

Janina Kneipp

List of Publications by Year in descending order

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160
papers

10,442
citations

53660

45
h-index

33814

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.	7.3	2,153
2	SERS—a single-molecule and nanoscale tool for bioanalytics. Chemical Society Reviews, 2008, 37, 1052.	18.7	952
3	Surface-Enhanced Raman Scattering in Local Optical Fields of Silver and Gold Nanoaggregates From Single-Molecule Raman Spectroscopy to Ultrasensitive Probing in Live Cells. Accounts of Chemical Research, 2006, 39, 443-450.	7.6	626
4	In Vivo Molecular Probing of Cellular Compartments with Gold Nanoparticles and Nanoaggregates. Nano Letters, 2006, 6, 2225-2231.	4.5	460
5	Towards Reliable and Quantitative Surface-Enhanced Raman Scattering (SERS): From Key Parameters to Good Analytical Practice. Angewandte Chemie - International Edition, 2020, 59, 5454-5462.	7.2	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.	4.5	305
7	Novel optical nanosensors for probing and imaging live cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 214-226.	1.7	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.	3.2	248
9	Following the Dynamics of pH in Endosomes of Live Cells with SERS Nanosensors. Journal of Physical Chemistry C, 2010, 114, 7421-7426.	1.5	195
10	Quantitative Imaging of Gold and Silver Nanoparticles in Single Eukaryotic Cells by Laser Ablation ICP-MS. Analytical Chemistry, 2012, 84, 9684-9688.	3.2	191
11	Characterizing the Kinetics of Nanoparticle-Catalyzed Reactions by Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2012, 51, 7592-7596.	7.2	157
12	Surface-Enhanced Hyper-Raman Spectra of Adenine, Guanine, Cytosine, Thymine, and Uracil. Journal of Physical Chemistry C, 2016, 120, 15415-15423.	1.5	149
13	Optical probing and imaging of live cells using SERS labels. Journal of Raman Spectroscopy, 2009, 40, 1-5.	1.2	143
14	SERS enhancement of gold nanospheres of defined size. Journal of Raman Spectroscopy, 2011, 42, 1736-1742.	1.2	138
15	Surface-Enhanced Raman Scattering Hybrid Nanoprobe Multiplexing and Imaging in Biological Systems. ACS Nano, 2010, 4, 3259-3269.	7.3	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.	3.3	131
17	Trends in single-cell analysis by use of ICP-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 6963-6977.	1.9	129
18	Chemical Characterization and Classification of Pollen. Analytical Chemistry, 2008, 80, 9551-9556.	3.2	109

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19	Detection of pathological molecular alterations in scrapie-infected hamster brain by Fourier transform infrared (FT-IR) spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000, 1501, 189-199.	1.8	103
20	SERS Probing of Proteins in Gold Nanoparticle Agglomerates. <i>Frontiers in Chemistry</i> , 2019, 7, 30.	1.8	100
21	Toxicity of amorphous silica nanoparticles on eukaryotic cell model is determined by particle agglomeration and serum protein adsorption effects. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1367-1373.	1.9	98
22	SERS reveals the specific interaction of silver and gold nanoparticles with hemoglobin and red blood cell components. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5364.	1.3	89
23	Characterization of Pollen Carotenoids with in situ and High-Performance Thin-Layer Chromatography Supported Resonant Raman Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 8426-8433.	3.2	85
24	Nanomaterials in complex biological systems: insights from Raman spectroscopy. <i>Chemical Society Reviews</i> , 2012, 41, 5780.	18.7	83
25	Characterisation of silica nanoparticles prior to in vitro studies: from primary particles to agglomerates. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1593-1604.	0.8	81
26	FTIR-microspectroscopy of prion-infected nervous tissue. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 948-959.	1.4	77
27	Gold Nanolenses Generated by Laser Ablation-Efficient Enhancing Structure for Surface Enhanced Raman Scattering Analytics and Sensing. <i>Analytical Chemistry</i> , 2008, 80, 4247-4251.	3.2	77
28	Characterization of breast duct epithelia: a Raman spectroscopic study. <i>Vibrational Spectroscopy</i> , 2003, 32, 67-74.	1.2	74
29	In situ identification of protein structural changes in prion-infected tissue. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1639, 152-158.	1.8	72
30	Surface-Enhanced Raman Optical Activity on Adenine in Silver Colloidal Solution. <i>Analytical Chemistry</i> , 2006, 78, 1363-1366.	3.2	72
31	Molecular Changes of Preclinical Scrapie Can Be Detected by Infrared Spectroscopy. <i>Journal of Neuroscience</i> , 2002, 22, 2989-2997.	1.7	70
32	Iodine as an elemental marker for imaging of single cells and tissue sections by laser ablation inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2160.	1.6	69
33	Interrogating Cells, Tissues, and Live Animals with New Generations of Surface-Enhanced Raman Scattering Probes and Labels. <i>ACS Nano</i> , 2017, 11, 1136-1141.	7.3	69
34	Surface Enhanced Hyper-Raman Scattering of the Amino Acids Tryptophan, Histidine, Phenylalanine, and Tyrosine. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1235-1242.	1.5	65
35	Different binding sites of serum albumins in the protein corona of gold nanoparticles. <i>Analyst</i> , The, 2018, 143, 6061-6068.	1.7	62
36	Relating surface-enhanced Raman scattering signals of cells to gold nanoparticle aggregation as determined by LA-ICP-MS micromapping. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7003-7014.	1.9	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.	7.3	60
38	Placement of Single Proteins within the SERS Hot Spots of Self-Assembled Silver Nanolenses. Angewandte Chemie - International Edition, 2018, 57, 7444-7447.	7.2	58
39	Surface enhanced hyper Raman scattering (SEHRS) and its applications. Chemical Society Reviews, 2017, 46, 3980-3999.	18.7	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.	5.5	57
41	Raman microspectroscopy for microbiology. Nature Reviews Methods Primers, 2021, 1, .	11.8	57
42	Surface-enhanced Raman scattering: a new optical probe in molecular biophysics and biomedicine. Theoretical Chemistry Accounts, 2010, 125, 319-327.	0.5	56
43	Specific biomolecule corona is associated with ring-shaped organization of silver nanoparticles in cells. Nanoscale, 2013, 5, 9193.	2.8	49
44	In situ Characterization of SiO ₂ Nanoparticle Biointeractions Using BrightSilica. Advanced Functional Materials, 2014, 24, 3765-3775.	7.8	48
45	Combined near-infrared excited SEHRS and SERS spectra of pH sensors using silver nanostructures. Physical Chemistry Chemical Physics, 2015, 17, 26093-26100.	1.3	48
46	Gold Nanolenses Self-Assembled by DNA Origami. ACS Photonics, 2017, 4, 1123-1130.	3.2	48
47	Identification of aqueous pollen extracts using surface enhanced Raman scattering (SERS) and pattern recognition methods. Journal of Biophotonics, 2016, 9, 181-189.	1.1	43
48	Size Dependence of Electrical Conductivity and Thermoelectric Enhancements in Spin-Coated PEDOT:PSS Single and Multiple Layers. Advanced Electronic Materials, 2017, 3, 1600473.	2.6	42
49	Monitoring of plant-environment interactions by high-throughput FTIR spectroscopy of pollen. Methods in Ecology and Evolution, 2017, 8, 870-880.	2.2	42
50	Oil palm land conversion in Pará, Brazil, from 2006-2014: evaluating the 2010 Brazilian Sustainable Palm Oil Production Program. Environmental Research Letters, 2018, 13, 034037.	2.2	42
51	Surface-Enhanced Hyper Raman Spectra of Aromatic Thiols on Gold and Silver Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 6233-6241.	1.5	42
52	Cellulose hydrogels physically crosslinked by glycine: Synthesis, characterization, thermal and mechanical properties. Journal of Applied Polymer Science, 2020, 137, 48380.	1.3	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.	5.5	40
54	Surface-enhanced Raman scattering on aluminum using near infrared and visible excitation. Chemical Communications, 2014, 50, 3744-3746.	2.2	38

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55	Dynamics of Allostery in Hemoglobin: Roles of the Penultimate Tyrosine H bonds. <i>Journal of Molecular Biology</i> , 2006, 356, 335-353.	2.0	37
56	Simultaneous UV/Vis spectroscopy and surface enhanced Raman scattering of nanoparticle formation and aggregation in levitated droplets. <i>Analytical Methods</i> , 2012, 4, 1252.	1.3	37
57	Probing plasmonic nanostructures by photons and electrons. <i>Chemical Science</i> , 2015, 6, 2721-2726.	3.7	37
58	Combined Synchrotron XRD/Raman Measurements: <i>In Situ</i> Identification of Polymorphic Transitions during Crystallization Processes. <i>Langmuir</i> , 2010, 26, 11233-11237.	1.6	35
59	Gap Size Reduction and Increased SERS Enhancement in Lithographically Patterned Nanoparticle Arrays by Templated Growth. <i>Advanced Optical Materials</i> , 2013, 1, 313-318.	3.6	34
60	SERS and Cryo-EM Directly Reveal Different Liposome Structures during Interaction with Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6767-6772.	2.1	33
61	Chemical Mapping of <i>Leishmania</i> Infection in Live Cells by SERS Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 8154-8161.	3.2	33
62	Gold Nanostructures for Plasmonic Enhancement of Hyper-Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2931-2940.	1.5	32
63	Raman Imaging of Plant Cell Walls in Sections of <i>Cucumis sativus</i> . <i>Plants</i> , 2018, 7, 7.	1.6	32
64	Nanosensors Based on SERS for Applications in Living Cells. , 2006, , 335-349.		31
65	Nanoscope Properties and Application of Mix-and-Match Plasmonic Surfaces for Microscopic SERS. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6859-6865.	1.5	31
66	Properties of in situ generated gold nanoparticles in the cellular context. <i>Nanoscale</i> , 2017, 9, 11647-11656.	2.8	31
67	Mapping the Inhomogeneity in Plasmonic Catalysis on Supported Gold Nanoparticles Using Surface-Enhanced Raman Scattering Microspectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 9199-9205.	3.2	31
68	Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells. <i>ACS Nano</i> , 2019, 13, 9363-9375.	7.3	31
69	Surface-enhanced Raman spectroscopy for the analysis of smokeless gunpowders and macroscopic gunshot residues. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4965-4973.	1.9	30
70	In Situ Complementary Doping, Thermoelectric Improvements, and Strain-Induced Structure within Alternating PEDOT:PSS/PANI Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33308-33316.	4.0	30
71	Biomolecular environment, quantification, and intracellular interaction of multifunctional magnetic SERS nanoprobe. <i>Analyst</i> , 2016, 141, 5096-5106.	1.7	29
72	Fragmentation of Proteins in the Corona of Gold Nanoparticles As Observed in Live Cell Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2020, 92, 8553-8560.	3.2	29

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73	Surface-enhanced hyper Raman hyperspectral imaging and probing in animal cells. <i>Nanoscale</i> , 2017, 9, 8024-8032.	2.8	28
74	Formation of root silica aggregates in sorghum is an active process of the endodermis. <i>Journal of Experimental Botany</i> , 2020, 71, 6807-6817.	2.4	28
75	Long-Term Stable Silver Subsurface Ion-Exchanged Glasses for SERS Applications. <i>ChemPhysChem</i> , 2011, 12, 1683-1688.	1.0	26
76	Molecular changes during pollen germination can be monitored by Raman microspectroscopy. <i>Journal of Biophotonics</i> , 2010, 3, 542-547.	1.1	23
77	Surface-enhanced hyper-Raman and Raman hyperspectral mapping. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14228-14233.	1.3	23
78	Surface-Enhanced Raman and Surface-Enhanced Hyper-Raman Scattering of Thiol-Functionalized Carotene. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20702-20709.	1.5	23
79	Gold- and Silver-Coated Barium Titanate Nanocomposites as Probes for Two-Photon Multimodal Microspectroscopy. <i>Advanced Functional Materials</i> , 2019, 29, 1904289.	7.8	22
80	Surface-enhanced Raman scattering with silver nanostructures generated in situ in a sporopollenin biopolymer matrix. <i>Chemical Communications</i> , 2011, 47, 3236.	2.2	21
81	Magnetic separation and SERS observation of analyte molecules on bifunctional silver/iron oxide composite nanostructures. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1204-1207.	1.2	20
82	Intracellular optical probing with gold nanostars. <i>Nanoscale</i> , 2021, 13, 968-979.	2.8	20
83	Surface enhanced Raman scattering for probing cellular biochemistry. <i>Nanoscale</i> , 2022, 14, 5314-5328.	2.8	20
84	Scrapie-infected cells, isolated prions, and recombinant prion protein: A comparative study. <i>Biopolymers</i> , 2004, 74, 163-167.	1.2	19
85	Electron Energy Loss and One- and Two-Photon Excited SERS Probing of "Hot" Plasmonic Silver Nanoaggregates. <i>Plasmonics</i> , 2013, 8, 763-767.	1.8	18
86	Insight into plant cell wall chemistry and structure by combination of multiphoton microscopy with Raman imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201700164.	1.1	18
87	Spectroscopic Discrimination of Sorghum Silica Phytoliths. <i>Frontiers in Plant Science</i> , 2019, 10, 1571.	1.7	18
88	Combining Chemical Information From Grass Pollen in Multimodal Characterization. <i>Frontiers in Plant Science</i> , 2019, 10, 1788.	1.7	18
89	Templated green synthesis of plasmonic silver nanoparticles in onion epidermal cells suitable for surface-enhanced Raman and hyper-Raman scattering. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 834-840.	1.5	17
90	Amorphous Carbon Generation as a Photocatalytic Reaction on DNA-Assembled Gold and Silver Nanostructures. <i>Molecules</i> , 2019, 24, 2324.	1.7	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. <i>Nanoscale</i> , 2020, 12, 17450-17461.	2.8	17
92	In situ surface-enhanced Raman scattering shows ligand-enhanced hot electron harvesting on silver, gold, and copper nanoparticles. <i>Journal of Catalysis</i> , 2020, 383, 153-159.	3.1	16
93	Discrimination of grass pollen of different species by FTIR spectroscopy of individual pollen grains. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6459-6474.	1.9	16
94	Specific Interaction of Tricyclic Antidepressants with Gold and Silver Nanostructures as Revealed by Combined One- and Two-Photon Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22958-22968.	1.5	15
95	Vibrational sum-frequency generation spectroscopy of lipid bilayers at repetition rates up to 100 kHz. <i>Journal of Chemical Physics</i> , 2018, 148, 104702.	1.2	15
96	FTIR Nanospectroscopy Shows Molecular Structures of Plant Biominerals and Cell Walls. <i>Analytical Chemistry</i> , 2020, 92, 13694-13701.	3.2	15
97	Molecular Structure and Interactions of Lipids in the Outer Membrane of Living Cells Based on Surface-Enhanced Raman Scattering and Liposome Models. <i>Analytical Chemistry</i> , 2021, 93, 10106-10113.	3.2	15
98	Gold nanoisland substrates for SERS characterization of cultured cells. <i>Biomedical Optics Express</i> , 2019, 10, 6172.	1.5	15
99	Physiological influence of silica on germinating pollen as shown by Raman spectroscopy. <i>Journal of Biophotonics</i> , 2017, 10, 542-552.	1.1	14
100	X-ray tomography shows the varying three-dimensional morphology of gold nanoaggregates in the cellular ultrastructure. <i>Nanoscale Advances</i> , 2019, 1, 2937-2945.	2.2	14
101	Influence of Nuclear Localization Sequences on the Intracellular Fate of Gold Nanoparticles. <i>ACS Nano</i> , 2021, 15, 14838-14849.	7.3	14
102	Intracellular SERS hybrid probes using BSA as reporter conjugates. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6209-6222.	1.9	13
103	Matrix-assisted laser desorption/ionization mass spectrometric investigation of pollen and their classification by multivariate statistics. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1032-1038.	0.7	11
104	Mass spectrometric approach for the analysis of the hard protein corona of nanoparticles in living cells. <i>Journal of Proteomics</i> , 2020, 212, 103582.	1.2	11
105	Time-Resolved Resonance Raman Study of HbA _{1c} with 220 nm Excitation: Probing Phenylalanine. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15919-15927.	1.2	9
106	SERS and Multiphoton-Induced Luminescence of Gold Micro- and Nanostructures Fabricated by NIR Femtosecond Laser Irradiation. <i>ChemPhysChem</i> , 2008, 9, 2163-2167.	1.0	9
107	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) shows adaptation of grass pollen composition. <i>Scientific Reports</i> , 2018, 8, 16591.	1.6	9
108	Taxonomic relationships of pollens from matrix-assisted laser desorption/ionization time-of-flight mass spectrometry data using multivariate statistics. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1145-1154.	0.7	8

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109	Ligand-Supported Hot Electron Harvesting: Revisiting the pH-Responsive Surface-Enhanced Raman Scattering Spectrum of p-Aminothiophenol. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1542-1547.	2.1	8
110	Surface Molecular Patterning by Plasmon-Catalyzed Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43708-43714.	4.0	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4861-4871.	1.9	7
114	Porous MgF ₂ -over-gold nanoparticles (MON) as plasmonic substrate for analytical applications. <i>RSC Advances</i> , 2016, 6, 71557-71566.	1.7	6
115	Simplifying the Preparation of Pollen Grains for MALDI-TOF MS Classification. <i>International Journal of Molecular Sciences</i> , 2017, 18, 543.	1.8	6
116	Multivariate Analysis of MALDI Imaging Mass Spectrometry Data of Mixtures of Single Pollen Grains. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2237-2247.	1.2	6
117	Plasmon Enhanced Two-Photon Probing with Gold and Silver Nanovoid Structures. <i>Advanced Optical Materials</i> , 2019, 7, 1900650.	3.6	6
118	Probing the Intracellular Bio-Nano Interface in Different Cell Lines with Gold Nanostars. <i>Nanomaterials</i> , 2021, 11, 1183.	1.9	6
119	Multivariate Raman mapping for phenotypic characterization in plant tissue sections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119418.	2.0	6
120	SUB-100-Nanometer Infrared Spectroscopy and Imaging Based on a Near-Field Photothermal Technique (sPTIR). , 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 " towards monitoring and imaging molecular structures in live cryptobiotic organisms. <i>Journal of Biophotonics</i> , 2013, 6, 759-764.	1.1	4
123	Platzierung einzelner Proteine in den SERS-Hotspots selbstorganisierter Silbernanolinsen. <i>Angewandte Chemie</i> , 2018, 130, 7566-7569.	1.6	4
124	Auf dem Weg zur verlässlichen und quantitativen SERS-Spektroskopie: von Schlüsselparametern zur guten analytischen Praxis. <i>Angewandte Chemie</i> , 2020, 132, 5496-5505.	1.6	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€œ 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.	0.4	3
130	Bioâ€œprobing with nonresonant surfaceâ€œenhanced hyperâ€œRaman scattering excited at 1,550 nm. Journal of Raman Spectroscopy, 2021, 52, 394-403.	1.2	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, , .	1.1	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.	1.8	2
137	Applications of Raman and Surface-Enhanced Raman Scattering to the Analysis of Eukaryotic Samples. Biological and Medical Physics Series, 2010, , 71-95.	0.3	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€œacceptor dyes: A model compound study using UV/vis absorption and Raman spectroscopy. Chemical Physics Letters, 2014, 592, 1-6.	1.2	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4869-4872.	1.9	1
146	Characterization of the Interaction of Liposomes and Gold Nanoparticles using Surface Enhanced Raman Scattering. <i>Biophysical Journal</i> , 2018, 114, 389a-390a.	0.2	1
147	Characterization of Lipids in Leishmania Infected Cells by SERS Microscopy. <i>Biophysical Journal</i> , 2019, 116, 565a.	0.2	1
148	pH-Dependent Flavin Adenine Dinucleotide and Nicotinamide Adenine Dinucleotide Ultraviolet Resonance Raman (UVRR) Spectra at Intracellular Concentration. <i>Applied Spectroscopy</i> , 2021, 75, 994-1002.	1.2	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 (<i>Advanced Optical Materials</i> 4/2013). <i>Advanced Optical Materials</i> , 2013, 1, 312-312.	3.6	0
155	Near-Infrared Excited Surface-Enhanced Raman and Hyper Raman Scattering for Microscopic Mapping of Biosamples. <i>ACS Symposium Series</i> , 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. <i>Biophysical Journal</i> , 2020, 118, 33a.	0.2	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