

# Duncan Graham

## List of Publications by Year in Descending Order

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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	Towards quantitative point of care detection using SERS lateral flow immunoassays.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	3
279	THEM6-mediated reprogramming of lipid metabolism supports treatment resistance in prostate cancer.. <i>EMBO Molecular Medicine</i> , <b>2022</b> , e14764	12	2
278	Stimulated Raman scattering microscopy with spectral phasor analysis: applications in assessing drug-cell interactions.. <i>Chemical Science</i> , <b>2022</b> , 13, 3468-3476	9.4	1
277	Evaluation of laser direct infrared imaging for rapid analysis of pharmaceutical tablets.. <i>Analytical Methods</i> , <b>2022</b> , 14, 1862-1871	3.2	0
276	Raman spectroscopic analysis of skin as a diagnostic tool for Human African Trypanosomiasis. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1010060	7.6	2
275	Self-Complementary Zwitterionic Peptides Direct Nanoparticle Assembly and Enable Enzymatic Selection of Endocytic Pathways. <i>Advanced Materials</i> , <b>2021</b> , e2104962	24	4
274	From Raman to SESORRS: moving deeper into cancer detection and treatment monitoring. <i>Chemical Communications</i> , <b>2021</b> , 57, 12436-12451	5.8	0
273	Detection of Estrogen Receptor Alpha and Assessment of Fulvestrant Activity in MCF-7 Tumor Spheroids Using Microfluidics and SERS. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5862-5871	7.8	12
272	Comparison of Raman and Near-Infrared Chemical Mapping for the Analysis of Pharmaceutical Tablets. <i>Applied Spectroscopy</i> , <b>2021</b> , 75, 178-188	3.1	7
271	Rapid ultra-sensitive diagnosis of infection using a SERS-based lateral flow assay. <i>Analyst, The</i> , <b>2021</b> , 146, 4495-4505	5	5
270	Surface enhanced Raman scattering for the multiplexed detection of pathogenic microorganisms: towards point-of-use applications. <i>Analyst, The</i> , <b>2021</b> , 146, 6084-6101	5	7
269	Mitokyne: A Ratiometric Raman Probe for Mitochondrial pH. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12786-12792	7.8	2
268	2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer. <i>Nature Communications</i> , <b>2020</b> , 11, 2508	17.4	39
267	Investigation of cellular uptake mechanism of functionalised gold nanoparticles into breast cancer using SERS. <i>Chemical Science</i> , <b>2020</b> , 11, 5819-5829	9.4	28
266	A new class of ratiometric small molecule intracellular pH sensors for Raman microscopy. <i>Analyst, The</i> , <b>2020</b> , 145, 5289-5298	5	11
265	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4053-4064	7.8	25
264	Detection of Multiple Nitroaromatic Explosives via Formation of a Janowsky Complex and SERS. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3253-3261	7.8	17

263	DNA detection by SERS: hybridisation parameters and the potential for asymmetric PCR. <i>Analyst, The</i> , <b>2020</b> , 145, 1871-1877	5	11
262	Detection of cardiovascular disease associated miR-29a using paper-based microfluidics and surface enhanced Raman scattering. <i>Analyst, The</i> , <b>2020</b> , 145, 983-991	5	24
261	Proton-Conductive Melanin-Like Fibers through Enzymatic Oxidation of a Self-Assembling Peptide. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003511	24	22
260	Modulation of interparticle gap for enhanced SERS sensitivity in chemically stable Ag@Au hetero-architectures. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13843-13851	3.6	6
259	Dynamic pH measurements of intracellular pathways using nano-plasmonic assemblies. <i>Analyst, The</i> , <b>2020</b> , 145, 5768-5775	5	9
258	Ratiometric sensing of fluoride ions using Raman spectroscopy. <i>Chemical Communications</i> , <b>2020</b> , 56, 14463-14466	5.8	6
257	Selective phase growth and precise-layer control in MoTe2. <i>Communications Materials</i> , <b>2020</b> , 1,	6	10
256	Characterisation of estrogen receptor alpha (ER $\alpha$ ) expression in breast cancer cells and effect of drug treatment using targeted nanoparticles and SERS. <i>Analyst, The</i> , <b>2020</b> , 145, 7225-7233	5	6
255	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , <b>2020</b> , 14, 28-117	16.7	1000
254	Surface modification of gold nanoparticles with neuron-targeted exosome for enhanced blood-brain barrier penetration. <i>Scientific Reports</i> , <b>2019</b> , 9, 8278	4.9	109
253	Through tissue imaging of a live breast cancer tumour model using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Science</i> , <b>2018</b> , 9, 3788-3792	9.4	29
252	Recent developments in quantitative SERS: Moving towards absolute quantification. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 102, 359-368	14.6	84
251	Tracking intracellular uptake and localisation of alkyne tagged fatty acids using Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 197, 30-36	4.4	18
250	Ratiometric Raman imaging reveals the new anti-cancer potential of lipid targeting drugs. <i>Chemical Science</i> , <b>2018</b> , 9, 6935-6943	9.4	12
249	Raman Spectroscopy Surface-Enhanced <b>2018</b> , 76-76		
248	Multiplex imaging of live breast cancer tumour models through tissue using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Communications</i> , <b>2018</b> , 54, 8530-8533	5.8	17
247	Introducing 12 new dyes for use with oligonucleotide functionalised silver nanoparticles for DNA detection with SERS.. <i>RSC Advances</i> , <b>2018</b> , 8, 17685-17693	3.7	2
246	Molecular imaging of atherosclerosis: spotlight on Raman spectroscopy and surface-enhanced Raman scattering. <i>Heart</i> , <b>2018</b> , 104, 460-467	5.1	26

245	Ratiometric analysis using Raman spectroscopy as a powerful predictor of structural properties of fatty acids. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 181483	3.3	32
244	multiplex molecular imaging of vascular inflammation using surface-enhanced Raman spectroscopy. <i>Theranostics</i> , <b>2018</b> , 8, 6195-6209	12.1	40
243	Towards establishing a minimal nanoparticle concentration for applications involving surface enhanced spatially offset resonance Raman spectroscopy (SESORRS) in vivo. <i>Analyst, The</i> , <b>2018</b> , 143, 5358-5363	5	7
242	Surface-Enhanced Raman Scattering Based Microfluidics for Single-Cell Analysis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12004-12010	7.8	35
241	Organic Semiconductor Laser Platform for the Detection of DNA by AgNP Plasmonic Enhancement. <i>Langmuir</i> , <b>2018</b> , 34, 14766-14773	4	3
240	Surface enhanced resonance Raman spectroscopy (SERRS) for probing through plastic and tissue barriers using a handheld spectrometer. <i>Analyst, The</i> , <b>2018</b> , 143, 5965-5973	5	15
239	Surface-Enhanced Raman Scattering (SERS), Applications <b>2017</b> , 389-395		1
238	Detection of cortisol in serum using quantitative resonance Raman spectroscopy. <i>Analytical Methods</i> , <b>2017</b> , 9, 1589-1594	3.2	12
237	Bioanalytical Measurements Enabled by Surface-Enhanced Raman Scattering (SERS) Probes. <i>Annual Review of Analytical Chemistry</i> , <b>2017</b> , 10, 415-437	12.5	51
236	Au@Ag SERRS tags coupled to a lateral flow immunoassay for the sensitive detection of pneumolysin. <i>Nanoscale</i> , <b>2017</b> , 9, 2051-2058	7.7	67
235	Through barrier detection of ethanol using handheld Raman spectroscopy: Conventional Raman versus spatially offset Raman spectroscopy (SORS). <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 1828-1838	2.3	16
234	SERS Detection of Multiple Antimicrobial-Resistant Pathogens Using Nanosensors. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12666-12673	7.8	122
233	A novel nanozyme assay utilising the catalytic activity of silver nanoparticles and SERRS. <i>Analyst, The</i> , <b>2017</b> , 142, 2484-2490	5	29
232	Surface-enhanced Raman spectroscopy for in vivo biosensing. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	234
231	Sensitive SERS nanotags for use with a hand-held 1064 nm Raman spectrometer. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170422	3.3	10
230	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 291-330	3.6	9
229	SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 429-456	3.6	15
228	Analytical SERS: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 561-600	3.6	9

227	Theory of SERS enhancement: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 173-211	3.6	21
226	Resonance Raman detection of antioxidants using an iron oxide nanoparticle catalysed decolourisation assay. <i>Analyst, The</i> , <b>2017</b> , 142, 4715-4720	5	6
225	Surface-Enhanced, Spatially Offset Raman Spectroscopy (SESORS) in Tissue Analogues. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25488-25494	9.5	30
224	Development of a label-free Raman imaging technique for differentiation of malaria parasite infected from non-infected tissue. <i>Analyst, The</i> , <b>2017</b> , 143, 157-163	5	8
223	Thermoresponsive Polymer Micropatterns Fabricated by Dip-Pen Nanolithography for a Highly Controllable Substrate with Potential Cellular Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24844-52	9.5	9
222	Sensitive SERS nanotags for use with 1550 nm (retina-safe) laser excitation. <i>Analyst, The</i> , <b>2016</b> , 141, 5063-5	3.5	15
221	Mixed-monolayer glyconanoparticles for the detection of cholera toxin by surface enhanced Raman spectroscopy. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 60-63	10.8	15
220	Comparison of Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>2</sub> CoO <sub>4</sub> core-shell plasmonic nanoparticles for aptamer mediated SERS assays <b>2016</b> ,		3
219	Aptamer conjugated silver nanoparticles for the detection of interleukin 6 <b>2016</b> ,		3
218	Analysis of enzyme-responsive peptide surfaces by Raman spectroscopy. <i>Chemical Communications</i> , <b>2016</b> , 52, 4698-701	5.8	7
217	Preferential Attachment of Specific Fluorescent Dyes and Dye Labeled DNA Sequences in a Surface Enhanced Raman Scattering Multiplex. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1147-53	7.8	16
216	Investigation of Silver Nanoparticle Assembly Following Hybridization with Different Lengths of DNA. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 404-411	3.1	3
215	Rearrangement of mitochondrial pyruvate dehydrogenase subunit dihydrolipoamide dehydrogenase protein-protein interactions by the MDM2 ligand nutlin-3. <i>Proteomics</i> , <b>2016</b> , 16, 2327-44	4.8	12
214	Ferric plasmonic nanoparticles, aptamers, and magnetofluidic chips: toward the development of diagnostic surface-enhanced Raman spectroscopy assays. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 127005	3.5	3
213	Advances in Biofunctional SERS-Active Nanoparticles for Future Clinical Diagnostics and Therapeutics. <i>ACS Symposium Series</i> , <b>2016</b> , 131-161	0.4	1
212	Analysis of Photothermal Release of Oligonucleotides from Hollow Gold Nanospheres by Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 20677-20683	3.8	6
211	From synthetic DNA to PCR product: detection of fungal infections using SERS. <i>Faraday Discussions</i> , <b>2016</b> , 187, 461-72	3.6	12
210	Silver colloids as plasmonic substrates for direct label-free surface-enhanced Raman scattering analysis of DNA. <i>Analyst, The</i> , <b>2016</b> , 141, 5170-80	5	39

209	Elucidation of the bonding of a near infrared dye to hollow gold nanospheres - a chalcogen tripod. <i>Chemical Science</i> , <b>2016</b> , 7, 5160-5170	9.4	14
208	Detection of potentially toxic metals by SERS using salen complexes. <i>Analyst, The</i> , <b>2016</b> , 141, 5857-5863	5	9
207	Functionalisation of hollow gold nanospheres for use as stable, red-shifted SERS nanotags. <i>Nanoscale</i> , <b>2015</b> , 7, 6075-82	7.7	16
206	SERS enhancement of silver nanoparticles prepared by a template-directed triazole ligand strategy. <i>Chemical Communications</i> , <b>2015</b> , 51, 13028-31	5.8	6
205	SERS active colloidal nanoparticles for the detection of small blood biomarkers using aptamers <b>2015</b> ,		2
204	Through-space transfer of chiral information mediated by a plasmonic nanomaterial. <i>Nature Chemistry</i> , <b>2015</b> , 7, 591-6	17.6	78
203	Bacterial meningitis pathogens identified in clinical samples using a SERS DNA detection assay. <i>Analytical Methods</i> , <b>2015</b> , 7, 1269-1272	3.2	17
202	Laser induced SERS switching using plasmonic heating of PNIPAM coated HGNS. <i>Chemical Communications</i> , <b>2015</b> , 51, 8138-41	5.8	7
201	Plasmonic and new plasmonic materials: general discussion. <i>Faraday Discussions</i> , <b>2015</b> , 178, 123-49	3.6	13
200	Surface plasmon enhanced spectroscopies and time and space resolved methods: general discussion. <i>Faraday Discussions</i> , <b>2015</b> , 178, 253-79	3.6	2
199	Palladium(0) NHC complexes: a new avenue to highly efficient phosphorescence. <i>Chemical Science</i> , <b>2015</b> , 6, 3248-3261	9.4	31
198	Determination of metal ion concentrations by SERS using 2,2' bipyridyl complexes. <i>Analyst, The</i> , <b>2015</b> , 140, 6538-43	5	11
197	1064 nm SERS of NIR active hollow gold nanotags. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1980-6	3.6	27
196	Direct surface-enhanced Raman scattering analysis of DNA duplexes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1144-8	16.4	124
195	38 The development of a three-dimensional culture system for in vitro studies of the atheroma. <i>Heart</i> , <b>2015</b> , 101, A12.4-A13	5.1	
194	Extreme red shifted SERS nanotags. <i>Chemical Science</i> , <b>2015</b> , 6, 2302-2306	9.4	37
193	Direct Surface-Enhanced Raman Scattering Analysis of DNA Duplexes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1160-1164	3.6	37
192	Human papilloma virus genotyping by surface-enhanced Raman scattering. <i>Analytical Methods</i> , <b>2014</b> , 6, 1288-1290	3.2	13

191	Silver and magnetic nanoparticles for sensitive DNA detection by SERS. <i>Chemical Communications</i> , <b>2014</b> , 50, 12907-10	5.8	52
190	Simultaneous detection and quantification of three bacterial meningitis pathogens by SERS. <i>Chemical Science</i> , <b>2014</b> , 5, 1030-1040	9.4	114
189	Qualitative SERS analysis of G-quadruplex DNAs using selective stabilising ligands. <i>Analyst, The</i> , <b>2014</b> , 139, 4458-65	5	10
188	Interaction of fluorescent dyes with DNA and spermine using fluorescence spectroscopy. <i>Analyst, The</i> , <b>2014</b> , 139, 3735-43	5	9
187	Plasmonics: Engineering DNA Binding Sites to Assemble and Tune Plasmonic Nanostructures (Adv. Mater. 25/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 4190-4190	24	
186	Surface enhanced Raman spectroscopy (SERS): Potential applications for disease detection and treatment. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2014</b> , 21, 40-53	16.4	65
185	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> , <b>2014</b> , 118, 4878-4884	3.8	26
184	Engineering DNA binding sites to assemble and tune plasmonic nanostructures. <i>Advanced Materials</i> , <b>2014</b> , 26, 4286-92	24	7
183	Confocal SERS mapping of glycan expression for the identification of cancerous cells. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4775-82	7.8	41
182	ConA-based glucose sensing using the long-lifetime azadioxatriangulenium fluorophore <b>2014</b> ,		1
181	Quantification of functionalised gold nanoparticle-targeted knockdown of gene expression in HeLa cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e99458	3.7	8
180	Synthesis of size tunable monodispersed silver nanoparticles and the effect of size on SERS enhancement. <i>Vibrational Spectroscopy</i> , <b>2014</b> , 71, 41-46	2.1	36
179	3D optical imaging of multiple SERS nanotags in cells. <i>Chemical Science</i> , <b>2013</b> , 4, 3566	9.4	54
178	An investigation into the simultaneous enzymatic and SERRS properties of silver nanoparticles. <i>Analyst, The</i> , <b>2013</b> , 138, 6347-53	5	31
177	Template-directed synthesis of uniformly-sized silver nanoparticles with high colloidal stability. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3591	3.6	8
176	Resonance Raman scattering of catalytic beacons for DNA detection. <i>Chemical Communications</i> , <b>2013</b> , 49, 3206-8	5.8	9
175	Synthesis and NIR optical properties of hollow gold nanospheres with LSPR greater than one micrometer. <i>Nanoscale</i> , <b>2013</b> , 5, 765-71	7.7	39
174	SERS primers and their mode of action for pathogen DNA detection. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 1408-14	7.14	41



173	Formation of SERS active nanoparticle assemblies via specific carbohydrate-protein interactions. <i>Chemical Communications</i> , <b>2013</b> , 49, 30-2	5.8	36
172	Improving the understanding of oligonucleotide-nanoparticle conjugates using DNA-binding fluorophores. <i>Nanoscale</i> , <b>2013</b> , 5, 4166-70	7.7	3
171	Immunoassay arrays fabricated by dip-pen nanolithography with resonance Raman detection. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5617-21	7.8	12
170	Analysis of intracellular enzyme activity by surface enhanced Raman scattering. <i>Analyst, The</i> , <b>2013</b> , 138, 6331-6	5	26
169	Synthesis, characterization and luminescence studies of gold(I)-NHC amide complexes. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 2216-23	2.5	21
168	Synthesis of SERS active nanoparticles for detection of biomolecules. <i>Tetrahedron</i> , <b>2012</b> , 68, 1230-1240	2.4	19
167	SERS activity and stability of the most frequently used silver colloids. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 202-206	2.3	40
166	Functionalisation, Characterization, and Application of Metal Nanoparticles for Bioanalysis. <i>ACS Symposium Series</i> , <b>2012</b> , 33-58	0.4	
165	Molecularly-mediated assemblies of plasmonic nanoparticles for Surface-Enhanced Raman Spectroscopy applications. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 7085-107	58.5	319
164	Enhancing the SERS properties of nanoworms by matrix formation. <i>Analyst, The</i> , <b>2012</b> , 137, 2297-9	5	5
163	Assessing the Location of Surface Plasmons Over Nanotriangle and Nanohole Arrays of Different Size and Periodicity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 6884-6892	3.8	47
162	Surface-Enhanced Raman Scattering Investigation of Hollow Gold Nanospheres. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8338-8342	3.8	40
161	Design Consideration for Surface-Enhanced (Resonance) Raman Scattering Nanotag Cores. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2677-2682	3.8	9
160	Directed assembly of DNA-functionalized gold nanoparticles using pyrrole-imidazole polyamides. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8356-9	16.4	42
159	Chemiluminescence detection of 1,3,5-trinitro-1,3,5-triazacyclohexane (RDX) and related nitramine explosives. <i>Talanta</i> , <b>2012</b> , 88, 743-8	6.2	5
158	Growth and surface-enhanced Raman scattering of Ag nanoparticle assembly in agarose gel. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 084006	2	25
157	Detection of inflammation in vivo by surface-enhanced Raman scattering provides higher sensitivity than conventional fluorescence imaging. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 5968-75	7.8	50
156	Cisplatin-tethered gold nanoparticles that exhibit enhanced reproducibility, drug loading, and stability: a step closer to pharmaceutical approval?. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3490-7	5.1	75



155	The optimisation of facile substrates for surface enhanced Raman scattering through galvanic replacement of silver onto copper. <i>Analyst, The</i> , <b>2012</b> , 137, 2791-8	5	24
154	CHAPTER 11: Nucleic Acid Nanoparticle Conjugate Sensors for Use with Surface Enhanced Resonance Raman Scattering (SERRS). <i>RSC Biomolecular Sciences</i> , <b>2012</b> , 258-277		
153	Detection of SERS active labelled DNA based on surface affinity to silver nanoparticles. <i>Analyst, The</i> , <b>2012</b> , 137, 2063-8	5	38
152	Positively charged silver nanoparticles and their effect on surface-enhanced Raman scattering of dye-labelled oligonucleotides. <i>Chemical Communications</i> , <b>2012</b> , 48, 8192-4	5.8	66
151	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> , <b>2012</b> , 3, 2262	9.4	50
150	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 2859-68	4.4	29
149	Importance of nanoparticle size in colorimetric and SERS-based multimodal trace detection of Ni(II) ions with functional gold nanoparticles. <i>Small</i> , <b>2012</b> , 8, 707-14	11	99
148	Tracking Bisphosphonates through a 20 mm Thick Porcine Tissue by Using Surface-Enhanced Spatially Offset Raman Spectroscopy. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8637-8639	3.6	3
147	Tracking bisphosphonates through a 20 mm thick porcine tissue by using surface-enhanced spatially offset Raman spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8509-11	16.4	33
146	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> , <b>2012</b> , 109, 8073-8	11.5	20
145	DNA detection using enzymatic signal production and SERS. <i>Chemical Communications</i> , <b>2011</b> , 47, 4649-5158	5.8	42
144	Combining functionalised nanoparticles and SERS for the detection of DNA relating to disease. <i>Faraday Discussions</i> , <b>2011</b> , 149, 291-9; discussion 333-56	3.6	38
143	Quantitative detection of human tumor necrosis factor $\beta$ by a resonance Raman enzyme-linked immunosorbent assay. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 297-302	7.8	78
142	Surface enhanced spatially offset Raman spectroscopic (SESORS) imaging – the next dimension. <i>Chemical Science</i> , <b>2011</b> , 2, 776	9.4	141
141	Dip-pen nanolithography of nanostructured oligofluorene truxenes in a photo-curable host matrix. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14209		7
140	Fabricating protein immunoassay arrays on nitrocellulose using dip-pen lithography techniques. <i>Analyst, The</i> , <b>2011</b> , 136, 2925-30	5	28
139	Rapid prototyping of poly(dimethoxysiloxane) dot arrays by dip-pen nanolithography. <i>Chemical Science</i> , <b>2011</b> , 2, 211-215	9.4	29
138	DNA nanofabrication by scanning near-field photolithography of oligo(ethylene glycol) terminated SAMs: Controlled scan-rate dependent switching between head group oxidation and tail group degradation. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14173		6

137	Rationally designed SERS active silica coated silver nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 4415-7	5.8	37
136	Surface-enhanced Raman scattering (SERS) and surface-enhanced resonance Raman scattering (SERRS): a review of applications. <i>Applied Spectroscopy</i> , <b>2011</b> , 65, 825-37	3.1	435
135	Nanoparticles and inflammation. <i>Scientific World Journal, The</i> , <b>2011</b> , 11, 1300-12	2.2	30
134	Bayesian methods to detect dye-labelled DNA oligonucleotides in multiplexed Raman spectra. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , <b>2011</b> , 60, 187-206	1.5	12
133	Microscale mesoarrays created by dip-pen nanolithography for screening of protein-protein interactions. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4667-73	11.8	12
132	Surface enhanced optical spectroscopies for bioanalysis. <i>Analyst, The</i> , <b>2011</b> , 136, 3831-53	5	104
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