Janina Kneipp

List of Publications by Year
in descending order

160 papers	10,442 citations	53794 45 h-index	33894 99 g-index
174 all docs	174 docs citations	174 times ranked	11568 citing authors

#	Article	IF	Citations
1	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
2	SERSâ€"a single-molecule and nanoscale tool for bioanalytics. Chemical Society Reviews, 2008, 37, 1052.	38.1	952
3	Surface-Enhanced Raman Scattering in Local Optical Fields of Silver and Gold NanoaggregatesFrom Single-Molecule Raman Spectroscopy to Ultrasensitive Probing in Live Cells. Accounts of Chemical Research, 2006, 39, 443-450.	15.6	626
4	In Vivo Molecular Probing of Cellular Compartments with Gold Nanoparticles and Nanoaggregates. Nano Letters, 2006, 6, 2225-2231.	9.1	460
5	Towards Reliable and Quantitative Surfaceâ€Enhanced Raman Scattering (SERS): From Key Parameters to Good Analytical Practice. Angewandte Chemie - International Edition, 2020, 59, 5454-5462.	13.8	324
6	One- and Two-Photon Excited Optical pH Probing for Cells Using Surface-Enhanced Raman and Hyper-Raman Nanosensors. Nano Letters, 2007, 7, 2819-2823.	9.1	305
7	Novel optical nanosensors for probing and imaging live cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 214-226.	3.3	256
8	Optical Probes for Biological Applications Based on Surface-Enhanced Raman Scattering from Indocyanine Green on Gold Nanoparticles. Analytical Chemistry, 2005, 77, 2381-2385.	6.5	248
9	Following the Dynamics of pH in Endosomes of Live Cells with SERS Nanosensors. Journal of Physical Chemistry C, 2010, 114, 7421-7426.	3.1	195
10	Quantitative Imaging of Gold and Silver Nanoparticles in Single Eukaryotic Cells by Laser Ablation ICP-MS. Analytical Chemistry, 2012, 84, 9684-9688.	6.5	191
11	Characterizing the Kinetics of Nanoparticleâ€Catalyzed Reactions by Surfaceâ€Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2012, 51, 7592-7596.	13.8	157
12	Surface-Enhanced Hyper-Raman Spectra of Adenine, Guanine, Cytosine, Thymine, and Uracil. Journal of Physical Chemistry C, 2016, 120, 15415-15423.	3.1	149
13	Optical probing and imaging of live cells using SERS labels. Journal of Raman Spectroscopy, 2009, 40, 1-5.	2.5	143
14	SERS enhancement of gold nanospheres of defined size. Journal of Raman Spectroscopy, 2011, 42, 1736-1742.	2.5	138
15	Surface-Enhanced Raman Scattering Hybrid Nanoprobe Multiplexing and Imaging in Biological Systems. ACS Nano, 2010, 4, 3259-3269.	14.6	132
16	Two-photon vibrational spectroscopy for biosciences based on surface-enhanced hyper-Raman scattering. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17149-17153.	7.1	131
17	Trends in single-cell analysis by use of ICP-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 6963-6977.	3.7	129
18	Chemical Characterization and Classification of Pollen. Analytical Chemistry, 2008, 80, 9551-9556.	6.5	109

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19	Detection of pathological molecular alterations in scrapie-infected hamster brain by Fourier transform infrared (FT-IR) spectroscopy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1501, 189-199.	3.8	103
20	SERS Probing of Proteins in Gold Nanoparticle Agglomerates. Frontiers in Chemistry, 2019, 7, 30.	3.6	100
21	Toxicity of amorphous silica nanoparticles on eukaryotic cell model is determined by particle agglomeration and serum protein adsorption effects. Analytical and Bioanalytical Chemistry, 2011, 400, 1367-1373.	3.7	98
22	SERS reveals the specific interaction of silver and gold nanoparticles with hemoglobin and red blood cell components. Physical Chemistry Chemical Physics, 2013, 15, 5364.	2.8	89
23	Characterization of Pollen Carotenoids with in situ and High-Performance Thin-Layer Chromatography Supported Resonant Raman Spectroscopy. Analytical Chemistry, 2009, 81, 8426-8433.	6.5	85
24	Nanomaterials in complex biological systems: insights from Raman spectroscopy. Chemical Society Reviews, 2012, 41, 5780.	38.1	83
25	Characterisation of silica nanoparticles prior to in vitro studies: from primary particles to agglomerates. Journal of Nanoparticle Research, 2011, 13, 1593-1604.	1.9	81
26	FTIR-microspectroscopy of prion-infected nervous tissue. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 948-959.	2.6	77
27	Gold Nanolenses Generated by Laser Ablation-Efficient Enhancing Structure for Surface Enhanced Raman Scattering Analytics and Sensing. Analytical Chemistry, 2008, 80, 4247-4251.	6.5	77
28	Characterization of breast duct epithelia: a Raman spectroscopic study. Vibrational Spectroscopy, 2003, 32, 67-74.	2.2	74
29	In situ identification of protein structural changes in prion-infected tissue. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1639, 152-158.	3.8	72
30	Surface-Enhanced Raman Optical Activity on Adenine in Silver Colloidal Solution. Analytical Chemistry, 2006, 78, 1363-1366.	6.5	72
31	Molecular Changes of Preclinical Scrapie Can Be Detected by Infrared Spectroscopy. Journal of Neuroscience, 2002, 22, 2989-2997.	3.6	70
32	Iodine as an elemental marker for imaging of single cells and tissue sections by laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 2160.	3.0	69
33	Interrogating Cells, Tissues, and Live Animals with New Generations of Surface-Enhanced Raman Scattering Probes and Labels. ACS Nano, 2017, 11, 1136-1141.	14.6	69
34	Surface Enhanced Hyper-Raman Scattering of the Amino Acids Tryptophan, Histidine, Phenylalanine, and Tyrosine. Journal of Physical Chemistry C, 2017, 121, 1235-1242.	3.1	65
35	Different binding sites of serum albumins in the protein corona of gold nanoparticles. Analyst, The, 2018, 143, 6061-6068.	3.5	62
36	Relating surface-enhanced Raman scattering signals of cells to gold nanoparticle aggregation as determined by LA-ICP-MS micromapping. Analytical and Bioanalytical Chemistry, 2014, 406, 7003-7014.	3.7	61

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37	Near-Infrared-Emitting Nanoparticles for Lifetime-Based Multiplexed Analysis and Imaging of Living Cells. ACS Nano, 2013, 7, 6674-6684.	14.6	60
38	Placement of Single Proteins within the SERS Hot Spots of Selfâ€Assembled Silver Nanolenses. Angewandte Chemie - International Edition, 2018, 57, 7444-7447.	13.8	58
39	Surface enhanced hyper Raman scattering (SEHRS) and its applications. Chemical Society Reviews, 2017, 46, 3980-3999.	38.1	57
40	Role of Metal Cations in Plasmon-Catalyzed Oxidation: A Case Study of <i>p</i>-Aminothiophenol Dimerization. ACS Catalysis, 2017, 7, 7803-7809.	11.2	57
41	Raman microspectroscopy for microbiology. Nature Reviews Methods Primers, 2021, 1, .	21.2	57
42	Surface-enhanced Raman scattering: a new optical probe in molecular biophysics and biomedicine. Theoretical Chemistry Accounts, 2010, 125, 319-327.	1.4	56
43	Specific biomolecule corona is associated with ring-shaped organization of silver nanoparticles in cells. Nanoscale, 2013, 5, 9193.	5.6	49
44	In situ Characterization of SiO₂ Nanoparticle Biointeractions Using BrightSilica. Advanced Functional Materials, 2014, 24, 3765-3775.	14.9	48
45	Combined near-infrared excited SEHRS and SERS spectra of pH sensors using silver nanostructures. Physical Chemistry Chemical Physics, 2015, 17, 26093-26100.	2.8	48
46	Gold Nanolenses Self-Assembled by DNA Origami. ACS Photonics, 2017, 4, 1123-1130.	6.6	48
47	Identification of aqueous pollen extracts using surface enhanced Raman scattering (SERS) and pattern recognition methods. Journal of Biophotonics, 2016, 9, 181-189.	2.3	43
48	Size Dependence of Electrical Conductivity and Thermoelectric Enhancements in Spinâ€Coated PEDOT:PSS Single and Multiple Layers. Advanced Electronic Materials, 2017, 3, 1600473.	5.1	42
49	Monitoring of plantâ€"environment interactions by highâ€throughput <scp>FTIR</scp> spectroscopy of pollen. Methods in Ecology and Evolution, 2017, 8, 870-880.	5.2	42
50	Oil palm land conversion in ParÃ¡, Brazil, from 2006â€"2014: evaluating the 2010 Brazilian Sustainable Palm Oil Production Program. Environmental Research Letters, 2018, 13, 034037.	5.2	42
51	Surface-Enhanced Hyper Raman Spectra of Aromatic Thiols on Gold and Silver Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 6233-6241.	3.1	42
52	Cellulose hydrogels physically crosslinked by glycine: Synthesis, characterization, thermal and mechanical properties. Journal of Applied Polymer Science, 2020, 137, 48380.	2.6	41
53	Catalysis by Metal Nanoparticles in a Plug-In Optofluidic Platform: Redox Reactions of <i>p-</i>Nitrobenzenethiol and <i>p-</i>Aminothiophenol. ACS Catalysis, 2018, 8, 2443-2449.	11.2	40
54	Surface-enhanced Raman scattering on aluminum using near infrared and visible excitation. Chemical Communications, 2014, 50, 3744-3746.	4.1	38

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55	Dynamics of Allostery in Hemoglobin: Roles of the Penultimate Tyrosine H bonds. Journal of Molecular Biology, 2006, 356, 335-353.	4.2	37
56	Simultaneous UV/Vis spectroscopy and surface enhanced Raman scattering of nanoparticle formation and aggregation in levitated droplets. Analytical Methods, 2012, 4, 1252.	2.7	37
57	Probing plasmonic nanostructures by photons and electrons. Chemical Science, 2015, 6, 2721-2726.	7.4	37
58	Combined Synchrotron XRD/Raman Measurements: <i>In Situ</i> Identification of Polymorphic Transitions during Crystallization Processes. Langmuir, 2010, 26, 11233-11237.	3.5	35
59	Gap Size Reduction and Increased SERS Enhancement in Lithographically Patterned Nanoparticle Arrays by Templated Growth. Advanced Optical Materials, 2013, 1, 313-318.	7.3	34
60	SERS and Cryo-EM Directly Reveal Different Liposome Structures during Interaction with Gold Nanoparticles. Journal of Physical Chemistry Letters, 2018, 9, 6767-6772.	4.6	33
61	Chemical Mapping of <i>Leishmania</i> Infection in Live Cells by SERS Microscopy. Analytical Chemistry, 2018, 90, 8154-8161.	6.5	33
62	Gold Nanostructures for Plasmonic Enhancement of Hyper-Raman Scattering. Journal of Physical Chemistry C, 2018, 122, 2931-2940.	3.1	32
63	Raman Imaging of Plant Cell Walls in Sections of Cucumis sativus. Plants, 2018, 7, 7.	3.5	32
64	Nanosensors Based on SERS for Applications in Living Cells. , 2006, , 335-349.		31
65	Nanoscopic Properties and Application of Mix-and-Match Plasmonic Surfaces for Microscopic SERS. Journal of Physical Chemistry C, 2012, 116, 6859-6865.	3.1	31
66	Properties of in situ generated gold nanoparticles in the cellular context. Nanoscale, 2017, 9, 11647-11656.	5.6	31
67	Mapping the Inhomogeneity in Plasmonic Catalysis on Supported Gold Nanoparticles Using Surface-Enhanced Raman Scattering Microspectroscopy. Analytical Chemistry, 2018, 90, 9199-9205.	6.5	31
68	Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells. ACS Nano, 2019, 13, 9363-9375.	14.6	31
69	Surface-enhanced Raman spectroscopy for the analysis of smokeless gunpowders and macroscopic gunshot residues. Analytical and Bioanalytical Chemistry, 2016, 408, 4965-4973.	3.7	30
70	In Situ Complementary Doping, Thermoelectric Improvements, and Strain-Induced Structure within Alternating PEDOT:PSS/PANI Layers. ACS Applied Materials & Interfaces, 2017, 9, 33308-33316.	8.0	30
71	Biomolecular environment, quantification, and intracellular interaction of multifunctional magnetic SERS nanoprobes. Analyst, The, 2016, 141, 5096-5106.	3.5	29
72	Fragmentation of Proteins in the Corona of Gold Nanoparticles As Observed in Live Cell Surface-Enhanced Raman Scattering. Analytical Chemistry, 2020, 92, 8553-8560.	6.5	29

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73	Surface-enhanced hyper Raman hyperspectral imaging and probing in animal cells. Nanoscale, 2017, 9, 8024-8032.	5.6	28
74	Formation of root silica aggregates in sorghum is an active process of the endodermis. Journal of Experimental Botany, 2020, 71, 6807-6817.	4.8	28
75	Longâ€Term Stable Silver Subsurface Ionâ€Exchanged Glasses for SERS Applications. ChemPhysChem, 2011, 12, 1683-1688.	2.1	26
76	Molecular changes during pollen germination can be monitored by Raman microspectroscopy. Journal of Biophotonics, 2010, 3, 542-547.	2.3	23
77	Surface-enhanced hyper-Raman and Raman hyperspectral mapping. Physical Chemistry Chemical Physics, 2016, 18, 14228-14233.	2.8	23
78	Surface-Enhanced Raman and Surface-Enhanced Hyper-Raman Scattering of Thiol-Functionalized Carotene. Journal of Physical Chemistry C, 2016, 120, 20702-20709.	3.1	23
79	Goldâ€•and Silverâ€Coated Barium Titanate Nanocomposites as Probes for Twoâ€Photon Multimodal Microspectroscopy. Advanced Functional Materials, 2019, 29, 1904289.	14.9	22
80	Surface-enhanced Raman scattering with silver nanostructures generated in situ in a sporopollenin biopolymer matrix. Chemical Communications, 2011, 47, 3236.	4.1	21
81	Magnetic separation and SERS observation of analyte molecules on bifunctional silver/iron oxide composite nanostructures. Journal of Raman Spectroscopy, 2012, 43, 1204-1207.	2.5	20
82	Intracellular optical probing with gold nanostars. Nanoscale, 2021, 13, 968-979.	5.6	20
83	Surface enhanced Raman scattering for probing cellular biochemistry. Nanoscale, 2022, 14, 5314-5328.	5.6	20
84	Scrapie-infected cells, isolated prions, and recombinant prion protein: A comparative study. Biopolymers, 2004, 74, 163-167.	2.4	19
85	Electron Energy Loss and One- and Two-Photon Excited SERS Probing of â€œHotâ€•Plasmonic Silver Nanoaggregates. Plasmonics, 2013, 8, 763-767.	3.4	18
86	Insight into plant cell wall chemistry and structure by combination of multiphoton microscopy with Raman imaging. Journal of Biophotonics, 2018, 11, e201700164.	2.3	18
87	Spectroscopic Discrimination of Sorghum Silica Phytoliths. Frontiers in Plant Science, 2019, 10, 1571.	3.6	18
88	Combining Chemical Information From Grass Pollen in Multimodal Characterization. Frontiers in Plant Science, 2019, 10, 1788.	3.6	18
89	Templated green synthesis of plasmonic silver nanoparticles in onion epidermal cells suitable for surface-enhanced Raman and hyper-Raman scattering. Beilstein Journal of Nanotechnology, 2016, 7, 834-840.	2.8	17
90	Amorphous Carbon Generation as a Photocatalytic Reaction on DNA-Assembled Gold and Silver Nanostructures. Molecules, 2019, 24, 2324.	3.8	17

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91	Relating the composition and interface interactions in the hard corona of gold nanoparticles to the induced response mechanisms in living cells. Nanoscale, 2020, 12, 17450-17461.	5.6	17
92	In situ surface-enhanced Raman scattering shows ligand-enhanced hot electron harvesting on silver, gold, and copper nanoparticles. Journal of Catalysis, 2020, 383, 153-159.	6.2	16
93	Discrimination of grass pollen of different species by FTIR spectroscopy of individual pollen grains. Analytical and Bioanalytical Chemistry, 2020, 412, 6459-6474.	3.7	16
94	Specific Interaction of Tricyclic Antidepressants with Gold and Silver Nanostructures as Revealed by Combined One- and Two-Photon Vibrational Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 22958-22968.	3.1	15
95	Vibrational sum-frequency generation spectroscopy of lipid bilayers at repetition rates up to 100 kHz. Journal of Chemical Physics, 2018, 148, 104702.	3.0	15
96	FTIR Nanospectroscopy Shows Molecular Structures of Plant Biominerals and Cell Walls. Analytical Chemistry, 2020, 92, 13694-13701.	6.5	15
97	Molecular Structure and Interactions of Lipids in the Outer Membrane of Living Cells Based on Surface-Enhanced Raman Scattering and Liposome Models. Analytical Chemistry, 2021, 93, 10106-10113.	6.5	15
98	Gold nanoisland substrates for SERS characterization of cultured cells. Biomedical Optics Express, 2019, 10, 6172.	2.9	15
99	Physiological influence of silica on germinating pollen as shown by Raman spectroscopy. Journal of Biophotonics, 2017, 10, 542-552.	2.3	14
100	X-ray tomography shows the varying three-dimensional morphology of gold nanoaggregates in the cellular ultrastructure. Nanoscale Advances, 2019, 1, 2937-2945.	4.6	14
101	Influence of Nuclear Localization Sequences on the Intracellular Fate of Gold Nanoparticles. ACS Nano, 2021, 15, 14838-14849.	14.6	14
102	Intracellular SERS hybrid probes using BSAâ€“reporter conjugates. Analytical and Bioanalytical Chemistry, 2013, 405, 6209-6222.	3.7	13
103	Matrix-assisted laser desorption/ionization mass spectrometric investigation of pollen and their classification by multivariate statistics. Rapid Communications in Mass Spectrometry, 2012, 26, 1032-1038.	1.5	11
104	Mass spectrometric approach for the analysis of the hard protein corona of nanoparticles in living cells. Journal of Proteomics, 2020, 212, 103582.	2.4	11
105	Time-Resolved Resonance Raman Study of HbA with 220 nm Excitation:Â Probing Phenylalanine. Journal of Physical Chemistry B, 2004, 108, 15919-15927.	2.6	9
106	SERS and Multiphotonâ€Induced Luminescence of Gold Microâ€and Nanostructures Fabricated by NIR Femtosecondâ€Laser Irradiation. ChemPhysChem, 2008, 9, 2163-2167.	2.1	9
107	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) shows adaptation of grass pollen composition. Scientific Reports, 2018, 8, 16591.	3.3	9
108	Taxonomic relationships of pollens from matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry data using multivariate statistics. Rapid Communications in Mass Spectrometry, 2015, 29, 1145-1154.	1.5	8

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109	Ligand-Supported Hot Electron Harvesting: Revisiting the pH-Responsive Surface-Enhanced Raman Scattering Spectrum of p-Aminothiophenol. Journal of Physical Chemistry Letters, 2021, 12, 1542-1547.	4.6	8
110	Surface Molecular Patterning by Plasmon-Catalyzed Reactions. ACS Applied Materials & Interfaces, 2021, 13, 43708-43714.	8.0	8
111	Interpreting Several Types of Measurements in Bioscience. , 0, , 333-356.		7
112	Vibrational Spectroscopy in Microbiology and Medical Diagnostics. , 0, , 1-8.		7
113	High-resolution and high-repetition-rate vibrational sum-frequency generation spectroscopy of one- and two-component phosphatidylcholine monolayers. Analytical and Bioanalytical Chemistry, 2019, 411, 4861-4871.	3.7	7
114	Porous MgF₂-over-gold nanoparticles (MON) as plasmonic substrate for analytical applications. RSC Advances, 2016, 6, 71557-71566.	3.6	6
115	Simplifying the Preparation of Pollen Grains for MALDI-TOF MS Classification. International Journal of Molecular Sciences, 2017, 18, 543.	4.1	6
116	Multivariate Analysis of MALDI Imaging Mass Spectrometry Data of Mixtures of Single Pollen Grains. Journal of the American Society for Mass Spectrometry, 2018, 29, 2237-2247.	2.8	6
117	Plasmon Enhanced Twoâ€Photon Probing with Gold and Silver Nanovoid Structures. Advanced Optical Materials, 2019, 7, 1900650.	7.3	6
118	Probing the Intracellular Bio-Nano Interface in Different Cell Lines with Gold Nanostars. Nanomaterials, 2021, 11, 1183.	4.1	6
119	Multivariate Raman mapping for phenotypic characterization in plant tissue sections. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119418.	3.9	6
120	SUB-100-Nanometer Infrared Spectroscopy and Imaging Based on a Near-Field Photothermal Technique (â€œPTIRâ€). , 0, , 291-313.		5
121	Infrared Spectroscopy of Biofluids in Clinical Chemistry and Medical Diagnostics. , 0, , 79-103.		4
122	Surface enhanced Raman scattering on Tardigrada â€“ towards monitoring and imaging molecular structures in live cryptobiotic organisms. Journal of Biophotonics, 2013, 6, 759-764.	2.3	4
123	Platzierung einzelner Proteine in den SERSâ€Hotâ€Spots selbstorganisierter Silbernanolinsen. Angewandte Chemie, 2018, 130, 7566-7569.	2.0	4
124	Auf dem Weg zur verlÃsslichen und quantitativen SERSâ€Spektroskopie: von SchlÃ¼sselparametern zur guten analytischen Praxis. Angewandte Chemie, 2020, 132, 5496-5505.	2.0	4
125	Interplay of Univariate and Multivariate Analysis in Vibrational Microscopic Imaging of Mineralized Tissue and Skin. , 0, , 357-378.		3
126	Biomedical Applications of Infrared Microspectroscopy and Imaging by Various Means. , 0, , 39-78.		3

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127	Biomedical Vibrational Spectroscopyâ€" Technical Advances. , 0, , 9-37.		3
128	Optical properties of silver nanocube surfaces obtained by silane immobilization. Nanospectroscopy, 2015, 1, .	0.7	3
129	Raman spectroscopy as a tool for the collection management of microscope slides. Zoologischer Anzeiger, 2016, 265, 178-190.	0.9	3
130	Bioâ€probing with nonresonant surfaceâ€enhanced hyperâ€Raman scattering excited at 1,550 nm. Journal of Raman Spectroscopy, 2021, 52, 394-403.	2.5	3
131	Plasmonics for Enhanced Vibrational Signatures. Challenges and Advances in Computational Chemistry and Physics, 2013, , 103-124.	0.6	3
132	Multimodal Imaging of Silicified Sorghum Leaves. Analysis & Sensing, 0, , .	2.0	3
133	Surface-Enhanced Raman Spectroscopy-Based Optical Labels Deliver Chemical Information from Live Cells. ACS Symposium Series, 2007, , 186-199.	0.5	2
134	From Study Design to Data Analysis. , 0, , 315-332.		2
135	Coherent Anti-Stokes Raman Scattering (CARS) Microscopy. , 0, , 209-220.		2
136	Excitation Conditions for Surface-Enhanced Hyper Raman Scattering With Biocompatible Gold Nanosubstrates. Frontiers in Chemistry, 2021, 9, 680905.	3.6	2
137	Applications of Raman and Surface-Enhanced Raman Scattering to the Analysis of Eukaryotic Samples. Biological and Medical Physics Series, 2010, , 71-95.	0.4	2
138	Nano-bio interactions as characterized by SERS: The interaction of liposomes with gold nanostructures is highly dependent on lipid composition and charge. , 2019, , .		2
139	Prion structure investigated in situ , ex vivo , and in vitro by FTIR spectroscopy. , 2004, , .		1
140	Resonant Raman Scattering of Heme Molecules in Cells and in the Solid State. , 0, , 181-208.		1
141	Combining Optical Coherence Tomography and Raman Spectroscopy for Investigating Dental and Other Mineralized Tissues. , 0, , 263-290.		1
142	Resonance Raman Microspectroscopy and Imaging of Hemoproteins in Single Leukocytes. , 0, , 153-179.		1
143	Lifetime-based discrimination between spectrally matching vis and NIR emitting particle labels and probes. Proceedings of SPIE, 2011, , .	0.8	1
144	Electric field effects on donorâ€"acceptor dyes: A model compound study using UV/vis absorption and Raman spectroscopy. Chemical Physics Letters, 2014, 592, 1-6.	2.6	1

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145	Report on KOSMOS Summer University at the School of Analytical Sciences Adlershof (Berlin): limits and scales in analytical sciences. Analytical and Bioanalytical Chemistry, 2015, 407, 4869-4872.	3.7	1
146	Characterization of the Interaction of Liposomes and Gold Nanoparticles using Surface Enhanced Raman Scattering. Biophysical Journal, 2018, 114, 389a-390a.	0.5	1
147	Characterization of Lipids in Leishmania Infected Cells by SERS Microscopy. Biophysical Journal, 2019, 116, 565a.	0.5	1
148	pH-Dependent Flavin Adenine Dinucleotide and Nicotinamide Adenine Dinucleotide Ultraviolet Resonance Raman (UVRR) Spectra at Intracellular Concentration. Applied Spectroscopy, 2021, 75, 994-1002.	2.2	1
149	SERS for sensing and imaging in live cells. , 2022, , 303-325.		1
150	Nanosensors Based on SERS for Applications in Living Cells. , 2006, , 335-350.		1
151	<title>In-situ spectroscopic investigation of transmissible spongiform encephalopathies: application of Fourier-transform infrared spectroscopy to a scrapie-hamster model</title>. , 2002, , .		0
152	Raman Spectroscopy of Biofluids. , 0, , 105-120.		0
153	Surface-Enhanced Raman Scattering for Investigations of Eukaryotic Cells. , 0, , 243-261.		0
154	Arrays: Gap Size Reduction and Increased SERS Enhancement in Lithographically Patterned Nanoparticle Arrays by Templated Growth (Advanced Optical Materials 4/2013). Advanced Optical Materials, 2013, 1, 312-312.	7.3	0
155	Near-Infrared Excited Surface-Enhanced Raman and Hyper Raman Scattering for Microscopic Mapping of Biosamples. ACS Symposium Series, 2016, , 181-200.	0.5	0
156	Plasmon-Supported Two-Photon Excited Vibrational Sensing and Imaging. , 2018, , 61-88.		0
157	Highly localized characterization of protein structure and interaction by surface-enhanced Raman scattering. , 2020, , 529-551.		0
158	Gold Nanoisland Substrates as Uniform SERS Substrates for Sensitive Detection of Bone Marrow-derived Mesenchymal Stromal Cells Fingerprints. Biophysical Journal, 2020, 118, 33a.	0.5	0
159	Infrared imaging: An emerging tool for tissue diagnostics?. , 1999, , 509-510.		0
160	Characterization of hamster cerebellar sections using FT-IR microspectroscopy. , 1999, , 505-506.		0