Anne-Isabelle Henry

List of Publications by Year
in descending order

30 papers	6,222 citations	257101 24 h-index	525886 27 g-index
30 all docs	30 docs citations	30 times ranked	8572 citing authors

#	Article	IF	Citations
1	SERS: Materials, applications, and the future. Materials Today, 2012, 15, 16-25.	8.3	1,914
2	Structureâ^'Activity Relationships in Gold Nanoparticle Dimers and Trimers for Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2010, 132, 10903-10910.	6.6	723
3	Creating, characterizing, and controlling chemistry with SERS hot spots. Physical Chemistry Chemical Physics, 2013, 15, 21-36.	1.3	621
4	Single-Molecule Chemistry with Surface- and Tip-Enhanced Raman Spectroscopy. Chemical Reviews, 2017, 117, 7583-7613.	23.0	519
5	Structure Enhancement Factor Relationships in Single Gold Nanoantennas by Surface-Enhanced Raman Excitation Spectroscopy. Journal of the American Chemical Society, 2013, 135, 301-308.	6.6	299
6	Correlated Structure and Optical Property Studies of Plasmonic Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 9291-9305.	1.5	217
7	Surface-Enhanced Raman Spectroscopy Biosensing: In Vivo Diagnostics and Multimodal Imaging. Analytical Chemistry, 2016, 88, 6638-6647.	3.2	190
8	Gold nanoparticle dimer plasmonics: finite element method calculations of the electromagnetic enhancement to surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2009, 394, 1819-1825.	1.9	176
9	Single nanoparticle plasmonics. Physical Chemistry Chemical Physics, 2013, 15, 4110.	1.3	172
10	Large triangular single crystals formed byÂmild annealing of self-organized silverÂnanocrystals. Nature Materials, 2007, 6, 900-907.	13.3	141
11	Immobilized Nanorod Assemblies: Fabrication and Understanding of Large Area Surface-Enhanced Raman Spectroscopy Substrates. Analytical Chemistry, 2013, 85, 2297-2303.	3.2	138
12	High-Resolution Distance Dependence Study of Surface-Enhanced Raman Scattering Enabled by Atomic Layer Deposition. Nano Letters, 2016, 16, 4251-4259.	4.5	136
13	Surface-Enhanced Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 1199-1203.	2.1	131
14	Ultrahigh-Vacuum Tip-Enhanced Raman Spectroscopy. Chemical Reviews, 2017, 117, 4961-4982.	23.0	128
15	Bisboronic Acids for Selective, Physiologically Relevant Direct Glucose Sensing with Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2016, 138, 13952-13959.	6.6	103
16	Single Molecule Surface-Enhanced Raman Spectroscopy without Nanogaps. Journal of Physical Chemistry Letters, 2013, 4, 3206-3210.	2.1	100
17	LSPR Imaging of Silver Triangular Nanoprisms: Correlating Scattering with Structure Using Electrodynamics for Plasmon Lifetime Analysis. Journal of Physical Chemistry C, 2012, 116, 393-403.	1.5	94
18	Plasmonic Microneedle Arrays for in Situ Sensing with Surface-Enhanced Raman Spectroscopy (SERS). Nano Letters, 2019, 19, 6862-6868.	4.5	83

#	Article	IF	Citations
19	Silver colloidal pastes for dye analysis of reference and historical textile fibers using direct, extractionless, non-hydrolysis surface-enhanced Raman spectroscopy. Analyst, The, 2013, 138, 5895.	1.7	71
20	Improved Monodispersity of Plasmonic Nanoantennas via Centrifugal Processing. Journal of Physical Chemistry Letters, 2011, 2, 218-222.	2.1	59
21	Tuning of Solid Phase in Supracrystals Made of Silver Nanocrystals. Nano Letters, 2008, 8, 2000-2005.	4.5	43
22	Ellipsometric identification of collective optical properties of silver nanocrystal arrays. Journal of Chemical Physics, 2006, 124, 204713.	1.2	35
23	Probing the Chemistry of Alumina Atomic Layer Deposition Using Operando Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 3822-3833.	1.5	28
24	Physicochemical Trapping of Neurotransmitters in Polymer-Mediated Gold Nanoparticle Aggregates for Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 9554-9562.	3.2	26
25	Unraveling the Near- and Far-Field Relationship of 2D Surface-Enhanced Raman Spectroscopy Substrates Using Wavelength-Scan Surface-Enhanced Raman Excitation Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 14737-14744.	1.5	21
26	Spiers Memorial Lecture : Surface-enhanced Raman spectroscopy: from single particle/molecule spectroscopy to Ã¥ngstrom-scale spatial resolution and femtosecond time resolution. Faraday Discussions, 2017, 205, 9-30.	1.6	19
27	How Do Self-Ordered Silver Nanocrystals Influence Their Growth into Triangular Single Crystals?. Journal of Physical Chemistry C, 2008, 112, 48-52.	1.5	14
28	Exploring single-molecule SERS and single-nanoparticle plasmon microscopy. , 2009, , .		13
29	Structural and optical characterization of single nanoparticles and single molecule SERS. , 2010, , .		7
30	Single nanoparticle plasmonics. , 0, .		1