

Michael Schmitt

List of Publications by Year in descending order

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277
papers

11,429
citations

26567

56
h-index

42291

92
g-index

285
all docs

285
docs citations

285
times ranked

11066
citing authors

#	ARTICLE	IF	CITATIONS
1	Intraoperative multimodal imaging. , 2022, , 561-581.		1
2	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
3	Simultaneous Infrared Spectroscopy, Raman Spectroscopy, and Luminescence Sensing: A Multispectroscopic Analytical Platform. ACS Measurement Science Au, 2022, 2, 157-166.	1.9	6
4	Boosting Efficiency in Light-Driven Water Splitting by Dynamic Irradiation through Synchronizing Reaction and Transport Processes**. ChemSusChem, 2022, 15, .	3.6	8
5	Synthesis and Characterization of Metallopolymer Networks Featuring Triple Shape-Memory Ability Based on Different Reversible Metal Complexes. Polymers, 2022, 14, 1833.	2.0	2
6	Multimodal optical coherence tomography, Raman spectroscopy and IR fundus imaging for in vivo retinal imaging. , 2022, , .		0
7	Shape-Memory Metallopolymers Based on Two Orthogonal Metal-Ligand Interactions. Advanced Materials, 2021, 33, e2006655.	11.1	31
8	Characterization of a library of vitamin A-functionalized polymethacrylate-based nanoparticles for siRNA delivery. Polymer Chemistry, 2021, 12, 911-925.	1.9	5
9	FLIM data analysis based on Laguerre polynomial decomposition and machine-learning. Journal of Biomedical Optics, 2021, 26, .	1.4	3
10	Computational tissue staining of non-linear multimodal imaging using supervised and unsupervised deep learning. Biomedical Optics Express, 2021, 12, 2280.	1.5	23
11	In vivo coherent anti-Stokes Raman scattering microscopy reveals vitamin A distribution in the liver. Journal of Biophotonics, 2021, 14, e202100040.	1.1	3
12	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
13	Ultra-compact tunable fiber laser for coherent anti-Stokes Raman imaging. Journal of Raman Spectroscopy, 2021, 52, 1561-1568.	1.2	6
14	Multimodal Molecular Imaging and Identification of Bacterial Toxins Causing Mushroom Soft Rot and Cavity Disease. ChemBioChem, 2021, 22, 2901-2907.	1.3	11
15	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
16	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
17	A polyne 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
18	A Study in Red: The Overlooked Role of Azo-Moieties in Polymeric Carbon Nitride Photocatalysts with Strongly Extended Optical Absorption. Chemistry - A European Journal, 2021, 27, 17188-17202.	1.7	4

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19	In-depth characterization of self-healing polymers based on π - π interactions. Beilstein Journal of Organic Chemistry, 2021, 17, 2496-2504.	1.3	7
20	Dual crosslinked metallopolymers using orthogonal metal complexes as rewritable shape-memory polymers. Journal of Materials Chemistry A, 2021, 9, 15051-15058.	5.2	9
21	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
22	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
23	Novel Biobased Self-Healing Ionomers Derived from Itaconic Acid Derivates. Macromolecular Rapid Communications, 2021, 42, 2000636.	2.0	6
24	Biochemical Characterization of Mouse Retina of an Alzheimer's Disease Model by Raman Spectroscopy. ACS Chemical Neuroscience, 2020, 11, 3301-3308.	1.7	15
25	Imaging the invisible: Bioorthogonal Raman probes for imaging of cells and tissues. Journal of Biophotonics, 2020, 13, e202000129.	1.1	32
26	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
27	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
28	PC 2D-COS: A Principal Component Base Approach to Two-Dimensional Correlation Spectroscopy. Applied Spectroscopy, 2020, 74, 460-472.	1.2	8
29	1. Theoretical principles of Raman spectroscopy. , 2020, , 1-14.		1
30	Nonlinear Multimodal Imaging Characteristics of Early Septic Liver Injury in a Mouse Model of Peritonitis. Analytical Chemistry, 2019, 91, 11116-11121.	3.2	13
31	Multimodal Nonlinear Microscopy for Therapy Monitoring of Cold Atmospheric Plasma Treatment. Micromachines, 2019, 10, 564.	1.4	5
32	Theoretical principles of Raman spectroscopy. Physical Sciences Reviews, 2019, 4, .	0.8	17
33	Shape-Memory Metallopolymer Networks Based on a Triazole-Pyridine Ligand. Polymers, 2019, 11, 1889.	2.0	7
34	CARS-imaging guidance for fs-laser ablation precision surgery. Analyst, The, 2019, 144, 7310-7317.	1.7	9
35	Automatic label-free detection of breast cancer using nonlinear multimodal imaging and the convolutional neural network ResNet50. Translational Biophotonics, 2019, 1, e201900003.	1.4	26
36	Nonresonant Raman spectroscopy of isolated human retina samples complying with laser safety regulations for in vivo measurements. Neurophotonics, 2019, 6, 1.	1.7	17

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37	Semantic Segmentation of Non-linear Multimodal Images for Disease Grading of Inflammatory Bowel Disease: A SegNet-based Application. , 2019, , .		7
38	Introduction to the Fundamentals of Raman Spectroscopy. Springer Series in Surface Sciences, 2018, , 47-68.	0.3	4
39	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
40	Urethanes as reversible covalent moieties in self-healing polymers. European Polymer Journal, 2018, 104, 45-50.	2.6	21
41	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
42	Investigation of Microalgal Carotenoid Content Using Coherent Anti-Stokes Raman Scattering (CARS) Microscopy and Spontaneous Raman Spectroscopy. ChemPhysChem, 2018, 19, 1048-1055.	1.0	9
43	Do You Get What You See? Understanding Molecular Self-Healing. Chemistry - A European Journal, 2018, 24, 2493-2502.	1.7	18
44	Acetoxymethyl Concept for Intracellular Administration of Carbon Monoxide with Mn(CO) ₃ -Based PhotoCORMs. Chemistry - A European Journal, 2018, 24, 3321-3329.	1.7	11
45	Remendable polymers via reversible Diels-Alder cycloaddition of anthracene-containing copolymers with fullerenes. Journal of Applied Polymer Science, 2018, 135, 45916.	1.3	15
46	Palladium-SCS Pincer Complexes as Cross-Linking Moieties in Self-Healing Metallopolymers. Macromolecular Rapid Communications, 2018, 39, e1800495.	2.0	9
47	Invited Article: Comparison of hyperspectral coherent Raman scattering microscopies for biomedical applications. APL Photonics, 2018, 3, 092404.	3.0	9
48	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
49	Synthesis and solution stability of water-soluble N_2O -bis(3,5-dimethylpyrazolyl)ethanol manganese tricarboxyl bromide (CORM-ONN1). Dalton Transactions, 2017, 46, 1684-1693.	1.6	18
50	Increased stability in self-healing polymer networks based on reversible Michael addition reactions. Journal of Applied Polymer Science, 2017, 134, .	1.3	21
51	All-fiber optical parametric oscillator for bio-medical imaging applications. , 2017, , .		3
52	Real-time Raman and SRS imaging of living human macrophages reveals cell-to-cell heterogeneity and dynamics of lipid uptake. Journal of Biophotonics, 2017, 10, 1217-1226.	1.1	38
53	Polymeric Halogen-Bond-Based Donor Systems Showing Self-Healing Behavior in Thin Films. Angewandte Chemie - International Edition, 2017, 56, 4047-4051.	7.2	79
54	Non-linear multimodal imaging for disease diagnostics and treatment monitoring. , 2017, , .		1

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55	Self-healing Functional Polymers: Optical Property Recovery of Conjugated Polymer Films by Uncatalyzed Imine Metathesis. <i>Macromolecules</i> , 2017, 50, 3789-3795.	2.2	26
56	A Water-Soluble Mn(CO) ₃ -Based and Non-Toxic PhotoCORM for Administration of Carbon Monoxide Inside of Cells. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2057-2062.	0.6	10
57	Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. <i>NPG Asia Materials</i> , 2017, 9, e420-e420.	3.8	97
58	Polymerbasierte Halogenbrückendonoren mit selbstheilenden Eigenschaften in Filmen. <i>Angewandte Chemie</i> , 2017, 129, 4105-4110.	1.6	14
59	Multiplex coherent anti-Stokes Raman scattering microspectroscopy of brain tissue with higher ranking data classification for biomedical imaging. <i>Journal of Biomedical Optics</i> , 2017, 22, 066005.	1.4	13
60	Markerfreie molekulare Bildgebung biologischer Zellen und Gewebe durch lineare und nichtlineare Raman-spektroskopische Ansätze. <i>Angewandte Chemie</i> , 2017, 129, 4458-4500.	1.6	8
61	Label-Free Molecular Imaging of Biological Cells and Tissues by Linear and Nonlinear Raman Spectroscopic Approaches. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4392-4430.	7.2	177
62	Fully automated all-fiber widely-tunable optical-parametric-oscillator laser system. , 2017, , .		0
63	Endoscopic fiber probe for nonlinear spectroscopic imaging. <i>Optica</i> , 2017, 4, 496.	4.8	78
64	Dual-focus coherent anti-Stokes Raman scattering microscopy using a compact two-beam fiber laser source. <i>Optics Letters</i> , 2017, 42, 183.	1.7	4
65	Widely tunable, fully automated, all-fiber dual-color laser system for stimulated Raman imaging. , 2017, , .		0
66	Light sheet Raman micro-spectroscopy. <i>Optica</i> , 2016, 3, 452.	4.8	45
67	Multimodal nonlinear microscopy of biopsy specimen: towards intraoperative diagnostics (Conference Presentation). , 2016, , .		0
68	Comparing Raman and fluorescence lifetime spectroscopy from human atherosclerotic lesions using a bimodal probe. <i>Journal of Biophotonics</i> , 2016, 9, 958-966.	1.1	18
69	Multimodal nonlinear microscopy of head and neck carcinoma " toward surgery assisting frozen section analysis. <i>Head and Neck</i> , 2016, 38, 1545-1552.	0.9	40
70	Beyond endoscopic assessment in inflammatory bowel disease: real-time histology of disease activity by non-linear multimodal imaging. <i>Scientific Reports</i> , 2016, 6, 29239.	1.6	46
71	Self-Healing Polymer Networks Based on Reversible Michael Addition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2541-2550.	1.1	45
72	Systematic evaluation of the biological variance within the Raman based colorectal tissue diagnostics. <i>Journal of Biophotonics</i> , 2016, 9, 533-541.	1.1	19

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73	Hepatic Vitamin A Content Investigation Using Coherent Anti-Stokes Raman Scattering Microscopy. <i>ChemPhysChem</i> , 2016, 17, 4043-4051.	1.0	8
74	Pseudo-HE images derived from CARS/TPEF/SHG multimodal imaging in combination with Raman-spectroscopy as a pathological screening tool. <i>BMC Cancer</i> , 2016, 16, 534.	1.1	66
75	Elucidation of the CO ₂ Release Kinetics of CORM-1 by Means of Vibrational Spectroscopy. <i>ChemPhysChem</i> , 2016, 17, 985-993.	1.0	17
76	Molecular self-healing mechanisms between C ₆₀ -fullerene and anthracene unveiled by Raman and two-dimensional correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17973-17982.	1.3	14
77	Raman imaging of changes in the polysaccharides distribution in the cell wall during apple fruit development and senescence. <i>Planta</i> , 2016, 243, 935-945.	1.6	101
78	CORM-EDE1: A Highly Water-Soluble and Nontoxic Manganese-Based photoCORM with a Biogenic Ligand Sphere. <i>Inorganic Chemistry</i> , 2016, 55, 104-113.	1.9	39
79	Fiber probe for nonlinear imaging applications. <i>Journal of Biophotonics</i> , 2016, 9, 138-143.	1.1	23
80	Four-wave mixing based light sources for real-world biomedical applications of coherent Raman microscopy. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
81	Developments in spontaneous and coherent Raman scattering microscopic imaging for biomedical applications. <i>Chemical Society Reviews</i> , 2016, 45, 1819-1849.	18.7	151
82	Fiber-based light sources for biomedical applications of coherent anti-Stokes Raman scattering microscopy. <i>Laser and Photonics Reviews</i> , 2015, 9, 435-451.	4.4	61
83	Bessel beam CARS of axially structured samples. <i>Scientific Reports</i> , 2015, 5, 10991.	1.6	10
84	Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Diels-Alder reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22587-22595.	1.3	38
85	Novel workflow for combining Raman spectroscopy and MALDI-MSI for tissue based studies. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7865-7873.	1.9	35
86	Carbon monoxide release properties and molecular structures of phenylthiolatomanganese(II) carbonyl complexes of the type [(OC) ₄ Mn(1/4-S-aryl)] ₂ . <i>Dalton Transactions</i> , 2015, 44, 3020-3033.	1.6	18
87	Combined fiber probe for fluorescence lifetime and Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8291-8301.	1.9	47
88	Multimodal Imaging Spectroscopy of Tissue. <i>Annual Review of Analytical Chemistry</i> , 2015, 8, 359-387.	2.8	55
89	Advantages and limitations of Raman spectroscopy for molecular diagnostics: an update. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 773-787.	1.5	176
90	Vibrational phase imaging in wide-field CARS for nonresonant background suppression. <i>Optics Express</i> , 2015, 23, 10756.	1.7	9

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91	Spectrometer calibration protocol for Raman spectra recorded with different excitation wavelengths. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 544-549.	2.0	55
92	Four-wave-mixing-based optical parametric oscillator delivering energetic, tunable, chirped femtosecond pulses for non-linear biomedical applications. <i>Optics Express</i> , 2015, 23, 23968.	1.7	71
93	Fiber-based dual-focus time-demultiplexed second harmonic generation microscopy. <i>Optics Letters</i> , 2015, 40, 2505.	1.7	4
94	Bessel beam coherent anti-Stokes Raman scattering microscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1773.	0.9	10
95	Multimodal nonlinear imaging of atherosclerotic plaques differentiation of triglyceride and cholesterol deposits. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 07, 1450027.	0.5	7
96	Modified bibenzimidazole ligands as spectator ligands in photoactive molecular functional Ru-polypyridine units? Implications from spectroscopy. <i>Dalton Transactions</i> , 2014, 43, 17659-17665.	1.6	6
97	Trapped in Imidazole: How to Accumulate Multiple Photoelectrons on a Blackâ€Absorbing Ruthenium Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 3793-3799.	1.7	38
98	Monitoring the chemistry of self-healing by vibrational spectroscopy â€ current state and perspectives. <i>Materials Today</i> , 2014, 17, 57-69.	8.3	57
99	Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. <i>Chemical Communications</i> , 2014, 50, 5227.	2.2	48
100	IR Spectroscopic Methods for the Investigation of the CO Release from CORMs. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5381-5390.	1.1	42
101	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. <i>Analytical Methods</i> , 2014, 6, 6711-6720.	1.3	36
102	Interpreting CARS images of tissue within the C-H-stretching region. , 2014, , .		0
103	Evidence for SERRS Enhancement in the Spectra of Ruthenium Dyeâ€Metal Nanoparticle Conjugates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1121-1129.	1.5	13
104	Deeper Understanding of Biological Tissue: Quantitative Correlation of MALDI-TOF and Raman Imaging. <i>Analytical Chemistry</i> , 2013, 85, 10829-10834.	3.2	54
105	Expanding Multimodal Microscopy by High Spectral Resolution Coherent Anti-Stokes Raman Scattering Imaging for Clinical Disease Diagnostics. <i>Analytical Chemistry</i> , 2013, 85, 6703-6715.	3.2	55
106	A compact microscope setup for multimodal nonlinear imaging in clinics and its application to disease diagnostics. <i>Analyst</i> , The, 2013, 138, 4048.	1.7	44
107	Non-invasive depth profile imaging of the stratum corneum using confocal Raman microscopy: First insights into the method. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 601-608.	1.9	49
108	Resonance Raman Spectral Imaging of Intracellular Uptake of Î²â€Carotene Loaded Poly(D, L-lactideâ€glycolide) Nanoparticles. <i>ChemPhysChem</i> , 2013, 14, 155-161.	1.0	19

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109	Raman Spectroscopic Imaging for the Real-Time Detection of Chemical Changes Associated with Docetaxel Exposure. <i>ChemPhysChem</i> , 2013, 14, 550-553.	1.0	17
110	Self-Healing Polymer Coatings Based on Crosslinked Metallosupramolecular Copolymers. <i>Advanced Materials</i> , 2013, 25, 1634-1638.	11.1	319
111	Redox State Sensitive Spectroscopy of the Model Compound [(H-dcbpy) ₂ Ru ^{II} (NCS) ₂] ²⁺ (dcbpy = Tj ETQq1 1 0.784314 mgBT/Overlap 10		
112	Multimodal nonlinear microscopic investigations on head and neck squamous cell carcinoma: Toward intraoperative imaging. <i>Head and Neck</i> , 2013, 35, E280-7.	0.9	44
113	The Many facets of Raman Spectroscopy in Biophotonics. , 2013, , .		1
114	Accumulating advantages, reducing limitations: Multimodal nonlinear imaging in biomedical sciences – The synergy of multiple contrast mechanisms. <i>Journal of Biophotonics</i> , 2013, 6, 887-904.	1.1	29
115	Response to the Comments by L. O. Björn on our Paper “Catalytic Efficiency of a Photoenzyme” An Adaptation to Natural Light Conditions” <i>ChemPhysChem</i> , 2013, 14, 2598-2600.	1.0	0
116	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. <i>Biofouling</i> , 2012, 28, 687-696.	0.8	39
117	Classification of inflammatory bowel diseases by means of Raman spectroscopic imaging of epithelium cells. <i>Journal of Biomedical Optics</i> , 2012, 17, 0760301.	1.4	68
118	Ruthenium dye functionalized gold nanoparticles and their spectral responses. <i>RSC Advances</i> , 2012, 2, 4463.	1.7	18
119	Evaluation of Colloids and Activation Agents for Determination of Melamine Using UV-SERS. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6083-6091.	1.5	34
120	Spectroscopic detection and quantification of heme and heme degradation products. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2819-2829.	1.9	29
121	Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. <i>Journal of Biomedical Optics</i> , 2012, 17, 040801.	1.4	137
122	Surface-enhanced Raman spectroscopy (SERS): progress and trends. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 27-54.	1.9	712
123	Light-Induced Dynamics in Conjugated Bis(terpyridine) Ligands – A Case Study Toward Photoactive Coordination Polymers. <i>Macromolecular Rapid Communications</i> , 2012, 33, 481-497.	2.0	29
124	Towards automated segmentation of cells and cell nuclei in nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 878-888.	1.1	27
125	Catalytic Efficiency of a Photoenzyme – An Adaptation to Natural Light Conditions. <i>ChemPhysChem</i> , 2012, 13, 2013-2015.	1.0	22
126	Synthesis and photophysics of a novel photocatalyst for hydrogen production based on a tetrapyrrodoacridine bridging ligand. <i>Chemical Physics</i> , 2012, 393, 65-73.	0.9	27

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127	Combination of Patch Clamp and Raman Spectroscopy for Single-Cell Analysis. <i>Analytical Chemistry</i> , 2011, 83, 344-350.	3.2	10
128	Protein-Induced Excited-State Dynamics of Protochlorophyllide. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7873-7881.	1.1	17
129	Excited-state annihilation in a homodinuclear ruthenium complex. <i>Chemical Communications</i> , 2011, 47, 3820.	2.2	11
130	Excited-State Dynamics of Protochlorophyllide Revealed by Subpicosecond Infrared Spectroscopy. <i>Biophysical Journal</i> , 2011, 100, 260-267.	0.2	11
131	Droplet formation via flow-through microdevices in Raman and surface enhanced Raman spectroscopy—concepts and applications. <i>Lab on A Chip</i> , 2011, 11, 3584.	3.1	66
132	Metal-Mediated Reaction Modeled on Nature: The Activation of Isothiocyanates Initiated by Zinc Thiolate Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 3223-3233.	1.9	10
133	Checking and Improving Calibration of Raman Spectra using Chemometric Approaches. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011, 225, 753-764.	1.4	68
134	Preface — The Many Facets of Raman Spectroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011, 225, 643-646.	1.4	0
135	Wavelength-dependent photoproduct formation of phycocyanobilin in solution — Indications for competing reaction pathways. <i>Chemical Physics Letters</i> , 2011, 515, 163-169.	1.2	3
136	The impact of bromine substitution on the photophysical properties of a homodinuclear Ru—tpphz—Ru complex. <i>Chemical Physics Letters</i> , 2011, 516, 45-50.	1.2	7
137	Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. <i>ChemPhysChem</i> , 2011, 12, 2101-2109.	1.0	93
138	Raman—Spektroskopie. <i>Biomedizinische Diagnostik. Chemie in Unserer Zeit</i> , 2011, 45, 14-23.	0.1	2
139	Raman spectroscopy - An essential tool for biophotonics. , 2011, , .		1
140	Probing the structure and Franck—Condon region of protochlorophyllide through analysis of the Raman and resonance Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 414-423.	1.2	6
141	Introduction to the Fundamentals of Raman Spectroscopy. <i>Springer Series in Optical Sciences</i> , 2010, , 21-42.	0.5	11
142	Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. <i>Chemical Physics Letters</i> , 2010, 492, 157-163.	1.2	18
143	Investigation on the Second Part of the Electromagnetic SERS Enhancement and Resulting Fabrication Strategies of Anisotropic Plasmonic Arrays. <i>ChemPhysChem</i> , 2010, 11, 1918-1924.	1.0	24
144	Photochemical Fate: The First Step Determines Efficiency of H ₂ Formation with a Supramolecular Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3981-3984.	7.2	162

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145	Quantitative mineral analysis using Raman spectroscopy and chemometric techniques. Journal of Raman Spectroscopy, 2010, 41, 684-689.	1.2	31
146	Investigation of substitution effects on novel Ru ^{II} -dppz complexes by Raman spectroscopy in combination with DFT methods. Journal of Raman Spectroscopy, 2010, 41, 922-932.	1.2	25
147	Raman Spectroscopic Characterization of Single Cells. , 2010, , .		0
148	Photophysics Of Protochlorophyllide. , 2010, , .		0
149	Localization Of The [sup 1]MLCT State Of Novel Ruthenium Polypyridine Complexes Via Resonance Raman Spectroscopy. , 2010, , .		0
150	Photo-induced processes in new materials for electro-optical applications. Proceedings of SPIE, 2010, , .	0.8	1
151	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
152	Substitution-controlled ultrafast excited-state processes in Ru ^{II} -dppz-derivatives. Physical Chemistry Chemical Physics, 2010, 12, 1357-1368.	1.3	62
153	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
154	A Concept to Tailor Electron Delocalization: Applying QTAIM Analysis to Phenyl ^π Terpyridine Compounds. Journal of Physical Chemistry A, 2010, 114, 13163-13174.	1.1	37
155	Derivation of Correlation Functions to Predict Bond Properties of Phenyl ^π CH Bonds Based on Vibrational and ¹ H NMR Spectroscopic Quantities. Journal of Physical Chemistry A, 2010, 114, 10287-10296.	1.1	19
156	Synthesis and characterization of regioselective substituted tetrapyrrophenazine ligands and their Ru(ii) complexes. Dalton Transactions, 2010, 39, 2359.	1.6	45
157	Continuous-wave solid-state two-Stokes Raman laser. Quantum Electronics, 2009, 39, 624-626.	0.3	13
158	Existing and future challenges of multi-dimensional microscopy and imaging for life sciences and biomedicine. , 2009, , .		0
159	Photophysics of an Intramolecular Hydrogenâ€“Evolving Ru ^{II} -Pd Photocatalyst. Chemistry - A European Journal, 2009, 15, 7678-7688.	1.7	132
160	Protochlorophyllide a: A Comprehensive Photophysical Picture. ChemPhysChem, 2009, 10, 144-150.	1.0	51
161	Synthesis, Characterization, and Electroâ€“Optical Properties of Zn ^{II} Complexes with π -Conjugated Terpyridine Ligands. ChemPhysChem, 2009, 10, 787-798.	1.0	49
162	Spectroscopic Investigation of the Ultrafast Photoinduced Dynamics in π -Conjugated Terpyridines. ChemPhysChem, 2009, 10, 910-919.	1.0	68

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163	Resonance Raman Studies of Bis(terpyridine)ruthenium(II) Amino Acid Esters and Diesters. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3119-3126.	1.0	32
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