

Duncan Graham

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280
papers

12,546
citations

54
h-index

101
g-index

320
ext. papers

14,391
ext. citations

7.3
avg, IF

6.53
L-index

#	Paper	IF	Citations
280	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
279	Gold nanoparticles for the improved anticancer drug delivery of the active component of oxaliplatin. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4678-84	16.4	628
278	Oxygen reactions in a non-aqueous Li ⁺ electrolyte. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6351-5	16.4	472
277	Surface-enhanced Raman scattering (SERS) and surface-enhanced resonance Raman scattering (SERRS): a review of applications. <i>Applied Spectroscopy</i> , 2011 , 65, 825-37	3.1	435
276	Control of enhanced Raman scattering using a DNA-based assembly process of dye-coded nanoparticles. <i>Nature Nanotechnology</i> , 2008 , 3, 548-51	28.7	328
275	Molecularly-mediated assemblies of plasmonic nanoparticles for Surface-Enhanced Raman Spectroscopy applications. <i>Chemical Society Reviews</i> , 2012 , 41, 7085-107	58.5	319
274	Surface-enhanced Raman spectroscopy for in vivo biosensing. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	234
273	Evaluation of surface-enhanced resonance Raman scattering for quantitative DNA analysis. <i>Analytical Chemistry</i> , 2004 , 76, 412-7	7.8	225
272	Ultrasensitive DNA detection using oligonucleotide-silver nanoparticle conjugates. <i>Analytical Chemistry</i> , 2008 , 80, 2805-10	7.8	216
271	Rapid and ultra-sensitive determination of enzyme activities using surface-enhanced resonance Raman scattering. <i>Nature Biotechnology</i> , 2004 , 22, 1133-8	44.5	166
270	Selective Detection of Deoxyribonucleic Acid at Ultralow Concentrations by SERRS. <i>Analytical Chemistry</i> , 1997 , 69, 4703-4707	7.8	148
269	Comparison of surface-enhanced resonance Raman scattering from unaggregated and aggregated nanoparticles. <i>Analytical Chemistry</i> , 2004 , 76, 592-8	7.8	146
268	Surface enhanced spatially offset Raman spectroscopic (SESORS) imaging II the next dimension. <i>Chemical Science</i> , 2011 , 2, 776	9.4	141
267	Quantitative SERRS for DNA sequence analysis. <i>Chemical Society Reviews</i> , 2008 , 37, 1042-51	58.5	135
266	Quantitative simultaneous multianalyte detection of DNA by dual-wavelength surface-enhanced resonance Raman scattering. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1829-31	16.4	128
265	Enhanced oligonucleotide-nanoparticle conjugate stability using thioctic acid modified oligonucleotides. <i>Nucleic Acids Research</i> , 2007 , 35, 3668-75	20.1	125
264	Direct surface-enhanced Raman scattering analysis of DNA duplexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1144-8	16.4	124

263	SERS Detection of Multiple Antimicrobial-Resistant Pathogens Using Nanosensors. <i>Analytical Chemistry</i> , 2017 , 89, 12666-12673	7.8	122
262	SERRS as a more sensitive technique for the detection of labelled oligonucleotides compared to fluorescence. <i>Analyst, The</i> , 2004 , 129, 567-8	5	122
261	Simple multiplex genotyping by surface-enhanced resonance Raman scattering. <i>Analytical Chemistry</i> , 2002 , 74, 1069-74	7.8	122
260	Synthesis and physical properties of anti-HIV antisense oligonucleotides bearing terminal lipophilic groups. <i>Nucleic Acids Research</i> , 1992 , 20, 3411-7	20.1	121
259	Oxygen Reactions in a Non-Aqueous Li ⁺ Electrolyte. <i>Angewandte Chemie</i> , 2011 , 123, 6475-6479	3.6	118
258	Quantitative enhanced Raman scattering of labeled DNA from gold and silver nanoparticles. <i>Small</i> , 2007 , 3, 1593-601	11	116
257	Simultaneous detection and quantification of three bacterial meningitis pathogens by SERS. <i>Chemical Science</i> , 2014 , 5, 1030-1040	9.4	114
256	Prospects of deep Raman spectroscopy for noninvasive detection of conjugated surface enhanced resonance Raman scattering nanoparticles buried within 25 mm of mammalian tissue. <i>Analytical Chemistry</i> , 2010 , 82, 3969-73	7.8	112
255	Assessment of silver and gold substrates for the detection of amphetamine sulfate by surface enhanced Raman scattering (SERS). <i>Analyst, The</i> , 2002 , 127, 282-6	5	111
254	Surface modification of gold nanoparticles with neuron-targeted exosome for enhanced blood-brain barrier penetration. <i>Scientific Reports</i> , 2019 , 9, 8278	4.9	109
253	Multiplexed detection of six labelled oligonucleotides using surface enhanced resonance Raman scattering (SERRS). <i>Analyst, The</i> , 2008 , 133, 1505-12	5	108
252	Surface enhanced optical spectroscopies for bioanalysis. <i>Analyst, The</i> , 2011 , 136, 3831-53	5	104
251	Chromophore containing bipyridyl ligands. Part 1: supramolecular solid-state structure of Ag(I) complexes. <i>New Journal of Chemistry</i> , 2005 , 29, 826	3.6	103
250	Importance of nanoparticle size in colorimetric and SERS-based multimodal trace detection of Ni(II) ions with functional gold nanoparticles. <i>Small</i> , 2012 , 8, 707-14	11	99
249	Biosensing using silver nanoparticles and surface enhanced resonance Raman scattering. <i>Chemical Communications</i> , 2006 , 4363-71	5.8	96
248	Detection and identification of labeled DNA by surface enhanced resonance Raman scattering. <i>Biopolymers</i> , 2000 , 57, 85-91	2.2	96
247	Surface-Enhanced Resonance Raman Scattering as a Novel Method of DNA Discrimination The authors wish to thank the BBSRC for the award of a David Phillips Fellowship to D.G., Zeneca Diagnostics for funding to B.J.M., and the OSWEL DNA unit, University of Southampton (UK), for supplying the modified oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1061-1063	16.4	88
246	Recent developments in quantitative SERS: Moving towards absolute quantification. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 359-368	14.6	84

245	Through-space transfer of chiral information mediated by a plasmonic nanomaterial. <i>Nature Chemistry</i> , 2015 , 7, 591-6	17.6	78
244	Quantitative detection of human tumor necrosis factor β by a resonance raman enzyme-linked immunosorbent assay. <i>Analytical Chemistry</i> , 2011 , 83, 297-302	7.8	78
243	Introducing dip pen nanolithography as a tool for controlling stem cell behaviour: unlocking the potential of the next generation of smart materials in regenerative medicine. <i>Lab on A Chip</i> , 2010 , 10, 1662-70	7.2	76
242	Cisplatin-tethered gold nanoparticles that exhibit enhanced reproducibility, drug loading, and stability: a step closer to pharmaceutical approval?. <i>Inorganic Chemistry</i> , 2012 , 51, 3490-7	5.1	75
241	Simultaneous detection of alkaline phosphatase and beta-galactosidase activity using SERRS. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1569-71	2.9	74
240	SERRS. In situ substrate formation and improved detection using microfluidics. <i>Analytical Chemistry</i> , 2002 , 74, 1503-8	7.8	72
239	DNA sequence detection using surface-enhanced resonance Raman spectroscopy in a homogeneous multiplexed assay. <i>Analytical Chemistry</i> , 2009 , 81, 8134-40	7.8	68
238	Au@Ag SERRS tags coupled to a lateral flow immunoassay for the sensitive detection of pneumolysin. <i>Nanoscale</i> , 2017 , 9, 2051-2058	7.7	67
237	The next generation of advanced spectroscopy: surface enhanced Raman scattering from metal nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9325-7	16.4	67
236	Positively charged silver nanoparticles and their effect on surface-enhanced Raman scattering of dye-labelled oligonucleotides. <i>Chemical Communications</i> , 2012 , 48, 8192-4	5.8	66
235	Separation free DNA detection using surface enhanced Raman scattering. <i>Analytical Chemistry</i> , 2011 , 83, 5817-21	7.8	66
234	Surface-enhanced Raman scattering spectroscopy as a sensitive and selective technique for the detection of folic acid in water and human serum. <i>Applied Spectroscopy</i> , 2008 , 62, 371-6	3.1	66
233	Surface enhanced Raman spectroscopy (SERS): Potential applications for disease detection and treatment. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014 , 21, 40-53	16.4	65
232	Bead-based DNA diagnostic assay for chlamydia using nanoparticle-mediated surface-enhanced resonance Raman scattering detection within a lab-on-a-chip format. <i>Analytical Chemistry</i> , 2007 , 79, 2844-9	7.8	64
231	Practical control of SERRS enhancement. <i>Faraday Discussions</i> , 2006 , 132, 135-45; discussion 147-58	3.6	63
230	SERRS labelled beads for multiplex detection. <i>Faraday Discussions</i> , 2006 , 132, 303-8; discussion 309-19	3.6	60
229	SERRS dyes. Part I. Synthesis of benzotriazole monoazo dyes as model analytes for surface enhanced resonance Raman scattering. <i>Analyst, The</i> , 2002 , 127, 838-41	5	57
228	3D optical imaging of multiple SERS nanotags in cells. <i>Chemical Science</i> , 2013 , 4, 3566	9.4	54

227	DNA detection by surface enhanced resonance Raman scattering (SERRS). <i>Analyst, The</i> , 2005 , 130, 1125-31	5.8	52
226	Silver and magnetic nanoparticles for sensitive DNA detection by SERS. <i>Chemical Communications</i> , 2014 , 50, 12907-10	5.8	52
225	The first SERRS multiplexing from labelled oligonucleotides in a microfluidics lab-on-a-chip. <i>Chemical Communications</i> , 2004 , 118-9	5.8	52
224	Bioanalytical Measurements Enabled by Surface-Enhanced Raman Scattering (SERS) Probes. <i>Annual Review of Analytical Chemistry</i> , 2017 , 10, 415-437	12.5	51
223	Detection of inflammation in vivo by surface-enhanced Raman scattering provides higher sensitivity than conventional fluorescence imaging. <i>Analytical Chemistry</i> , 2012 , 84, 5968-75	7.8	50
222	Tuning the interparticle distance in nanoparticle assemblies in suspension via DNA-triplex formation: correlation between plasmonic and surface-enhanced Raman scattering responses. <i>Chemical Science</i> , 2012 , 3, 2262	9.4	50
221	Synthesis of novel monoazo benzotriazole dyes specifically for surface enhanced resonance Raman scattering. <i>Chemical Communications</i> , 1998 , 1187-1188	5.8	50
220	Comparison of surface-enhanced resonance Raman scattering and fluorescence for detection of a labeled antibody. <i>Analytical Chemistry</i> , 2008 , 80, 2351-6	7.8	48
219	Assessing the Location of Surface Plasmons Over Nanotriangle and Nanohole Arrays of Different Size and Periodicity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6884-6892	3.8	47
218	The past, present and future of enzyme measurements using surface enhanced Raman spectroscopy. <i>Chemical Science</i> , 2010 , 1, 151	9.4	46
217	Quantitative SERRS immunoassay for the detection of human PSA. <i>Analyst, The</i> , 2009 , 134, 842-4	5	45
216	A new approach for DNA detection by SERRS. <i>Faraday Discussions</i> , 2006 , 132, 261-8; discussion 309-19	3.6	45
215	LNA functionalized gold nanoparticles as probes for double stranded DNA through triplex formation. <i>Chemical Communications</i> , 2008 , 2367-9	5.8	44
214	Sequence-specific DNA detection using high-affinity LNA-functionalized gold nanoparticles. <i>Small</i> , 2007 , 3, 1866-8	11	44
213	Directed assembly of DNA-functionalized gold nanoparticles using pyrrole-imidazole polyamides. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8356-9	16.4	42
212	DNA detection using enzymatic signal production and SERS. <i>Chemical Communications</i> , 2011 , 47, 4649-51	5.8	42
211	Confocal SERS mapping of glycan expression for the identification of cancerous cells. <i>Analytical Chemistry</i> , 2014 , 86, 4775-82	7.8	41
210	SERS primers and their mode of action for pathogen DNA detection. <i>Analytical Chemistry</i> , 2013 , 85, 1408-14	7.8	41

209	SERRS-based enzymatic probes for the detection of protease activity. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11846-7	16.4	41
208	Selective functionalisation of TNT for sensitive detection by SERRS. <i>Chemical Communications</i> , 2002 , 580-1	5.8	41
207	SERS activity and stability of the most frequently used silver colloids. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 202-206	2.3	40
206	Surface-Enhanced Raman Scattering Investigation of Hollow Gold Nanospheres. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8338-8342	3.8	40
205	multiplex molecular imaging of vascular inflammation using surface-enhanced Raman spectroscopy. <i>Theranostics</i> , 2018 , 8, 6195-6209	12.1	40
204	2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer. <i>Nature Communications</i> , 2020 , 11, 2508	17.4	39
203	Synthesis and NIR optical properties of hollow gold nanospheres with LSPR greater than one micrometer. <i>Nanoscale</i> , 2013 , 5, 765-71	7.7	39
202	Comparison of Resonant and Non Resonant Conditions on the Concentration Dependence of Surface Enhanced Raman Scattering from a Dye Adsorbed on Silver Colloid. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 5408-5412	3.4	39
201	Quantitative assessment of surface-enhanced resonance Raman scattering for the analysis of dyes on colloidal silver. <i>Analytical Chemistry</i> , 1999 , 71, 596-601	7.8	39
200	Silver colloids as plasmonic substrates for direct label-free surface-enhanced Raman scattering analysis of DNA. <i>Analyst, The</i> , 2016 , 141, 5170-80	5	39
199	Detection of SERS active labelled DNA based on surface affinity to silver nanoparticles. <i>Analyst, The</i> , 2012 , 137, 2063-8	5	38
198	Combining functionalised nanoparticles and SERS for the detection of DNA relating to disease. <i>Faraday Discussions</i> , 2011 , 149, 291-9; discussion 333-56	3.6	38
197	A new approach to oligonucleotide labelling using Diels-Alder cycloadditions and detection by SERRS. <i>Chemical Communications</i> , 2002 , 2100-1	5.8	38
196	Extreme red shifted SERS nanotags. <i>Chemical Science</i> , 2015 , 6, 2302-2306	9.4	37
195	Direct Surface-Enhanced Raman Scattering Analysis of DNA Duplexes. <i>Angewandte Chemie</i> , 2015 , 127, 1160-1164	3.6	37
194	Rationally designed SERS active silica coated silver nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 4415-7	5.8	37
193	Formation of SERS active nanoparticle assemblies via specific carbohydrate-protein interactions. <i>Chemical Communications</i> , 2013 , 49, 30-2	5.8	36
192	Synthesis of size tunable monodispersed silver nanoparticles and the effect of size on SERS enhancement. <i>Vibrational Spectroscopy</i> , 2014 , 71, 41-46	2.1	36

191	Cholesteryl-conjugated phosphorothioate oligodeoxynucleotides modulate CYP2B1 expression in vivo. <i>Journal of Drug Targeting</i> , 1995 , 2, 477-85	5.4	35
190	Surface-Enhanced Raman Scattering Based Microfluidics for Single-Cell Analysis. <i>Analytical Chemistry</i> , 2018 , 90, 12004-12010	7.8	35
189	Quantitative detection of dye labelled DNA using surface enhanced resonance Raman scattering (SERRS) from silver nanoparticles. <i>Talanta</i> , 2005 , 67, 667-71	6.2	34
188	Multiple labelled nanoparticles for bio detection. <i>Faraday Discussions</i> , 2004 , 126, 281-8; discussion 303-136	3.6	34
187	Characterization of novel Ag on TiO ₂ films for surface-enhanced Raman scattering. <i>Applied Spectroscopy</i> , 2004 , 58, 922-8	3.1	34
186	Surface enhanced resonance Raman scattering (SERRS)--a first example of its use in multiplex genotyping. <i>ChemPhysChem</i> , 2001 , 2, 746-8	3.2	34
185	Tracking bisphosphonates through a 20 mm thick porcine tissue by using surface-enhanced spatially offset Raman spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8509-11	16.4	33
184	Highly sensitive detection of dye-labelled DNA using nanostructured gold surfaces. <i>Chemical Communications</i> , 2007 , 2811-3	5.8	33
183	A multi-component optimisation of experimental parameters for maximising SERS enhancements. <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 618-623	2.3	32
182	SERRS detection of PNA and DNA labelled with a specifically designed benzotriazole azo dye. <i>Chemical Communications</i> , 2001 , 1002-1003	5.8	32
181	Ratiometric analysis using Raman spectroscopy as a powerful predictor of structural properties of fatty acids. <i>Royal Society Open Science</i> , 2018 , 5, 181483	3.3	32
180	Palladium(0) NHC complexes: a new avenue to highly efficient phosphorescence. <i>Chemical Science</i> , 2015 , 6, 3248-3261	9.4	31
179	An investigation into the simultaneous enzymatic and SERRS properties of silver nanoparticles. <i>Analyst, The</i> , 2013 , 138, 6347-53	5	31
178	From micro to nano: analysis of surface-enhanced resonance Raman spectroscopy active sites via multiscale correlations. <i>Analytical Chemistry</i> , 2006 , 78, 224-30	7.8	31
177	Surface-Enhanced, Spatially Offset Raman Spectroscopy (SESORS) in Tissue Analogues. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25488-25494	9.5	30
176	Nanoparticles and inflammation. <i>Scientific World Journal, The</i> , 2011 , 11, 1300-12	2.2	30
175	Identification and characterization of active and inactive species for surface-enhanced resonance Raman scattering. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3454-9	3.4	30
174	A novel nanozyme assay utilising the catalytic activity of silver nanoparticles and SERRS. <i>Analyst, The</i> , 2017 , 142, 2484-2490	5	29

173	Through tissue imaging of a live breast cancer tumour model using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Science</i> , 2018 , 9, 3788-3792	9.4	29
172	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2859-68	4.4	29
171	Rapid prototyping of poly(dimethoxysiloxane) dot arrays by dip-pen nanolithography. <i>Chemical Science</i> , 2011 , 2, 211-215	9.4	29
170	Investigation of cellular uptake mechanism of functionalised gold nanoparticles into breast cancer using SERS. <i>Chemical Science</i> , 2020 , 11, 5819-5829	9.4	28
169	Fabricating protein immunoassay arrays on nitrocellulose using dip-pen lithography techniques. <i>Analyst, The</i> , 2011 , 136, 2925-30	5	28
168	Dynamic Imaging Analysis of SERS-Active Nanoparticle Clusters in Suspension. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18115-18120	3.8	28
167	Quantitative Simultaneous Multianalyte Detection of DNA by Dual-Wavelength Surface-Enhanced Resonance Raman Scattering. <i>Angewandte Chemie</i> , 2007 , 119, 1861-1863	3.6	28
166	Internal labeling of oligonucleotide probes by Diels-Alder cycloaddition. <i>Tetrahedron Letters</i> , 2002 , 43, 4785-4788	2	28
165	1064 nm SERS of NIR active hollow gold nanotags. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1980-6	3.6	27
164	Improved Versatility of Silver Nanoparticle Dimers for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13249-13254	3.8	27
163	Micro-/nano-patterning of DNA and rapid readout with SERS tags. <i>Chemical Communications</i> , 2010 , 46, 5292-4	5.8	27
162	SERRS immunoassay for quantitative human CRP analysis. <i>Analyst, The</i> , 2008 , 133, 1355-7	5	27
161	Detection of DNA probes using Diels Alder cycloaddition and SERRS. <i>Analyst, The</i> , 2003 , 128, 692-9	5	27
160	Ordered Silver and Copper Nanorod Arrays for Enhanced Raman Scattering Created via Guided Oblique Angle Deposition on Polymer. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4878-4884	3.8	26
159	Analysis of intracellular enzyme activity by surface enhanced Raman scattering. <i>Analyst, The</i> , 2013 , 138, 6331-6	5	26
158	A TEM and electron energy loss spectroscopy (EELS) investigation of active and inactive silver particles for surface enhanced resonance Raman spectroscopy (SERRS). <i>Faraday Discussions</i> , 2006 , 132, 171-8; discussion 227-47	3.6	26
157	Molecular imaging of atherosclerosis: spotlight on Raman spectroscopy and surface-enhanced Raman scattering. <i>Heart</i> , 2018 , 104, 460-467	5.1	26
156	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020 , 92, 4053-4064	7.8	25

155	Growth and surface-enhanced Raman scattering of Ag nanoparticle assembly in agarose gel. <i>Measurement Science and Technology</i> , 2012 , 23, 084006	2	25
154	The optimisation of facile substrates for surface enhanced Raman scattering through galvanic replacement of silver onto copper. <i>Analyst, The</i> , 2012 , 137, 2791-8	5	24
153	Synthesis of unique nanostructures with novel optical properties using oligonucleotide mixed-metal nanoparticle conjugates. <i>Small</i> , 2008 , 4, 1054-7	11	24
152	SERRS dyes. <i>Analyst, The</i> , 2004 , 129, 69	5	24
151	Detection of cardiovascular disease associated miR-29a using paper-based microfluidics and surface enhanced Raman scattering. <i>Analyst, The</i> , 2020 , 145, 983-991	5	24
150	Immunoassay for P38 MAPK using surface enhanced resonance Raman spectroscopy (SERRS). <i>Analyst, The</i> , 2008 , 133, 791-6	5	23
149	Rapid cell mapping using nanoparticles and SERRS. <i>Analyst, The</i> , 2009 , 134, 170-5	5	22
148	Oligonucleotide conjugation to a cell-penetrating (TAT) peptide by Diels-Alder cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3781-7	3.9	22
147	Simultaneous multianalyte identification of molecular species involved in terrorism using Raman spectroscopy. <i>IEEE Sensors Journal</i> , 2005 , 5, 632-640	4	22
146	The first controlled reduction of the high explosive RDX. <i>Chemical Communications</i> , 2002 , 2514-2515	5.8	22
145	Proton-Conductive Melanin-Like Fibers through Enzymatic Oxidation of a Self-Assembling Peptide. <i>Advanced Materials</i> , 2020 , 32, e2003511	24	22
144	Theory of SERS enhancement: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 173-211	3.6	21
143	Synthesis, characterization and luminescence studies of gold(I)-NHC amide complexes. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2216-23	2.5	21
142	Stable dye-labelled oligonucleotide-nanoparticle conjugates for nucleic acid detection. <i>Nanoscale</i> , 2011 , 3, 3221-7	7.7	21
141	Nanoscale definition of substrate materials to direct human adult stem cells towards tissue specific populations. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1021-9	4.5	21
140	Rapid Raman mapping for chocolate analysis. <i>Analytical Methods</i> , 2010 , 2, 1230	3.2	20
139	Nanosensing protein allostery using a bivalent mouse double minute two (MDM2) assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8073-8	11.5	20
138	In situ detection of pterins by SERS. <i>Analyst, The</i> , 2009 , 134, 1561-4	5	20

137	SERRS dyes. Part 3. Synthesis of reactive benzotriazole azo dyes for surface enhanced resonance Raman scattering. <i>Analyst, The</i> , 2004 , 129, 975-8	5	20
136	Synthesis of SERS active nanoparticles for detection of biomolecules. <i>Tetrahedron</i> , 2012 , 68, 1230-1240	2.4	19
135	SERRS coded nanoparticles for biomolecular labelling with wavelength-tunable discrimination. <i>Analyst, The</i> , 2009 , 134, 549-56	5	19
134	8-hydroxyquinolinyl azo dyes: a class of surface-enhanced resonance Raman scattering-based probes for ultrasensitive monitoring of enzymatic activity. <i>Analytical Chemistry</i> , 2007 , 79, 8578-83	7.8	19
133	Synthesis of a benzotriazole azo dye phosphoramidite for labelling of oligonucleotides. <i>Tetrahedron Letters</i> , 2003 , 44, 1339-1342	2	19
132	Tracking intracellular uptake and localisation of alkyne tagged fatty acids using Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 197, 30-36	4.4	18
131	Turning up the lights--fabrication of brighter SERRS nanotags. <i>Chemical Communications</i> , 2010 , 46, 5247-58	5.8	18
130	Mixed metal nanoparticle assembly and the effect on surface-enhanced Raman scattering. <i>Nanoscale</i> , 2010 , 2, 78-80	7.7	18
129	Quantitation of biomolecules conjugated to nanoparticles by enzyme hydrolysis. <i>Chemical Communications</i> , 2009 , 2872-4	5.8	18
128	Functionalized nanoparticles for bioanalysis by SERRS. <i>Biochemical Society Transactions</i> , 2009 , 37, 697-701	5.1	18
127	Squaraines as unique reporters for SERRS multiplexing. <i>Chemical Communications</i> , 2008 , 567-9	5.8	18
126	Bacterial meningitis pathogens identified in clinical samples using a SERS DNA detection assay. <i>Analytical Methods</i> , 2015 , 7, 1269-1272	3.2	17
125	Detection of Multiple Nitroaromatic Explosives via Formation of a Janowsky Complex and SERS. <i>Analytical Chemistry</i> , 2020 , 92, 3253-3261	7.8	17
124	Multiplex imaging of live breast cancer tumour models through tissue using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Communications</i> , 2018 , 54, 8530-8533	5.8	17
123	Synthesis and characterisation of monodispersed silver nanoparticles with controlled size ranges. <i>Micro and Nano Letters</i> , 2008 , 3, 62	0.9	17
122	Cycloadditions as a Method for Oligonucleotide Conjugation. <i>Current Organic Synthesis</i> , 2006 , 3, 9-17	1.9	17
121	Electron-deficient benzotriazoles for the selective N-acetylation of nucleosides. <i>Tetrahedron Letters</i> , 2006 , 47, 4201-4203	2	17
120	Through barrier detection of ethanol using handheld Raman spectroscopy. Conventional Raman versus spatially offset Raman spectroscopy (SORS). <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1828-1838	2.3	16

119	Functionalisation of hollow gold nanospheres for use as stable, red-shifted SERS nanotags. <i>Nanoscale</i> , 2015 , 7, 6075-82	7.7	16
118	Preferential Attachment of Specific Fluorescent Dyes and Dye Labeled DNA Sequences in a Surface Enhanced Raman Scattering Multiplex. <i>Analytical Chemistry</i> , 2016 , 88, 1147-53	7.8	16
117	Precise Control of the Assembly of Dye-Coded Oligonucleotide Silver Nanoparticle Conjugates with Single Base Mismatch Discrimination Using Surface Enhanced Resonance Raman Scattering□ <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7384-7389	3.8	16
116	Correlated AFM and SERS imaging of the transition from nanotriangle to nanohole arrays. <i>Chemical Communications</i> , 2011 , 47, 3404-6	5.8	16
115	Quantitative surface-enhanced resonance Raman scattering of phthalocyanine-labelled oligonucleotides. <i>Nucleic Acids Research</i> , 2007 , 35, e42	20.1	16
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