Alexandre G Brolo

List of Publications by Year
in descending order

164	13,016	38742 50	22832 112
papers	citations	h-index	g-index

164	164	164	13527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Group and Basis Restricted Non-Negative Matrix Factorization and Random Forest for Molecular Histotype Classification and Raman Biomarker Monitoring in Breast Cancer. Applied Spectroscopy, 2022, 76, 462-474.	2.2	9
2	Nanotechnology Driven Cancer Chemoradiation: Exploiting the Full Potential of Radiotherapy with a Unique Combination of Gold Nanoparticles and Bleomycin. Pharmaceutics, 2022, 14, 233.	4.5	6
3	Single-Molecule SERS Hotspot Dynamics in Both Dry and Aqueous Environments. Journal of Physical Chemistry C, 2022, 126, 7117-7126.	3.1	8
4	Quantification of a COVID-19 Antibody Assay Using a Lateral Flow Test and a Cell Phone. Chemosensors, 2022, 10, 234.	3.6	5
5	Raman maps reveal heterogeneous hydrogenation on carbon materials. Journal of Raman Spectroscopy, 2021, 52, 516-524.	2.5	7
6	Selective suppression of {112} anatase facets by fluorination for enhanced TiO₂ particle size and phase stability at elevated temperatures. Nanoscale Advances, 2021, 3, 6223-6230.	4.6	3
7	Plasmonic linewidth narrowing by encapsulation in a dispersive absorbing material. Physical Review Research, 2021, 3, .	3.6	5
8	Raman spectroscopy and group and basis-restricted non negative matrix factorisation identifies radiation induced metabolic changes in human cancer cells. Scientific Reports, 2021, 11, 3853.	3.3	16
9	Ultra-High-Speed Dynamics in Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2021, 125, 7523-7532.	3.1	11
10	Digital plasmonic holography with iterative phase retrieval for sensing. Optics Express, 2021, 29, 3026.	3.4	0
11	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
12	Dynamic Imaging of Multiple SERS Hotspots on Single Nanoparticles. ACS Photonics, 2020, 7, 434-443.	6.6	24
13	A review on recent advances in the applications of surface-enhanced Raman scattering in analytical chemistry. Analytica Chimica Acta, 2020, 1097, 1-29.	5.4	339
14	High-Speed Fluctuations in Surface-Enhanced Raman Scattering Intensities from Various Nanostructures. Applied Spectroscopy, 2020, 74, 1398-1406.	2.2	9
15	Exploring Diffusion and Cellular Uptake: Charged Gold Nanoparticles in an in Vitro Breast Cancer Model. ACS Applied Bio Materials, 2020, 3, 6992-7002.	4.6	21
16	Detection of Buried Explosives Using a Surface-Enhanced Raman Scattering (SERS) Substrate Tailored for Miniaturized Spectrometers. ACS Sensors, 2020, 5, 2933-2939.	7.8	36
17	Peering into the Formation of Template-Free Hierarchical Flowerlike Nanostructures of SrTiO₃. ACS Omega, 2020, 5, 33007-33016.	3.5	5
18	Monitor Ionizing Radiation-Induced Cellular Responses with Raman Spectroscopy, Non-Negative Matrix Factorization, and Non-Negative Least Squares. Applied Spectroscopy, 2020, 74, 701-711.	2.2	14

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19	From Dermal Patch to Implantsâ€"Applications of Biocomposites in Living Tissues. Molecules, 2020, 25, 507.	3.8	6
20	High-speed imaging of surface-enhanced Raman scattering fluctuations from individual nanoparticles. Nature Nanotechnology, 2019, 14, 981-987.	31.5	115
21	Intensity Fluctuations in Single-Molecule Surface-Enhanced Raman Scattering. Accounts of Chemical Research, 2019, 52, 456-464.	15.6	76
22	Raman spectroscopy detects metabolic signatures of radiation response and hypoxic fluctuations in non-small cell lung cancer. BMC Cancer, 2019, 19, 474.	2.6	9
23	Collagen Type Iâ€"Gelatin Methacryloyl Composites: Mimicking the Tumor Microenvironment. ACS Biomaterials Science and Engineering, 2019, 5, 2887-2898.	5.2	18
24	Haralick texture feature analysis for quantifying radiation response heterogeneity in murine models observed using Raman spectroscopic mapping. PLoS ONE, 2019, 14, e0212225.	2.5	11
25	Plasmonic Light-Trapping Concept for Nanoabsorber Photovoltaics. ACS Applied Energy Materials, 2019, 2, 2255-2262.	5.1	5
26	Nanostructuring Solar Cells Using Metallic Nanoparticles. , 2019, , 197-221.		8
27	Absorption leads to narrower plasmonic resonances. Journal of the Optical Society of America B: Optical Physics, 2019, 36, F117.	2.1	9
28	Surface-enhanced Raman scattering from bowtie nanoaperture arrays. Surface Science, 2018, 676, 39-45.	1.9	14
29	Ex Vivo Detection of Circulating Tumor Cells from Whole Blood by Direct Nanoparticle Visualization. ACS Nano, 2018, 12, 1902-1909.	14.6	30
30	Zika Immunoassay Based on Surface-Enhanced Raman Scattering Nanoprobes. ACS Sensors, 2018, 3, 587-594.	7.8	57
31	Template-Stripping Fabricated Plasmonic Nanogratings for Chemical Sensing. Plasmonics, 2018, 13, 231-237.	3.4	5
32	Digital Protocol for Chemical Analysis at Ultralow Concentrations by Surface-Enhanced Raman Scattering. Analytical Chemistry, 2018, 90, 1248-1254.	6.5	63
33	Uncovering the Mechanism for the Formation of Copper Thioantimonate (Sb^V) Nanoparticles and Its Transition to Thioantimonide (Sb^{III}). Crystal Growth and Design, 2018, 18, 6521-6527.	3.0	10
34	Digital plasmonic holography. Light: Science and Applications, 2018, 7, 52.	16.6	17
35	Breast cancer subtype specific biochemical responses to radiation. Analyst, The, 2018, 143, 3850-3858.	3.5	18
36	Light trapping in a-Si:H thin film solar cells using silver nanostructures. AIP Advances, 2017, 7, .	1.3	14

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37	Plasmonic labeling of subcellular compartments in cancer cells: multiplexing with fine-tuned gold and silver nanoshells. Chemical Science, 2017, 8, 3038-3046.	7.4	27
38	Polarization-dependent surface-enhanced Raman scattering (SERS) from microarrays. Analytica Chimica Acta, 2017, 972, 73-80.	5.4	9
39	Comparing the Electrochemical Response of Nanostructured Electrode Arrays. Analytical Chemistry, 2017, 89, 6129-6135.	6.5	13
40	Evaluation of Surface-Enhanced Raman Spectroscopy Substrates from Single-Molecule Statistics. Journal of Physical Chemistry C, 2017, 121, 25487-25493.	3.1	8
41	Recessed Gold Nanoringâ€“Ring Microarray Electrodes. Analytical Chemistry, 2017, 89, 9870-9876.	6.5	9
42	Proof of concept for a passive sampler for monitoring of gaseous elemental mercury in artisanal gold mining. Scientific Reports, 2017, 7, 16513.	3.3	9
43	Immunoassay quantification using surface-enhanced fluorescence (SEF) tags. Analyst, The, 2017, 142, 2717-2724.	3.5	25
44	Determination of aqueous antibiotic solutions using SERS nanogratings. Analytica Chimica Acta, 2017, 982, 148-155.	5.4	70
45	The electrochemical reduction of CO₂ on a copper electrode in 1-n -butyl-3-methyl imidazolium tetrafluoroborate (BMI.BF₄) monitored by surface-enhanced Raman scattering (SERS). Journal of Raman Spectroscopy, 2016, 47, 674-680.	2.5	31
46	Low-Cost Leukemic Serum Marker Screening Using Large Area Nanohole Arrays on Plastic Substrates. ACS Sensors, 2016, 1, 1103-1109.	7.8	16
47	Raman spectroscopy identifies radiation response in human non-small cell lung cancer xenografts. Scientific Reports, 2016, 6, 21006.	3.3	57
48	Electrochemical Control of Light Transmission through Nanohole Electrode Arrays. ACS Photonics, 2016, 3, 2375-2382.	6.6	14
49	Single-Molecule Surface-Enhanced (Resonance) Raman Scattering (SE(R)RS) as a Probe for Metal Colloid Aggregation State. Journal of Physical Chemistry C, 2016, 120, 20877-20885.	3.1	25
50	Large Area Plasmonic Gold Nanopillar 3-D Electrodes. Electrochimica Acta, 2016, 188, 91-97.	5.2	4
51	Microfluidic Plasmonic Biosensor for Breast Cancer Antigen Detection. Plasmonics, 2016, 11, 45-51.	3.4	44
52	Radiation-Induced Glycogen Accumulation Detected by Single Cell Raman Spectroscopy Is Associated with Radioresistance that Can Be Reversed by Metformin. PLoS ONE, 2015, 10, e0135356.	2.5	28
53	Surface plasmon enhanced up-conversion from NaYF₄:Yb/Er/Gd nano-rods. Physical Chemistry Chemical Physics, 2015, 17, 16170-16177.	2.8	15
54	Polarization-dependent extraordinary optical transmission from upconversion nanoparticles. Nanoscale, 2015, 7, 18250-18258.	5.6	6

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55	Improving the performance of gold nanohole array biosensors by controlling the optical collimation conditions. Applied Optics, 2015, 54, 6502.	2.1	21
56	SERS optrode as a â€œfishing rodâ€•to direct pre-concentrate analytes from superhydrophobic surfaces. Chemical Communications, 2015, 51, 1965-1968.	4.1	31
57	Leukemic marker detection using a spectro-polarimetric surface plasmon resonance platform. Biosensors and Bioelectronics, 2015, 63, 80-85.	10.1	19
58	Cost-effective nanostructured thin-film solar cell with enhanced absorption. Applied Physics Letters, 2014, 105, .	3.3	14
59	A silver nanoparticle embedded hydrogel as a substrate for surface contamination analysis by surface-enhanced Raman scattering. Analyst, The, 2014, 139, 5283-5289.	3.5	38
60	Comparison of Ag and SiO₂ Nanoparticles for Light Trapping Applications in Silicon Thin Film Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3302-3306.	4.6	15
61	Engineering of CdTe Multicore in ZnO Nanoshell as a New Charge-Transfer Material. Journal of Physical Chemistry C, 2014, 118, 18372-18376.	3.1	4
62	Optimizing Plasmonic Silicon Photovoltaics with Ag and Au Nanoparticle Mixtures. Journal of Physical Chemistry C, 2014, 118, 5889-5895.	3.1	34
63	Ag decorated sandpaper as flexible SERS substrate for direct swabbing sampling. Materials Letters, 2014, 133, 57-59.	2.6	48
64	Statistical Correlation Between SERS Intensity and Nanoparticle Cluster Size. Journal of Physical Chemistry C, 2013, 117, 16596-16605.	3.1	41
65	Surface-Enhanced Resonance Raman Scattering (SERRS) Using Au Nanohole Arrays on Optical Fiber Tips. Plasmonics, 2013, 8, 1113-1121.	3.4	36
66	Quantification of ovarian cancer markers with integrated microfluidic concentration gradient and imaging nanohole surface plasmon resonance. Analyst, The, 2013, 138, 1450.	3.5	58
67	Surface-enhanced Raman scattering (SERS) from Au:Ag bimetallic nanoparticles: the effect of the molecular probe. Chemical Science, 2013, 4, 509-515.	7.4	183
68	Enhanced performance of dye-sensitized solar cells using gold nanoparticles modified fluorine tin oxide electrodes. Journal Physics D: Applied Physics, 2013, 46, 024005.	2.8	31
69	Improved Synthesis of Gold and Silver Nanoshells. Langmuir, 2013, 29, 4366-4372.	3.5	66
70	Detection of hydrogen peroxide using an optical fiber-based sensing probe. Sensors and Actuators B: Chemical, 2013, 185, 166-173.	7.8	18
71	Periodic Metallic Nanostructures as Plasmonic Chemical Sensors. Langmuir, 2013, 29, 5638-5649.	3.5	189
72	Effect of periodicity on the performance of surface plasmon resonance sensors based on subwavelength nanohole arrays. Sensors and Actuators B: Chemical, 2013, 178, 366-370.	7.8	43

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73	Plasmonics for future biosensors. Nature Photonics, 2012, 6, 709-713.	31.4	919
74	Cu nanoparticles enable plasmonic-improved silicon photovoltaic devices. Physical Chemistry Chemical Physics, 2012, 14, 15722.	2.8	13
75	Surface-enhanced Raman scattering (SERS) optrodes for multiplexed on-chip sensing of nile blue A and oxazine 720. Lab on A Chip, 2012, 12, 1554.	6.0	49
76	Surface-Enhanced Resonance Raman Scattering on Gold Concentric Rings: Polarization Dependence and Intensity Fluctuations. Journal of Physical Chemistry C, 2012, 116, 2672-2676.	3.1	19
77	Mapping the Energy Distribution of SERRS Hot Spots from Anti-Stokes to Stokes Intensity Ratios. Journal of the American Chemical Society, 2012, 134, 13492-13500.	13.7	36
78	Side-by-Side Assembly of Gold Nanorods Reduces Ensemble-Averaged SERS Intensity. Journal of Physical Chemistry C, 2012, 116, 5538-5545.	3.1	67
79	Nanoplasmonic Structures in Optical Fibers. , 2012, , 289-315.		9
80	Optofluidic Concentration: Plasmonic Nanostructure as Concentrator and Sensor. Nano Letters, 2012, 12, 1592-1596.	9.1	121
81	Fluctuations of the Stokes and anti-Stokes surface-enhanced resonance Raman scattering intensities in an electrochemical environment. Chemical Communications, 2011, 47, 7158.	4.1	16
82	Detecting Antibodies Secreted by Trapped Cells Using Extraordinary Optical Transmission. IEEE Sensors Journal, 2011, 11, 2732-2739.	4.7	9
83	Layer-by-Layer Characterization of a Model Biofuel Cell Anode by (in Situ) Vibrational Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 310-316.	3.1	5
84	Statistics on Surface-Enhanced Resonance Raman Scattering from Single Nanoshells. Journal of Physical Chemistry C, 2011, 115, 19104-19109.	3.1	12
85	Nanoplasmonics as nanofluidics: transport and sensing in flowthrough nanohole arrays. , 2011, , .		0
86	Probing Dynamic Generation of Hot-Spots in Self-Assembled Chains of Gold Nanorods by Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2011, 133, 7563-7570.	13.7	251
87	Biochemical signatures ofin vitroradiation response in human lung, breast and prostate tumour cells observed with Raman spectroscopy. Physics in Medicine and Biology, 2011, 56, 6839-6855.	3.0	58
88	Improved Performance of Nanohole Surface Plasmon Resonance Sensors by the Integrated Response Method. IEEE Photonics Journal, 2011, 3, 441-449.	2.0	25
89	Spectroscopic investigations and computational study of sulfur trioxideâ€“pyridine complex. Journal of Raman Spectroscopy, 2011, 42, 1812-1819.	2.5	13
90	A review on the fabrication of substrates for surface enhanced Raman spectroscopy and their applications in analytical chemistry. Analytica Chimica Acta, 2011, 693, 7-25.	5.4	905

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91	Probing speciation inside a conducting polymer matrix by in situ spectroelectrochemistry. Electrochimica Acta, 2011, 56, 3101-3107.	5.2	8
92	Integrated nanohole array surface plasmon resonance sensing device using a dual-wavelength source. Journal of Micromechanics and Microengineering, 2011, 21, 115001.	2.6	41
93	Handheld nanohole array surface plasmon resonance sensing platform. , 2010, , .		0
94	Nanohole Arrays in Metal Films as Integrated Chemical Sensors and Biosensors. Springer Series on Chemical Sensors and Biosensors, 2010, , 155-179.	0.5	1
95	Silver Nanoparticles on a Plastic Platform for Localized Surface Plasmon Resonance Biosensing. Analytical Chemistry, 2010, 82, 6350-6352.	6.5	107
96	Largeâ€Area Fabrication of Periodic Arrays of Nanoholes in Metal Films and Their Application in Biosensing and Plasmonicâ€Enhanced Photovoltaics. Advanced Functional Materials, 2010, 20, 3918-3924.	14.9	125
97	Surfaceâ€enhanced Raman scattering from polystyrene on gold clusters. Journal of Raman Spectroscopy, 2010, 41, 745-751.	2.5	72
98	Controlling the Photoluminescence from a Laser Dye through the Oxidation Level of Polypyrrole. Macromolecular Rapid Communications, 2010, 31, 289-294.	3.9	3
99	Use of polarization-dependent SERS from scratched gold films to monitor the electrochemically-driven desorption and readsorption of cysteine. Journal of Electroanalytical Chemistry, 2010, 649, 159-163.	3.8	14
100	Multilayer silver nanoparticles-modified optical fiber tip for high performance SERS remote sensing. Biosensors and Bioelectronics, 2010, 25, 2270-2275.	10.1	123
101	Multilayer Silver Nanoparticles Modified Optical Fiber Tip for High Performance SERS Remote Sensing. ECS Meeting Abstracts, 2010, , .	0.0	0
102	Nanofluidics Meets Plasmonics: Flow-Through Surface-Based Sensing. , 2010, , .		0
103	Sensing of antibodies secreted by microfluidically trapped cells via extraordinary optical transmission through nanohole arrays. , 2010, , .		4
104	Analysis of SERS Reproducibility on Nanoparticle Microarrays. , 2010, , .		1
105	Flow-Through vs Flow-Over: Analysis of Transport and Binding in Nanohole Array Plasmonic Biosensors. Analytical Chemistry, 2010, 82, 10015-10020.	6.5	103
106	Variability in Raman Spectra of Single Human Tumor Cells Cultured in vitro: Correlation with Cell Cycle and Culture Confluency. Applied Spectroscopy, 2010, 64, 871-887.	2.2	99
107	Real-time monitoring of self-assembled monolayer using biaxial nanohole arrays. , 2009, , .		0
108	Microfluidic and nanofluidic integration of plasmonic substrates for biosensing. Proceedings of SPIE, 2009, , .	0.8	4

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109	Using Polycarbonate Membranes as Templates for the Preparation of Au Nanostructures for Surface-Enhanced Raman Scattering. Journal of Nanoscience and Nanotechnology, 2009, 9, 3233-3238.	0.9	21
110	FTâ€IR, FTâ€Raman and SERS spectra of anilinium sulfate. Journal of Raman Spectroscopy, 2009, 40, 1810-1815.	2.5	36
111	Protonation and deprotonation of cysteine and cystine monolayers probed by impedance spectroscopy. Journal of Electroanalytical Chemistry, 2009, 625, 109-116.	3.8	31
112	Tuning Gold Nanoparticle Self-Assembly for Optimum Coherent Anti-Stokes Raman Scattering and Second Harmonic Generation Response. Journal of Physical Chemistry C, 2009, 113, 3586-3592.	3.1	44
113	Electrochemical Control of the Time-Dependent Intensity Fluctuations in Surface-Enhanced Raman Scattering (SERS). Journal of Physical Chemistry C, 2009, 113, 17737-17744.	3.1	62
114	Attomolar Protein Detection Using in-Hole Surface Plasmon Resonance. Journal of the American Chemical Society, 2009, 131, 436-437.	13.7	131
115	Structural Investigation of MFe₂O₄ (M = Fe, Co) Magnetic Fluids. Journal of Physical Chemistry C, 2009, 113, 7684-7691.	3.1	199
116	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. Analytical Chemistry, 2009, 81, 4308-4311.	6.5	264
117	Silver nanoparticles self assembly as SERS substrates with near single molecule detection limit. Physical Chemistry Chemical Physics, 2009, 11, 7381.	2.8	224
118	Development of portable SPR sensor devices based on integrated periodic arrays of nanoholes. Proceedings of SPIE, 2009, , .	0.8	0
119	Flow-Through Nanohole Array Based Sensing. , 2009, , .		0
120	Nanohole arrays in metal films as optofluidic elements: progress and potential. Microfluidics and Nanofluidics, 2008, 4, 107-116.	2.2	79
121	Selfâ€Assembled Au Nanoparticles as Substrates for Surfaceâ€Enhanced Vibrational Spectroscopy: Optimization and Electrochemical Stability. ChemPhysChem, 2008, 9, 1899-1907.	2.1	43
122	A New Generation of Sensors Based on Extraordinary Optical Transmission. Accounts of Chemical Research, 2008, 41, 1049-1057.	15.6	492
123	Biaxial nanohole array sensing and optofluidic integration. , 2008, , .		3
124	Comparison of SERS Performances of Co and Ni Ultrathin Films over Silver to Electrochemically Activated Co and Ni Electrodes. Journal of Physical Chemistry C, 2008, 112, 15348-15355.	3.1	9
125	Localized Raman Enhancement from a Double-Hole Nanostructure in a Metal Film. Journal of Physical Chemistry C, 2008, 112, 15098-15101.	3.1	62
126	Enhanced Raman Scattering from Nanoholes in a Copper Film. Journal of Physical Chemistry C, 2008, 112, 17051-17055.	3.1	48

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127	Plasmonic sensors based on nano-holes: technology and integration. Proceedings of SPIE, 2008, , .	0.8	8
128	Nanohole Arrays as Optical and Fluidic Elements for Sensing. , 2008, , .		0
129	Development of plasmonic substrates for biosensing. Proceedings of SPIE, 2008, , .	0.8	5
130	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. Applied Physics Letters, 2008, 92, .	3.3	37
131	Creating and fixing a metal nanoparticle layer on the holes of microstructured fibers for plasmonic applications. , 2008, , .		2
132	Hydrogen Peroxide as an Oxidant for Microfluidic Fuel Cells. Journal of the Electrochemical Society, 2007, 154, B1220.	2.9	115
133	Double nanohole-enhanced Raman spectroscopy. , 2007, , .		0
134	Significant Suppression of Spontaneous Emission in SiO2Photonic Crystals Made with Tb3+-Doped LaF3Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 4047-4051.	3.1	73
135	Double nanohole-enhanced Raman spectroscopy. , 2007, , .		0
136	A Hierarchical Self-Assembly Route to Three-Dimensional Polymerâ^'Quantum Dot Photonic Arrays. Langmuir, 2007, 23, 5251-5254.	3.5	30
137	Angle-dependent SHG enhancement from nanoscale doublehole arrays in a gold film. Journal of Physics: Conference Series, 2007, 61, 693-697.	0.4	1
138	On-Chip Surface-Based Detection with Nanohole Arrays. Analytical Chemistry, 2007, 79, 4094-4100.	6.5	258
139	High-performance microfluidic vanadium redox fuel cell. Electrochimica Acta, 2007, 52, 4942-4946.	5.2	127
140	Protoporphyrin-modified gold surfaces for the selective monitoring of catecholamines. Electrochimica Acta, 2007, 52, 3863-3869.	5.2	6
141	Apex-Enhanced Raman Spectroscopy Using Double-Hole Arrays in a Gold Film. Journal of Physical Chemistry C, 2007, 111, 2347-2350.	3.1	96
142	The Use of Polarization-dependent SERS from Scratched Gold Films to Selectively Eliminate Solution-phase Interference. Plasmonics, 2007, 2, 157-162.	3.4	13
143	Surface Plasmonâ^'Quantum Dot Coupling from Arrays of Nanoholes. Journal of Physical Chemistry B, 2006, 110, 8307-8313.	2.6	64
144	Nanoparticle-Containing Structures as a Substrate for Surface-Enhanced Raman Scattering. Langmuir, 2006, 22, 8696-8702.	3.5	100

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145	Dynamics of D2 released from the dissociation of D2O on a zirconium surface. Journal of Chemical Physics, 2006, 124, 124704.	3.0	2
146	Integration and Application of a Surface Plasmon Sensor Array On-Chip. , 2006, , .		0
147	The development of surface-plasmon-based sensors using arrays of sub-wavelength holes. , 2005, 6002, 31.		3
148	Enhanced Fluorescence from Arrays of Nanoholes in a Gold Film. Journal of the American Chemical Society, 2005, 127, 14936-14941.	13.7	203
149	Surface-enhanced Raman scattering from oxazine 720 adsorbed on scratched gold films. Journal of Raman Spectroscopy, 2005, 36, 629-634.	2.5	26
150	Basis and Lattice Polarization Mechanisms for Light Transmission through Nanohole Arrays in a Metal Film. Nano Letters, 2005, 5, 1243-1246.	9.1	66
151	Strong Polarized Enhanced Raman Scattering via Optical Tunneling through Random Parallel Nanostructures in Au Thin Films. Journal of Physical Chemistry B, 2005, 109, 401-405.	2.6	28
152	Increased cut-off wavelength for a subwavelength hole in a real metal. Optics Express, 2005, 13, 1933.	3.4	283
153	Electrokinetically-Induced Flow Over a Nano-Hole Array Sensor. , 2004, , 213.		1
154	Ratio of the surface-enhanced anti-Stokes scattering to the surface-enhanced Stokes-Raman scattering for molecules adsorbed on a silver electrode. Physical Review B, 2004, 69, .	3.2	69
155	Strong Polarization in the Optical Transmission through Elliptical Nanohole Arrays. Physical Review Letters, 2004, 92, 037401.	7.8	439
156	Surface-enhanced Raman scattering (SERS) from a silver electrode modified with oxazine 720. Canadian Journal of Chemistry, 2004, 82, 1474-1480.	1.1	27
157	Surface Plasmon Sensor Based on the Enhanced Light Transmission through Arrays of Nanoholes in Gold Films. Langmuir, 2004, 20, 4813-4815.	3.5	715
158	Nanohole-Enhanced Raman Scattering. Nano Letters, 2004, 4, 2015-2018.	9.1	418
159	Adsorption/desorption behaviour of cysteine and cystine in neutral and basic media: electrochemical evidence for differing thiol and disulfide adsorption to a Au(111) single crystal electrode. Journal of Electroanalytical Chemistry, 2003, 550-551, 291-301.	3.8	71
160	The orientation of 2,2â€²-bipyridine adsorbed at a SERS-active Au(111) electrode surface. Journal of Electroanalytical Chemistry, 2003, 547, 163-172.	3.8	70
161	Investigation of the Adsorption ofl-Cysteine on a Polycrystalline Silver Electrode by Surface-Enhanced Raman Scattering (SERS) and Surface-Enhanced Second Harmonic Generation (SESHG). Journal of Physical Chemistry B, 2002, 106, 5982-5987.	2.6	102
162	In situ micro Raman investigation of electrochemically formed halide and pseudohalide films on mercury electrodes. Journal of Raman Spectroscopy, 2002, 33, 136-141.	2.5	7

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163	Applications of surface enhanced Raman scattering to the study of metal-adsorbate interactions. Journal of Molecular Structure, 1997, 405, 29-44.	3.6	111
164	The adsorption and orientation of pyrazine on silver electrodes: a surface enhanced Raman scattering study. Journal of Electroanalytical Chemistry, 1996, 414, 183-196.	3.8	5