

Steven Bell

List of Publications by Year in descending order

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173
papers

10,447
citations

50170

46
h-index

35952

97
g-index

182
all docs

182
docs citations

182
times ranked

10941
citing authors

#	ARTICLE	IF	CITATIONS
1	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	7.3	2,153
2	Polyethylene multiwalled carbon nanotube composites. <i>Polymer</i> , 2005, 46, 8222-8232.	1.8	753
3	Surface-Enhanced Raman Spectroscopy (SERS) for Sub-Micromolar Detection of DNA/RNA Mononucleotides. <i>Journal of the American Chemical Society</i> , 2006, 128, 15580-15581.	6.6	397
4	Quantitative surface-enhanced Raman spectroscopy. <i>Chemical Society Reviews</i> , 2008, 37, 1012.	18.7	395
5	Remarkably Simple Fabrication of Superhydrophobic Surfaces Using Electroless Galvanic Deposition. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1710-1712.	7.2	336
6	Towards Reliable and Quantitative Surface-Enhanced Raman Scattering (SERS): From Key Parameters to Good Analytical Practice. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5454-5462.	7.2	324
7	Recent applications of Chemical Imaging to pharmaceutical process monitoring and quality control. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 10-22.	2.0	239
8	SERS enhancement by aggregated Au colloids: effect of particle size. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7455.	1.3	165
9	Label-Free Detection of Single-Base Mismatches in DNA by Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9058-9061.	7.2	157
10	Surface-Enhanced Raman Spectroscopy as a Probe of Competitive Binding by Anions to Citrate-Reduced Silver Colloids. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7405-7410.	1.1	153
11	Quantitative surface-enhanced Raman spectroscopy of dipicolinic acid ²⁻ towards rapid anthrax endospore detection. <i>Analyst, The</i> , 2005, 130, 545-549.	1.7	145
12	Hydrogel-Forming Microneedle Arrays Allow Detection of Drugs and Glucose In Vivo: Potential for Use in Diagnosis and Therapeutic Drug Monitoring. <i>PLoS ONE</i> , 2015, 10, e0145644.	1.1	122
13	Better understanding of mechanochemical reactions: Raman monitoring reveals surprisingly simple "pseudo-fluid" model for a ball milling reaction. <i>Chemical Communications</i> , 2014, 50, 1585.	2.2	119
14	Preliminary investigation of the application of Raman spectroscopy to the prediction of the sensory quality of beef silverside. <i>Meat Science</i> , 2004, 66, 903-913.	2.7	117
15	A critical evaluation of Raman spectroscopy for the analysis of lipids: Fatty acid methyl esters. <i>Lipids</i> , 2004, 39, 407-419.	0.7	114
16	Resonance Raman Probing of the Interaction between Dipyridophenazine Complexes of Ru(II) and DNA. <i>Journal of the American Chemical Society</i> , 1997, 119, 7130-7136.	6.6	110
17	Rapid analysis of ecstasy and related phenethylamines in seized tablets by Raman spectroscopy. <i>Analyst, The</i> , 2000, 125, 541-544.	1.7	104
18	Composition profiling of seized ecstasy tablets by Raman spectroscopy. <i>Analyst, The</i> , 2000, 125, 1811-1815.	1.7	101

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19	Stable and Uniform SERS Signals from Self-Assembled Two-Dimensional Interfacial Arrays of Optically Coupled Ag Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 6783-6789.	3.2	100
20	The feasibility of using near infrared and Raman spectroscopic techniques to detect fraudulent adulteration of chili powders with Sudan dye. <i>Food Control</i> , 2015, 48, 75-83.	2.8	96
21	Prediction of adipose tissue composition using raman spectroscopy: Average properties and individual fatty acids. <i>Lipids</i> , 2006, 41, 287-294.	0.7	92
22	Controlling Assembly of Mixed Thiol Monolayers on Silver Nanoparticles to Tune Their Surface Properties. <i>ACS Nano</i> , 2012, 6, 3718-3726.	7.3	92
23	A Method for Promoting Assembly of Metallic and Nonmetallic Nanoparticles into Interfacial Monolayer Films. <i>Nano Letters</i> , 2016, 16, 5255-5260.	4.5	88
24	Reduced-size polarized basis sets for calculations of molecular electric properties. I. The basis set generation. <i>Journal of Computational Chemistry</i> , 2005, 26, 145-153.	1.5	86
25	Anti-infective photodynamic biomaterials for the prevention of intraocular lens-associated infectious endophthalmitis. <i>Biomaterials</i> , 2009, 30, 597-602.	5.7	86
26	Towards practical and sustainable SERS: a review of recent developments in the construction of multifunctional enhancing substrates. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11517-11552.	2.7	85
27	Combined Antenna and Localized Plasmon Resonance in Raman Scattering from Random Arrays of Silver-Coated, Vertically Aligned Multiwalled Carbon Nanotubes. <i>Nano Letters</i> , 2011, 11, 365-371.	4.5	84
28	Quantitative Raman Spectroscopy of Highly Fluorescent Samples Using Pseudosecond Derivatives and Multivariate Analysis. <i>Analytical Chemistry</i> , 2001, 73, 2058-2065.	3.2	83
29	Development of sampling methods for Raman analysis of solid dosage forms of therapeutic and illicit drugs. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 409-417.	1.2	81
30	Novel nanosuspension-based dissolving microneedle arrays for transdermal delivery of a hydrophobic drug. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018, 3, 89-101.	3.6	80
31	Analysis of luminescent samples using subtracted shifted Raman spectroscopy. <i>Analyst, The</i> , 1998, 123, 1729-1734.	1.7	76
32	Rapid, quantitative analysis of ppm/ppb nicotine using surface-enhanced Raman scattering from polymer-encapsulated Ag nanoparticles (gel-colls). <i>Analyst, The</i> , 2004, 129, 1032.	1.7	76
33	Structure of Adenine on Metal Nanoparticles: pH Equilibria and Formation of Ag ⁺ Complexes Detected by Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22644-22651.	1.5	72
34	Label-Free Detection of Nanomolar Unmodified Single- and Double-Stranded DNA by Using Surface-Enhanced Raman Spectroscopy on Ag and Au Colloids. <i>Chemistry - A European Journal</i> , 2012, 18, 5394-5400.	1.7	68
35	Identification of Dyes on Ancient Chinese Paper Samples Using the Subtracted Shifted Raman Spectroscopy Method. <i>Analytical Chemistry</i> , 2000, 72, 234-239.	3.2	62
36	Time-Resolved Absorption, Infrared, and Resonance Raman Spectra of the Complexes [Ru(X)(R)(CO) ₂ (.alpha.-Diimine)] (X = Halide; R = Alkyl): Influence of X on the Charge Transfer Character of the Lowest Excited State. <i>Journal of the American Chemical Society</i> , 1995, 117, 5579-5585.	6.6	58

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37	DNA reorientation on Au nanoparticles: label-free detection of hybridization by surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2011, 47, 10966.	2.2	55
38	Multivariate prediction of clarified butter composition using raman spectroscopy. <i>Lipids</i> , 2004, 39, 897-906.	0.7	54
39	Classification of Adipose Tissue Species using Raman Spectroscopy. <i>Lipids</i> , 2007, 42, 679-685.	0.7	52
40	Infrared and Raman screening of seized novel psychoactive substances: a large scale study of >200 samples. <i>Analyst, The</i> , 2016, 141, 902-909.	1.7	52
41	Compressed Metal Powders that Remain Superhydrophobic after Abrasion. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2703-2706.	4.0	51
42	Waste plastics recycling for producing high-value carbon nanotubes: Investigation of the influence of Manganese content in Fe-based catalysts. <i>Journal of Hazardous Materials</i> , 2021, 402, 123726.	6.5	49
43	Sheets of Large Superhydrophobic Metal Particles Self Assembled on Water by the Cheerios Effect. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5043-5045.	7.2	48
44	Raman spectroscopy for forensic examination of Î²-ketophenethylamine â€œlegal highsâ€ Reference and seized samples of cathinone derivatives. <i>Analytica Chimica Acta</i> , 2012, 711, 1-6.	2.6	48
45	Simple preparation of positively charged silver nanoparticles for detection of anions by surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2015, 140, 2988-2994.	1.7	48
46	Structural and Kinetic Studies of Spin Crossover in an Iron(II) Complex with a Novel Tripodal Ligand. <i>Inorganic Chemistry</i> , 1996, 35, 5055-5060.	1.9	47
47	Tracking the distribution of â€œecstasyâ€ tablets by Raman composition profiling: A large scale feasibility study. <i>Analyst, The</i> , 2003, 128, 1331-1335.	1.7	47
48	Forensic Analysis of Architectural Finishes Using Fourier Transform Infrared and Raman Spectroscopy, Part II: White Paint. <i>Applied Spectroscopy</i> , 2005, 59, 1340-1346.	1.2	47
49	Novel Porphyrin-Incorporated Hydrogels for Photoactive Intraocular Lens Biomaterials. <i>Journal of Physical Chemistry B</i> , 2007, 111, 527-534.	1.2	47
50	Surface-Enhanced Raman Spectroscopy as a Probe of the Surface Chemistry of Nanostructured Materials. <i>Advanced Materials</i> , 2016, 28, 5705-5711.	11.1	47
51	Surface-Enhanced Raman Spectroscopy for the Detection of a Metabolic Product in the Headspace Above Live Bacterial Cultures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15686-15690.	7.2	46
52	Self-assembly of colloidal nanoparticles into 2D arrays at water-oil interfaces: rational construction of stable SERS substrates with accessible enhancing surfaces and tailored plasmonic response. <i>Nanoscale</i> , 2021, 13, 5937-5953.	2.8	46
53	Surface enhanced Raman evidence for Ag+ complexes of adenine, deoxyadenosine and 5â€²-dAMP formed in silver colloids. <i>Analyst, The</i> , 2010, 135, 3034.	1.7	44
54	Tutorial review. Time-resolved resonance Raman spectroscopy. <i>Analyst, The</i> , 1996, 121, 107R.	1.7	43

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55	Use of a hydrogel polymer for reproducible surface enhanced Raman optical activity (SEROA). <i>Chemical Communications</i> , 2011, 47, 4754.	2.2	43
56	Photoperturbation of the 1A _{1g} spin equilibrium in an iron(II) complex in solution via ligand field excitation. <i>Inorganic Chemistry</i> , 1993, 32, 2469-2472.	1.9	42
57	Resonance Raman spectra of the triplet state of free-base tetraphenylporphyrin and six of its isotopomers. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3959-3964.	2.9	42
58	Characterisation of fluidised bed granulation processes using in-situ Raman spectroscopy. <i>Chemical Engineering Science</i> , 2009, 64, 91-98.	1.9	42
59	Reduced size polarized basis sets for calculations of molecular electric properties. III. Second row atoms. <i>Theoretical Chemistry Accounts</i> , 2005, 113, 238-247.	0.5	41
60	Preliminary investigations on the effects of ageing and cooking on the Raman spectra of porcine longissimus dorsi. <i>Meat Science</i> , 2008, 80, 1205-1211.	2.7	41
61	Disposable, stable media for reproducible surface-enhanced Raman spectroscopy. <i>Analyst</i> , 2001, 126, 1-3.	1.7	40
62	SERS of meso-droplets supported on superhydrophobic wires allows exquisitely sensitive detection of dipicolinic acid, an anthrax biomarker, considerably below the infective dose. <i>Chemical Communications</i> , 2016, 52, 9925-9928.	2.2	40
63	Rapid One-Pot Preparation of Large Freestanding Nanoparticle-Polymer Films. <i>Small</i> , 2017, 13, 1602163.	5.2	40
64	Oxoiron(IV) porphyrins derived from charged iron(III) tetraarylporphyrins and chemical oxidants in aqueous and methanolic solutions. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 549.	0.9	37
65	DFT Studies of the Resonance Raman Spectra of Ground and Excited Triplet State Free Basemeso-Tetraphenylporphyrin (H2TPP). <i>Journal of Physical Chemistry A</i> , 2003, 107, 10953-10959.	1.1	37
66	Forensic Analysis of Architectural Finishes Using Fourier Transform Infrared and Raman Spectroscopy, Part I: The Resin Bases. <i>Applied Spectroscopy</i> , 2005, 59, 1333-1339.	1.2	36
67	Modification of Ag nanoparticles with mixed thiols for improved SERS detection of poorly adsorbing target molecules: detection of MDMA. <i>Chemical Communications</i> , 2011, 47, 4523.	2.2	36
68	Single- and two-color pulsed laser resonance Raman spectroscopy of excited states of bis(2,9-dimethyl-1,10-phenanthroline)copper(I) in solution. <i>Inorganic Chemistry</i> , 1988, 27, 4003-4006.	1.9	35
69	Rapid Forensic Analysis and Identification of α -Lilac Architectural Finishes Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 100-108.	1.2	35
70	Fluidised bed characterisation using Raman spectroscopy: Applications to pharmaceutical processing. <i>Chemical Engineering Science</i> , 2007, 62, 3832-3838.	1.9	34
71	Cation Complexation by Chemically Modified Calixarenes. 11. Complexation and Extraction of Alkali Cations by Calix[5]- and -[6]arene Ketones. Crystal and Molecular Structures of Calix[5]arene Ketones and Na ⁺ and Rb ⁺ Complexes. <i>Journal of Organic Chemistry</i> , 1998, 63, 489-501.	1.7	33
72	Conformations, vibrational frequencies and Raman intensities of short-chain fatty acid methyl esters using DFT with 6-31G(d) and Sadlej pVTZ basis sets. <i>Computational and Theoretical Chemistry</i> , 2002, 586, 91-110.	1.5	33

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73	Surface-Enhanced Raman Evidence of Protonation, Reorientation, and Ag ⁺ Complexation of Deoxyadenosine and Deoxyadenosine-5'-Monophosphate (dAMP) on Ag and Au Surfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14228-14235.	1.5	33
74	Surface-enhanced Raman spectroscopy of novel psychoactive substances using polymer-stabilized Ag nanoparticle aggregates. <i>Chemical Communications</i> , 2016, 52, 493-496.	2.2	33
75	Examination of the Physical State of Chlorhexidine Within Viscoelastic, Bioadhesive Semisolids Using Raman Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2000, 89, 563-571.	1.6	32
76	The application of near-infrared (NIR) and Raman spectroscopy to detect adulteration of oil used in animal feed production. <i>Food Chemistry</i> , 2012, 132, 1614-1619.	4.2	32
77	Contribution of resonance Raman excitation spectroscopy for probing electronically excited states: nature of a porphyrin-DNA exciplex. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5754-5756.	2.9	30
78	Resonance-Raman probing of the interaction between dipyrrophenazine complexes of ruthenium(II) and DNA. <i>Chemical Communications</i> , 1996, , 35.	2.2	30
79	Co-melt fluidised bed granulation of pharmaceutical powders: Improvements in drug bioavailability. <i>Chemical Engineering Science</i> , 2007, 62, 451-462.	1.9	30
80	Determination of hydrogen peroxide concentration using a handheld Raman spectrometer: Detection of an explosives precursor. <i>Forensic Science International</i> , 2012, 216, e5-e8.	1.3	30
81	Filter paper based SERS substrate for the direct detection of analytes in complex matrices. <i>Analyst, The</i> , 2021, 146, 1281-1288.	1.7	30
82	Time-resolved resonance Raman spectroscopy and solution kinetics of photogenerated transients in the metal-carbene complex (OC)5W:C(OMe)Ph. <i>Journal of the American Chemical Society</i> , 1988, 110, 3107-3112.	6.6	29
83	Screening Tablets for DOB Using Surface-Enhanced Raman Spectroscopy. <i>Journal of Forensic Sciences</i> , 2007, 52, 1063-1067.	0.9	29
84	Nucleation and growth in fluidised hot melt granulation. <i>Powder Technology</i> , 2009, 189, 230-237.	2.1	29
85	High dilution surface-enhanced Raman spectroscopy for rapid determination of nicotine in e-liquids for electronic cigarettes. <i>Analyst, The</i> , 2017, 142, 994-998.	1.7	28
86	Quantitative surface-enhanced Raman spectroscopy of single bases in oligodeoxynucleotides. <i>Faraday Discussions</i> , 2017, 205, 517-536.	1.6	28
87	Surfactant-free Synthesis of Spiky Hollow Ag@Au Nanostars with Chemically Exposed Surfaces for Enhanced Catalysis and Single-Particle SERS. <i>Jacs Au</i> , 2022, 2, 178-187.	3.6	28
88	Reduced-size polarized basis sets for calculations of molecular electric properties. II. Simulation of the Raman spectra. <i>Journal of Computational Chemistry</i> , 2005, 26, 154-159.	1.5	27
89	Theory of SERS enhancement: general discussion. <i>Faraday Discussions</i> , 2017, 205, 173-211.	1.6	27
90	Raman spectroelectrochemical studies and crystal structure of a binuclear copper(I) complex with a bridging diimine ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 1591.	1.1	26

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91	Raman spectroscopy predicts the link between claw keratin and bone collagen structure in a rodent model of oestrogen deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 398-406.	1.8	26
92	Resonance Raman spectra of charge-transfer excited states of copper(I) complexes. <i>Inorganic Chemistry</i> , 1986, 25, 4325-4327.	1.9	25
93	Observation of biphasic kinetics in light-induced spin-state crossover in an iron(II) complex in solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 536.	2.0	25
94	Time-resolved resonance Raman spectroscopy of excited singlet and triplet states of free-base meso-tetraphenylporphyrin. <i>The Journal of Physical Chemistry</i> , 1993, 97, 11599-11602.	2.9	25
95	Comparison of the discriminating power of Raman and surface-enhanced Raman spectroscopy with established techniques for the examination of liquid and gel inks. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 509-517.	1.2	25
96	Characterization of silicone elastomer vaginal rings containing HIV microbicide TMC120 by Raman spectroscopy. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 203-207.	1.2	24
97	Transient resonance Raman and Raman spectroelectrochemical studies of copper(Cu I) complexes with polypyridyl ligands. <i>The Journal of Physical Chemistry</i> , 1993, 97, 10942-10947.	2.9	22
98	DFT studies of long-chain FAMES: theoretical justification for determining chain length and unsaturation from experimental Raman spectra. <i>Computational and Theoretical Chemistry</i> , 2003, 626, 27-45.	1.5	22
99	SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 429-456.	1.6	22
100	Resonance Raman and DFT Studies of Tetra-tert-butyl Porphine: Assignment of Strongly Enhanced Distortion Modes in a Ruffled Porphyrin. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2964-2973.	1.1	21
101	Assessment of roughness and chemical modification in determining the hydrophobic properties of metals. <i>New Journal of Chemistry</i> , 2008, 32, 1215.	1.4	20
102	Properties of super-hydrophobic copper and stainless steel meshes: Applications in controllable water permeation and organic solvents/water separation. <i>Applied Surface Science</i> , 2015, 335, 107-114.	3.1	20
103	Unexpected Dual Action of Cetyltrimethylammonium Bromide (CTAB) in the Self-Assembly of Colloidal Nanoparticles at Liquid-Liquid Interfaces. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000391.	1.9	20
104	Drug and light delivery strategies for photodynamic antimicrobial chemotherapy (PACT) of pulmonary pathogens: A pilot study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2011, 8, 1-6.	1.3	19
105	Characterization of Bacteria Using Surface-Enhanced Raman Spectroscopy (SERS): Influence of Microbiological Factors on the SERS Spectra. <i>Analytical Chemistry</i> , 2022, 94, 9327-9335.	3.2	19
106	Surface-enhanced Raman scattering studies of metalloporphyrins on silver sols, MELLFs and electrodes: evidence for reversible photoinduced demetalation of a silver(II) porphyrin. <i>The Journal of Physical Chemistry</i> , 1992, 96, 10960-10963.	2.9	18
107	Swellable polymer films containing Au nanoparticles for point-of-care therapeutic drug monitoring using surface-enhanced Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2016, 912, 111-116.	2.6	18
108	Exploiting the chemical differences between Ag and Au colloids allows dramatically improved SERS detection of non-adsorbing molecules. <i>Analyst, The</i> , 2019, 144, 448-453.	1.7	18

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109	A one-pot method for building colloidal nanoparticles into bulk dry powders with nanoscale magnetic, plasmonic and catalytic functionalities. <i>Applied Materials Today</i> , 2019, 15, 398-404.	2.3	18
110	Time-Resolved Resonance Raman Spectroscopy and Raman Spectroelectrochemistry of (CO) ₅ W[4,4'-bpy]W(CO) ₅ , Probed in the Visible and Near Infrared. <i>The Journal of Physical Chemistry</i> , 1995, 99, 12268-12273.	2.9	17
111	Time-resolved resonance Raman spectroscopy of triplet-state metallated and free-base tetraarylporphyrins. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 411-418.	1.7	17
112	Preaggregated Ag Nanoparticles in Dry Swellable Gel Films for Off-the-Shelf Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2014, 86, 8106-8113.	3.2	17
113	Pressing solids directly into sheets of plasmonic nanojunctions enables solvent-free surface-enhanced Raman spectroscopy. <i>Applied Materials Today</i> , 2018, 13, 352-358.	2.3	17
114	Ultra-Stable Plasmonic Colloidal Aggregates for Accurate and Reproducible Quantitative SE(R)RS in Protein-Rich Biomed. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19054-19059.	7.2	17
115	Forensic examination of multilayer white paint by lateral scanning Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 131-137.	1.2	16
116	Raman Analysis of Dilute Aqueous Samples by Localized Evaporation of Submicroliter Droplets on the Tips of Superhydrophobic Copper Wires. <i>Analytical Chemistry</i> , 2016, 88, 4541-4547.	3.2	16
117	Resonance Raman investigation of pH-dependent equilibria of water-soluble iron porphyrins. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 4017.	1.7	14
118	Superoleophobicity under vacuum. <i>Applied Physics Letters</i> , 2011, 98, 194102.	1.5	14
119	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 561-600.	1.6	14
120	Phosphonium Ionic Liquid-Infused Poly(vinyl chloride) Surfaces Possessing Potent Antifouling Properties. <i>ACS Omega</i> , 2020, 5, 7771-7781.	1.6	14
121	Modelling of the Sodium Complex of a Calixarene Tetraester in the 1,3-Alternate Conformation. <i>Journal of Molecular Modeling</i> , 1998, 4, 259-267.	0.8	13
122	Oxidized Recombinant Human Growth Hormone That Maintains Conformational Integrity. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 110-122.	1.6	13
123	Potential of Polymeric Films Loaded with Gold Nanorods for Local Hyperthermia Applications. <i>Nanomaterials</i> , 2020, 10, 582.	1.9	13
124	Uncovering strong π -metal interactions on Ag and Au nanosurfaces under ambient conditions via in-situ surface-enhanced Raman spectroscopy. <i>CheM</i> , 2022, 8, 2514-2528.	5.8	13
125	Ligand-field photolysis of the fischer complex, (OC) ₅ W η -C(OMe)Ph: time-resolved resonance Raman spectroscopic evidence for alkyl-metal interaction following co photodissociation. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1785-1787.	2.0	12
126	Investigation of the chemical origin and evidential value of differences in the SERS spectra of blue gel inks. <i>Analyst</i> , The, 2016, 141, 5152-5158.	1.7	12

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127	An overview of therapeutic anticancer drug monitoring based on surface enhanced (resonance) Raman spectroscopy (SE(R)RS). <i>Analyst, The</i> , 2020, 145, 6211-6221.	1.7	12
128	Plasmonic photothermal microneedle arrays and single needles for minimally-invasive deep in-skin hyperthermia. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5425-5433.	2.9	12
129	Taming Tris(bipyridine)ruthenium(II) and Its Reactions in Water by Capture/Release with Shape-Switchable Symmetry-Matched Cyclophanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4977-4988.	6.6	12
130	Molecular Modeling of Calixarenes with Group I Metal Ions. <i>Journal of Molecular Modeling</i> , 1998, 4, 44-52.	0.8	11
131	SERS and SERRS Detection of the DNA Lesion 8- <i>N</i> itroguanine: A Self-Labeling Modification. <i>Chemistry - A European Journal</i> , 2017, 23, 10663-10669.	1.7	11
132	Absorption spectra and dynamics of charge-transfer excited states of copper(I) complexes in solution. <i>Chemical Physics Letters</i> , 1986, 124, 336-340.	1.2	9
133	Time-Resolved Resonance Raman Scattering of Triplet State Anthracene in Supercritical CO ₂ . <i>The Journal of Physical Chemistry</i> , 1996, 100, 15704-15707.	2.9	9
134	Resonance Raman and surface-enhanced resonance Raman studies of polymer-modified electrodes which mimic heme enzymes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 2955-2960.	1.7	9
135	Pterin detection using surface-enhanced Raman spectroscopy incorporating a straightforward silver colloid-based synthesis technique. <i>Journal of Biomedical Optics</i> , 2011, 16, 077007.	1.4	9
136	Analysis of friction factor reduction in turbulent water flow using a superhydrophobic coating. <i>Progress in Organic Coatings</i> , 2016, 90, 472-476.	1.9	9
137	Supramolecular Low-Molecular-Weight Hydrogelator Stabilization of SERS-Active Aggregated Nanoparticles for Solution and Gas Sensing. <i>Langmuir</i> , 2017, 33, 8805-8812.	1.6	8
138	Examination of the Silver Colloid Binding Behavior of Disulfide-Tethered Bipyridine Ligands and Their <i>fac</i> -Tricarbonylrhenium(I) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 2738-2747.	1.9	7
139	Isolation and structural determination of non-racemic tertiary cathinone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9629-9636.	1.5	7
140	Surface-Enhanced Raman Spectroscopy for the Detection of a Metabolic Product in the Headspace Above Live Bacterial Cultures. <i>Angewandte Chemie</i> , 2018, 130, 15912-15916.	1.6	7
141	Superhydrophobic needles tipped with 2-dimensional arrays of plasmonic colloidal nanoparticles for microdroplet SERS analysis. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 386-393.	1.2	7
142	Raman scattering and scanning electron tunnelling studies of metal liquid-like films produced from silver and gold sols. <i>Journal of Raman Spectroscopy</i> , 1991, 22, 763-769.	1.2	6
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