions. Journal of Applied Polymer Science, 2017, 134, .	1.3	21
130	Femtosecond time-resolved spectroscopy of elementary molecular dynamics. Die Naturwissenschaften, 2002, 89, 250-258.	0.6	20
131	Determination of ground and excited state dipole moments via electronic Stark spectroscopy: 5-methoxyindole. Journal of Chemical Physics, 2016, 144, 044201.	1.2	20
132	The Excited-State Dynamics of Phycocyanobilin in Dependence on the Excitation Wavelength. ChemPhysChem, 2004, 5, 1171-1177.	1.0	19
133	Determination of the Geometry Change of the Phenol Dimer upon Electronic Excitation. ChemPhysChem, 2007, 8, 1394-1401.	1.0	19
134	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
135	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
136	Determination of the geometry change of 5-cyanoindole upon electronic excitation from a combined Franckâ€“Condon/rotational constants fit. Physical Chemistry Chemical Physics, 2014, 16, 899-905.	1.3	19
137	Statistical approach for contact angle determination on inclining surfaces: â€œslow-movingâ€•analyses of non-axisymmetric drops on a flat silanized silicon wafer. International Journal of Adhesion and Adhesives, 2014, 55, 123-131.	1.4	19
138	Systematic evaluation of the biological variance within the Raman based colorectal tissue diagnostics. Journal of Biophotonics, 2016, 9, 533-541.	1.1	19
139	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
140	The rotationally resolved electronic spectrum of p-cyanophenol. Physical Chemistry Chemical Physics, 2002, 4, 4634-4639.	1.3	18
141	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
142	Structure Determination of Resorcinol Rotamers by High-Resolution UV Spectroscopy. ChemPhysChem, 2005, 6, 2129-2136.	1.0	18
143	Electronically excited states of water clusters of 7-azaindole: Structures, relative energies, and electronic nature of the excited states. Journal of Chemical Physics, 2008, 128, 214310.	1.2	18
144	Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. Chemical Physics Letters, 2010, 492, 157-163.	1.2	18

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145	How and Why Do Transition Dipole Moment Orientations Depend on Conformer Structure?. Journal of Physical Chemistry A, 2011, 115, 9612-9619.	1.1	18
146	Ruthenium dye functionalized gold nanoparticles and their spectral responses. RSC Advances, 2012, 2, 4463.	1.7	18
147	Method to analyse energy and intensity dependent photo-curing of acrylic esters in bulk. RSC Advances, 2015, 5, 67284-67298.	1.7	18
148	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
149	Comparing Raman and fluorescence lifetime spectroscopy from human atherosclerotic lesions using a bimodal probe. Journal of Biophotonics, 2016, 9, 958-966.	1.1	18
150	Influence of perfluoroalkyl-chains on the surface properties of 1-methylimidazolium bis(trifluoromethanesulfonyl)imide ionic liquids. Journal of Molecular Liquids, 2016, 216, 246-258.	2.3	18
151	Synthesis and solution stability of water-soluble Îº²N,Îº¹O-bis(3,5-dimethylpyrazolyl)ethanol manganese(<scp>i</scp>) tricarbonyl bromide (CORM-ONN1). Dalton Transactions, 2017, 46, 1684-1693.	1.6	18
152	Do You Get What You See? Understanding Molecular Selfâ€Healing. Chemistry - A European Journal, 2018, 24, 2493-2502.	1.7	18
153	Low frequency backbone vibrations of individual conformational isomers: Tryptamine. Journal of Chemical Physics, 2006, 125, 144303.	1.2	17
154	Protein-Induced Excited-State Dynamics of Protochlorophyllide. Journal of Physical Chemistry A, 2011, 115, 7873-7881.	1.1	17
155	Raman Spectroscopic Imaging for the Realâ€Time Detection of Chemical Changes Associated with Docetaxel Exposure. ChemPhysChem, 2013, 14, 550-553.	1.0	17
156	Elucidation of the COâ€Release Kinetics of CORMâ€A1 by Means of Vibrational Spectroscopy. ChemPhysChem, 2016, 17, 985-993.	1.0	17
157	On the Additivity of Molecular Fragment Dipole Moments of 5â€Substituted Indole Derivatives. ChemPhysChem, 2016, 17, 2736-2743.	1.0	16
158	ZnO nanoparticles as polymerisation photo-initiator: Levulinic acid/NaOH content variation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 189-194.	2.3	16
159	Frontâ€Endâ€ofâ€Line Integration of Graphene Oxide for Grapheneâ€Based Electrical Platforms. Advanced Materials Technologies, 2018, 3, 1700318.	3.0	16
160	Rotationally resolved electronic spectroscopy of water clusters of 7-azaindole. Journal of Chemical Physics, 2008, 128, 214311.	1.2	15
161	New Method for Realâ€time Monitoring of Photopolymerization by UVâ€“Vis Spectroscopy. Macromolecular Chemistry and Physics, 2011, 212, 1276-1283.	1.1	15
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