

Steven Bell

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165
papers

7,838
citations

42
h-index

84
g-index

182
ext. papers

9,079
ext. citations

6.3
avg, IF

6.1
L-index

#	Paper	IF	Citations
165	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
164	Polyethylene multiwalled carbon nanotube composites. <i>Polymer</i> , 2005 , 46, 8222-8232	3.9	702
163	Surface-enhanced Raman spectroscopy (SERS) for sub-micromolar detection of DNA/RNA mononucleotides. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15580-1	16.4	353
162	Quantitative surface-enhanced Raman spectroscopy. <i>Chemical Society Reviews</i> , 2008 , 37, 1012-24	58.5	352
161	Remarkably simple fabrication of superhydrophobic surfaces using electroless galvanic deposition. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1710-2	16.4	298
160	Recent applications of Chemical Imaging to pharmaceutical process monitoring and quality control. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 10-22	5.7	215
159	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	16.4	159
158	SERS enhancement by aggregated Au colloids: effect of particle size. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7455-62	3.6	142
157	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, 7405-10	2.8	136
156	Label-free detection of single-base mismatches in DNA by surface-enhanced Raman spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9058-61	16.4	133
155	Quantitative surface-enhanced Raman spectroscopy of dipicolinic acid--towards rapid anthrax endospore detection. <i>Analyst, The</i> , 2005 , 130, 545-9	5	131
154	Resonance Raman Probing of the Interaction between Dipyrrophenazine Complexes of Ru(II) and DNA. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7130-7136	16.4	101
153	Better understanding of mechanochemical reactions: Raman monitoring reveals surprisingly simple Φ pseudo-fluid model for a ball milling reaction. <i>Chemical Communications</i> , 2014 , 50, 1585-7	5.8	99
152	A critical evaluation of Raman spectroscopy for the analysis of lipids: fatty acid methyl esters. <i>Lipids</i> , 2004 , 39, 407-19	1.6	98
151	Preliminary investigation of the application of Raman spectroscopy to the prediction of the sensory quality of beef silverside. <i>Meat Science</i> , 2004 , 66, 903-13	6.4	98
150	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	3.7	96
149	Composition profiling of seized ecstasy tablets by Raman spectroscopy. <i>Analyst, The</i> , 2000 , 125, 1811-5	5	88

148	Reduced-size polarized basis sets for calculations of molecular electric properties. I. The basis set generation. <i>Journal of Computational Chemistry</i> , 2005 , 26, 145-53	3.5	84
147	Rapid analysis of ecstasy and related phenethylamines in seized tablets by Raman spectroscopy. <i>Analyst, The</i> , 2000 , 125, 541-4	5	84
146	Prediction of adipose tissue composition using Raman spectroscopy: average properties and individual fatty acids. <i>Lipids</i> , 2006 , 41, 287-94	1.6	82
145	Stable and uniform SERS signals from self-assembled two-dimensional interfacial arrays of optically coupled Ag nanoparticles. <i>Analytical Chemistry</i> , 2013 , 85, 6783-9	7.8	81
144	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	6.2	78
143	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, 365-71	11.5	78
142	Controlling assembly of mixed thiol monolayers on silver nanoparticles to tune their surface properties. <i>ACS Nano</i> , 2012 , 6, 3718-26	16.7	75
141	Quantitative Raman spectroscopy of highly fluorescent samples using pseudosecond derivatives and multivariate analysis. <i>Analytical Chemistry</i> , 2001 , 73, 2058-65	7.8	75
140	Analysis of luminescent samples using subtracted shifted Raman spectroscopy. <i>Analyst, The</i> , 1998 , 123, 1729-1734	5	74
139	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	2.3	74
138	Anti-infective photodynamic biomaterials for the prevention of intraocular lens-associated infectious endophthalmitis. <i>Biomaterials</i> , 2009 , 30, 597-602	15.6	71
137	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, 1032-6	5	69
136	A Method for Promoting Assembly of Metallic and Nonmetallic Nanoparticles into Interfacial Monolayer Films. <i>Nano Letters</i> , 2016 , 16, 5255-60	11.5	68
135	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	2.8	66
134	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, 5394-400	4.8	54
133	Identification of dyes on ancient Chinese paper samples using the subtracted shifted Raman spectroscopy method. <i>Analytical Chemistry</i> , 2000 , 72, 234-9	7.8	54
132	Multivariate prediction of clarified butter composition using Raman spectroscopy. <i>Lipids</i> , 2004 , 39, 897-906	9.06	50
131	DNA reorientation on Au nanoparticles: label-free detection of hybridization by surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2011 , 47, 10966-8	5.8	49

130	Novel nanosuspension-based dissolving microneedle arrays for transdermal delivery of a hydrophobic drug. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018 , 3, 89-101	4	49
129	Compressed Metal Powders that Remain Superhydrophobic after Abrasion. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2703-2706	9.5	47
128	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	16.4	46
127	Raman spectroscopy for forensic examination of ketophenethylamine "legal highs": reference and seized samples of cathinone derivatives. <i>Analytica Chimica Acta</i> , 2012 , 711, 1-6	6.6	43
126	Novel porphyrin-incorporated hydrogels for photoactive intraocular lens biomaterials. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 527-34	3.4	43
125	Sheets of large superhydrophobic metal particles self assembled on water by the Cheerios effect. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5043-5	16.4	43
124	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	5.1	43
123	Classification of adipose tissue species using Raman spectroscopy. <i>Lipids</i> , 2007 , 42, 679-85	1.6	42
122	Tracking the distribution of "ecstasy" tablets by Raman composition profiling: a large scale feasibility study. <i>Analyst, The</i> , 2003 , 128, 1331-5	5	41
121	Reduced size polarized basis sets for calculations of molecular electric properties. III. Second row atoms. <i>Theoretical Chemistry Accounts</i> , 2005 , 113, 238-247	1.9	41
120	Surface enhanced Raman evidence for Ag ⁺ complexes of adenine, deoxyadenosine and 5'-dAMP formed in silver colloids. <i>Analyst, The</i> , 2010 , 135, 3034-7	5	40
119	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		40
118	Use of a hydrogel polymer for reproducible surface enhanced Raman optical activity (SEROA). <i>Chemical Communications</i> , 2011 , 47, 4754-6	5.8	39
117	Characterisation of fluidised bed granulation processes using in-situ Raman spectroscopy. <i>Chemical Engineering Science</i> , 2009 , 64, 91-98	4.4	39
116	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	5.1	38
115	Forensic analysis of architectural finishes using fourier transform infrared and Raman spectroscopy, part II: white paint. <i>Applied Spectroscopy</i> , 2005 , 59, 1340-6	3.1	37
114	Preliminary investigations on the effects of ageing and cooking on the Raman spectra of porcine longissimus dorsi. <i>Meat Science</i> , 2008 , 80, 1205-11	6.4	36
113	DFT Studies of the Resonance Raman Spectra of Ground and Excited Triplet State Free Base meso-Tetraphenylporphyrin (H ₂ TPP). <i>Journal of Physical Chemistry A</i> , 2003 , 107, 10953-10959	2.8	36

112	Infrared and Raman screening of seized novel psychoactive substances: a large scale study of >200 samples. <i>Analyst, The</i> , 2016 , 141, 902-9	5	35
111	Disposable, stable media for reproducible surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2001 , 126, 1-3	5	35
110	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		34
109	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	5.1	34
108	Simple preparation of positively charged silver nanoparticles for detection of anions by surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2015 , 140, 2988-94	5	33
107	Tutorial review. Time-resolved resonance Raman spectroscopy. <i>Analyst, The</i> , 1996 , 121, 107R	5	33
106	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		32
105	Surface-Enhanced Raman Spectroscopy as a Probe of the Surface Chemistry of Nanostructured Materials. <i>Advanced Materials</i> , 2016 , 28, 5705-11	24	32
104	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, 9925-8	5.8	31
103	Rapid One-Pot Preparation of Large Freestanding Nanoparticle-Polymer Films. <i>Small</i> , 2017 , 13, 160216311		31
102	Forensic analysis of architectural finishes using fourier transform infrared and Raman spectroscopy, part I: the resin bases. <i>Applied Spectroscopy</i> , 2005 , 59, 1333-9	3.1	31
101	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, 4523-5	5.8	30
100	Fluidised bed characterisation using Raman spectroscopy: Applications to pharmaceutical processing. <i>Chemical Engineering Science</i> , 2007 , 62, 3832-3838	4.4	30
99	Rapid forensic analysis and identification of architectural finishes using Raman spectroscopy. <i>Applied Spectroscopy</i> , 2005 , 59, 100-8	3.1	30
98	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	4.2	29
97	Resonance-Raman probing of the interaction between dipyrrophenazine complexes of ruthenium(II) and DNA. <i>Chemical Communications</i> , 1996 , 35	5.8	29
96	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		29
95	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	3.8	28

94	Co-melt fluidised bed granulation of pharmaceutical powders: Improvements in drug bioavailability. <i>Chemical Engineering Science</i> , 2007 , 62, 451-462	4.4	28
93	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, 154-9	3.5	27
92	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	8.5	26
91	Nucleation and growth in fluidised hot melt granulation. <i>Powder Technology</i> , 2009 , 189, 230-237	5.2	26
90	Screening tablets for DOB using surface-enhanced Raman spectroscopy. <i>Journal of Forensic Sciences</i> , 2007 , 52, 1063-7	1.8	26
89	Determination of hydrogen peroxide concentration using a handheld Raman spectrometer: Detection of an explosives precursor. <i>Forensic Science International</i> , 2012 , 216, e5-8	2.6	25
88	Examination of the physical state of chlorhexidine within viscoelastic, bioadhesive semisolids using raman spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 563-71	3.9	25
87	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		25
86	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	16.4	25
85	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	16.4	25
84	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		24
83	Surface-enhanced Raman spectroscopy of novel psychoactive substances using polymer-stabilized Ag nanoparticle aggregates. <i>Chemical Communications</i> , 2016 , 52, 493-6	5.8	23
82	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		23
81	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		22
80	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	5	21
79	Theory of SERS enhancement: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 173-211	3.6	21
78	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	2.3	21
77	Characterization of silicone elastomer vaginal rings containing HIV microbicide TMC120 by Raman spectroscopy. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 203-7	4.8	21

76	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	2.8	21
75	Resonance Raman spectra of charge-transfer excited states of copper(I) complexes. <i>Inorganic Chemistry</i> , 1986 , 25, 4325-4327	5.1	21
74	Quantitative surface-enhanced Raman spectroscopy of single bases in oligodeoxynucleotides. <i>Faraday Discussions</i> , 2017 , 205, 517-536	3.6	19
73	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		19
72	Assessment of roughness and chemical modification in determining the hydrophobic properties of metals. <i>New Journal of Chemistry</i> , 2008 , 32, 1215	3.6	18
71	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	6.7	17
70	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	3.5	17
69	Label-Free Detection of Single-Base Mismatches in DNA by Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2011 , 123, 9224-9227	3.6	16
68	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	7.7	16
67	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	6.9	15
66	Preaggregated Ag nanoparticles in dry swellable gel films for off-the-shelf surface-enhanced Raman spectroscopy. <i>Analytical Chemistry</i> , 2014 , 86, 8106-13	7.8	15
65	SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 429-456	3.6	15
64	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		15
63	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		15
62	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, 4541-7	7.8	15
61	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	12.8	14
60	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, 111-6	6.6	13
59	Time-Resolved Resonance Raman Spectroscopy and Raman Spectroelectrochemistry of (CO)5W[4,4Gbp]W(CO)5, Probed in the Visible and Near Infrared. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 12268-12273		13

58	Pressing solids directly into sheets of plasmonic nanojunctions enables solvent-free surface-enhanced Raman spectroscopy. <i>Applied Materials Today</i> , 2018 , 13, 352-358	6.6	13
57	Filter paper based SERS substrate for the direct detection of analytes in complex matrices. <i>Analyst, The</i> , 2021 , 146, 1281-1288	5	13
56	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	6.6	12
55	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	4.6	12
54	Forensic examination of multilayer white paint by lateral scanning Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 131-137	2.3	12
53	Oxidized recombinant human growth hormone that maintains conformational integrity. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 110-22	3.9	12
52	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	2	12
51	Molecular Modeling of Calixarenes with Group I Metal Ions. <i>Journal of Molecular Modeling</i> , 1998 , 4, 44-52		11
50	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	7.1	11
49	Superoleophobicity under vacuum. <i>Applied Physics Letters</i> , 2011 , 98, 194102	3.4	10
48	Ligand-field photolysis of the fischer complex, (OC)5WC(OMe)Ph: time-resolved resonance Raman spectroscopic evidence for alkylmetal interaction following co photodissociation. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1785-1787		10
47	Analysis of friction factor reduction in turbulent water flow using a superhydrophobic coating. <i>Progress in Organic Coatings</i> , 2016 , 90, 472-476	4.8	9
46	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	5	9
45	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 561-600	3.6	9
44	Resonance Raman investigation of pH-dependent equilibria of water-soluble iron porphyrins. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 4017		9
43	Absorption spectra and dynamics of charge-transfer excited states of copper(I) complexes in solution. <i>Chemical Physics Letters</i> , 1986 , 124, 336-340	2.5	9
42	SERS and SERRS Detection of the DNA Lesion 8-Nitroguanine: A Self-Labeling Modification. <i>Chemistry - A European Journal</i> , 2017 , 23, 10663-10669	4.8	8
41	Potential of Polymeric Films Loaded with Gold Nanorods for Local Hyperthermia Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	8

40	Time-Resolved Resonance Raman Scattering of Triplet State Anthracene in Supercritical CO ₂ . <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15704-15707		8
39	Phosphonium Ionic Liquid-Infused Poly(vinyl chloride) Surfaces Possessing Potent Antifouling Properties. <i>ACS Omega</i> , 2020 , 5, 7771-7781	3.9	8
38	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	7.3	7
37	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	16.4	7
36	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		7
35	Isolation and structural determination of non-racemic tertiary cathinone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9629-36	3.9	6
34	Investigation of the chemical origin and evidential value of differences in the SERS spectra of blue gel inks. <i>Analyst, The</i> , 2016 , 141, 5152-8	5	6
33	Supramolecular Low-Molecular-Weight Hydrogelator Stabilization of SERS-Active Aggregated Nanoparticles for Solution and Gas Sensing. <i>Langmuir</i> , 2017 , 33, 8805-8812	4	6
32	Examination of the silver colloid binding behavior of disulfide-tethered bipyridine ligands and their fac-tricarbonylrheniumI complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 2738-47	5.1	6
31	Pterin detection using surface-enhanced Raman spectroscopy incorporating a straightforward silver colloid-based synthesis technique. <i>Journal of Biomedical Optics</i> , 2011 , 16, 077007	3.5	6
30	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	2.3	6
29	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		6
28	Raman spectroscopy as a predictive tool for monitoring osteoporosis therapy in a rat model of postmenopausal osteoporosis. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 25	4.5	5
27	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	3.6	5
26	Ultraviolet Resonance Raman spectroscopy used to study formulations of salmon calcitonin, a starch-peptide conjugate and TGF- β . <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 392-8	5.7	4
25	UV-VIS and resonance Raman spectroelectrochemical properties of transition metal centres immobilised within a poly(amino acid) matrix: illustrated with an iron porphyrin. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 221		4
24	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	5	4
23	Production and testing of novel photocatalytic TiO ₂ surface-exposed nanoparticle (TiO ₂ -SEN) thin plastic films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 369, 142-149	4.7	4

22	Auf dem Weg zur verlässlichen und quantitativen SERS-Spektroskopie: von Schlüsselparametern zur guten analytischen Praxis. <i>Angewandte Chemie</i> , 2020 , 132, 5496-5505	3.6	4
21	Dataset demonstrating the working-principles of surface-exposed nanoparticle sheet enhanced Raman spectroscopy (SENSERS) for solvent-free SERS. <i>Data in Brief</i> , 2019 , 23, 103746	1.2	3
20	Raman Spectroscopy for Forensic Analysis of Household and Automotive Paints 2012 , 121-135		3
19	Quantitative Analysis of Solid Dosage Formulations by Raman Spectroscopy 29-64		3
18	A readily assembled triple spectrometer for pulsed laser-excited Raman scattering with multichannel detection: Resonance Raman spectra in solution of a bridged species, [Cu(4,4'-bipyridyl)(PPh ₃) ₂ ClO ₄] _m , and of photogenerated transients in metal carbene complexes, (CO)5W=C(OR)R?. <i>Journal of Raman Spectroscopy</i> , 1989 , 20, 105-109	2.3	3
17	Time-Resolved Resonance Raman Spectroscopy of Excited-State Porphyrins. <i>Laser Chemistry</i> , 1999 , 19, 271-274		3
16	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	2.3	3
15	Metal Nanoparticles: Rapid One-Pot Preparation of Large Freestanding Nanoparticle-Polymer Films (Small 2/2017). <i>Small</i> , 2017 , 13,	11	2
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