

Alexandre G Brolo

List of Publications by Year in descending order

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164
papers

13,016
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44444

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25983

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164
docs citations

164
times ranked

15423
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. <i>Applied Spectroscopy</i> , 2022, 76, 462-474.	1.2	9
2	Nanotechnology Driven Cancer Chemoradiation: Exploiting the Full Potential of Radiotherapy with a Unique Combination of Gold Nanoparticles and Bleomycin. <i>Pharmaceutics</i> , 2022, 14, 233.	2.0	6
3	Single-Molecule SERS Hotspot Dynamics in Both Dry and Aqueous Environments. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7117-7126.	1.5	8
4	Quantification of a COVID-19 Antibody Assay Using a Lateral Flow Test and a Cell Phone. <i>Chemosensors</i> , 2022, 10, 234.	1.8	5
5	Raman maps reveal heterogeneous hydrogenation on carbon materials. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 516-524.	1.2	7
6	Selective suppression of {112} anatase facets by fluorination for enhanced TiO ₂ particle size and phase stability at elevated temperatures. <i>Nanoscale Advances</i> , 2021, 3, 6223-6230.	2.2	3
7	Plasmonic linewidth narrowing by encapsulation in a dispersive absorbing material. <i>Physical Review Research</i> , 2021, 3, .	1.3	5
8	Raman spectroscopy and group and basis-restricted non negative matrix factorisation identifies radiation induced metabolic changes in human cancer cells. <i>Scientific Reports</i> , 2021, 11, 3853.	1.6	16
9	Ultra-High-Speed Dynamics in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7523-7532.	1.5	11
10	Digital plasmonic holography with iterative phase retrieval for sensing. <i>Optics Express</i> , 2021, 29, 3026.	1.7	0
11	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	7.3	2,153
12	Dynamic Imaging of Multiple SERS Hotspots on Single Nanoparticles. <i>ACS Photonics</i> , 2020, 7, 434-443.	3.2	24
13	A review on recent advances in the applications of surface-enhanced Raman scattering in analytical chemistry. <i>Analytica Chimica Acta</i> , 2020, 1097, 1-29.	2.6	339
14	High-Speed Fluctuations in Surface-Enhanced Raman Scattering Intensities from Various Nanostructures. <i>Applied Spectroscopy</i> , 2020, 74, 1398-1406.	1.2	9
15	Exploring Diffusion and Cellular Uptake: Charged Gold Nanoparticles in an in Vitro Breast Cancer Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 6992-7002.	2.3	21
16	Detection of Buried Explosives Using a Surface-Enhanced Raman Scattering (SERS) Substrate Tailored for Miniaturized Spectrometers. <i>ACS Sensors</i> , 2020, 5, 2933-2939.	4.0	36
17	Peering into the Formation of Template-Free Hierarchical Flowerlike Nanostructures of SrTiO ₃ . <i>ACS Omega</i> , 2020, 5, 33007-33016.	1.6	5
18	Monitor Ionizing Radiation-Induced Cellular Responses with Raman Spectroscopy, Non-Negative Matrix Factorization, and Non-Negative Least Squares. <i>Applied Spectroscopy</i> , 2020, 74, 701-711.	1.2	14

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19	From Dermal Patch to Implants—Applications of Biocomposites in Living Tissues. <i>Molecules</i> , 2020, 25, 507.	1.7	6
20	High-speed imaging of surface-enhanced Raman scattering fluctuations from individual nanoparticles. <i>Nature Nanotechnology</i> , 2019, 14, 981-987.	15.6	115
21	Intensity Fluctuations in Single-Molecule Surface-Enhanced Raman Scattering. <i>Accounts of Chemical Research</i> , 2019, 52, 456-464.	7.6	76
22	Raman spectroscopy detects metabolic signatures of radiation response and hypoxic fluctuations in non-small cell lung cancer. <i>BMC Cancer</i> , 2019, 19, 474.	1.1	9
23	Collagen Type I—Gelatin Methacryloyl Composites: Mimicking the Tumor Microenvironment. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2887-2898.	2.6	18
24	Haralick texture feature analysis for quantifying radiation response heterogeneity in murine models observed using Raman spectroscopic mapping. <i>PLoS ONE</i> , 2019, 14, e0212225.	1.1	11
25	Plasmonic Light-Trapping Concept for Nanoabsorber Photovoltaics. <i>ACS Applied Energy Materials</i> , 2019, 2, 2255-2262.	2.5	5
26	Nanostructuring Solar Cells Using Metallic Nanoparticles. , 2019, , 197-221.		8
27	Absorption leads to narrower plasmonic resonances. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, F117.	0.9	9
28	Surface-enhanced Raman scattering from bowtie nanoaperture arrays. <i>Surface Science</i> , 2018, 676, 39-45.	0.8	14
29	<i>Ex Vivo</i> Detection of Circulating Tumor Cells from Whole Blood by Direct Nanoparticle Visualization. <i>ACS Nano</i> , 2018, 12, 1902-1909.	7.3	30
30	Zika Immunoassay Based on Surface-Enhanced Raman Scattering Nanoprobes. <i>ACS Sensors</i> , 2018, 3, 587-594.	4.0	57
31	Template-Stripping Fabricated Plasmonic Nanogratings for Chemical Sensing. <i>Plasmonics</i> , 2018, 13, 231-237.	1.8	5
32	Digital Protocol for Chemical Analysis at Ultralow Concentrations by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2018, 90, 1248-1254.	3.2	63
33	Uncovering the Mechanism for the Formation of Copper Thioantimonate (Sb ^V) Nanoparticles and Its Transition to Thioantimonide (Sb ^{III}). <i>Crystal Growth and Design</i> , 2018, 18, 6521-6527.	1.4	10
34	Digital plasmonic holography. <i>Light: Science and Applications</i> , 2018, 7, 52.	7.7	17
35	Breast cancer subtype specific biochemical responses to radiation. <i>Analyst, The</i> , 2018, 143, 3850-3858.	1.7	18
36	Light trapping in a-Si:H thin film solar cells using silver nanostructures. <i>AIP Advances</i> , 2017, 7, .	0.6	14

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37	Plasmonic labeling of subcellular compartments in cancer cells: multiplexing with fine-tuned gold and silver nanoshells. <i>Chemical Science</i> , 2017, 8, 3038-3046.	3.7	27
38	Polarization-dependent surface-enhanced Raman scattering (SERS) from microarrays. <i>Analytica Chimica Acta</i> , 2017, 972, 73-80.	2.6	9
39	Comparing the Electrochemical Response of Nanostructured Electrode Arrays. <i>Analytical Chemistry</i> , 2017, 89, 6129-6135.	3.2	13
40	Evaluation of Surface-Enhanced Raman Spectroscopy Substrates from Single-Molecule Statistics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25487-25493.	1.5	8
41	Recessed Gold Nanoring Ring Microarray Electrodes. <i>Analytical Chemistry</i> , 2017, 89, 9870-9876.	3.2	9
42	Proof of concept for a passive sampler for monitoring of gaseous elemental mercury in artisanal gold mining. <i>Scientific Reports</i> , 2017, 7, 16513.	1.6	9
43	Immunoassay quantification using surface-enhanced fluorescence (SEF) tags. <i>Analyst, The</i> , 2017, 142, 2717-2724.	1.7	25
44	Determination of aqueous antibiotic solutions using SERS nanogratings. <i>Analytica Chimica Acta</i> , 2017, 982, 148-155.	2.6	70
45	The electrochemical reduction of CO ₂ on a copper electrode in 1- <i>n</i> -butyl-3-methyl imidazolium tetrafluoroborate (BMI.BF ₄) monitored by surface-enhanced Raman scattering (SERS). <i>Journal of Raman Spectroscopy</i> , 2016, 47, 674-680.	1.2	31
46	Low-Cost Leukemic Serum Marker Screening Using Large Area Nanohole Arrays on Plastic Substrates. <i>ACS Sensors</i> , 2016, 1, 1103-1109.	4.0	16
47	Raman spectroscopy identifies radiation response in human non-small cell lung cancer xenografts. <i>Scientific Reports</i> , 2016, 6, 21006.	1.6	57
48	Electrochemical Control of Light Transmission through Nanohole Electrode Arrays. <i>ACS Photonics</i> , 2016, 3, 2375-2382.	3.2	14
49	Single-Molecule Surface-Enhanced (Resonance) Raman Scattering (SE(R)RS) as a Probe for Metal Colloid Aggregation State. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20877-20885.	1.5	25
50	Large Area Plasmonic Gold Nanopillar 3-D Electrodes. <i>Electrochimica Acta</i> , 2016, 188, 91-97.	2.6	4
51	Microfluidic Plasmonic Biosensor for Breast Cancer Antigen Detection. <i>Plasmonics</i> , 2016, 11, 45-51.	1.8	44
52	Radiation-Induced Glycogen Accumulation Detected by Single Cell Raman Spectroscopy Is Associated with Radioresistance that Can Be Reversed by Metformin. <i>PLoS ONE</i> , 2015, 10, e0135356.	1.1	28
53	Surface plasmon enhanced up-conversion from NaYF ₄ :Yb/Er/Gd nano-rods. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16170-16177.	1.3	15
54	Polarization-dependent extraordinary optical transmission from upconversion nanoparticles. <i>Nanoscale</i> , 2015, 7, 18250-18258.	2.8	6

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55	Improving the performance of gold nanohole array biosensors by controlling the optical collimation conditions. <i>Applied Optics</i> , 2015, 54, 6502.	2.1	21
56	SERS optrode as a "fishing rod" to direct pre-concentrate analytes from superhydrophobic surfaces. <i>Chemical Communications</i> , 2015, 51, 1965-1968.	2.2	31
57	Leukemic marker detection using a spectro-polarimetric surface plasmon resonance platform. <i>Biosensors and Bioelectronics</i> , 2015, 63, 80-85.	5.3	19
58	Cost-effective nanostructured thin-film solar cell with enhanced absorption. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	14
59	A silver nanoparticle embedded hydrogel as a substrate for surface contamination analysis by surface-enhanced Raman scattering. <i>Analyst, The</i> , 2014, 139, 5283-5289.	1.7	38
60	Comparison of Ag and SiO ₂ Nanoparticles for Light Trapping Applications in Silicon Thin Film Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3302-3306.	2.1	15
61	Engineering of CdTe Multicore in ZnO Nanoshell as a New Charge-Transfer Material. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18372-18376.	1.5	4
62	Optimizing Plasmonic Silicon Photovoltaics with Ag and Au Nanoparticle Mixtures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5889-5895.	1.5	34
63	Ag decorated sandpaper as flexible SERS substrate for direct swabbing sampling. <i>Materials Letters</i> , 2014, 133, 57-59.	1.3	48
64	Statistical Correlation Between SERS Intensity and Nanoparticle Cluster Size. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16596-16605.	1.5	41
65	Surface-Enhanced Resonance Raman Scattering (SERRS) Using Au Nanohole Arrays on Optical Fiber Tips. <i>Plasmonics</i> , 2013, 8, 1113-1121.	1.8	36
66	Quantification of ovarian cancer markers with integrated microfluidic concentration gradient and imaging nanohole surface plasmon resonance. <i>Analyst, The</i> , 2013, 138, 1450.	1.7	58
67	Surface-enhanced Raman scattering (SERS) from Au:Ag bimetallic nanoparticles: the effect of the molecular probe. <i>Chemical Science</i> , 2013, 4, 509-515.	3.7	183
68	Enhanced performance of dye-sensitized solar cells using gold nanoparticles modified fluorine tin oxide electrodes. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 024005.	1.3	31
69	Improved Synthesis of Gold and Silver Nanoshells. <i>Langmuir</i> , 2013, 29, 4366-4372.	1.6	66
70	Detection of hydrogen peroxide using an optical fiber-based sensing probe. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 166-173.	4.0	18
71	Periodic Metallic Nanostructures as Plasmonic Chemical Sensors. <i>Langmuir</i> , 2013, 29, 5638-5649.	1.6	189
72	Effect of periodicity on the performance of surface plasmon resonance sensors based on subwavelength nanohole arrays. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 366-370.	4.0	43

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73	Plasmonics for future biosensors. <i>Nature Photonics</i> , 2012, 6, 709-713.	15.6	919
74	Cu nanoparticles enable plasmonic-improved silicon photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15722.	1.3	13
75	Surface-enhanced Raman scattering (SERS) optrodes for multiplexed on-chip sensing of Nile blue A and oxazine 720. <i>Lab on a Chip</i> , 2012, 12, 1554.	3.1	49
76	Surface-Enhanced Resonance Raman Scattering on Gold Concentric Rings: Polarization Dependence and Intensity Fluctuations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2672-2676.	1.5	19
77	Mapping the Energy Distribution of SERS Hot Spots from Anti-Stokes to Stokes Intensity Ratios. <i>Journal of the American Chemical Society</i> , 2012, 134, 13492-13500.	6.6	36
78	Side-by-Side Assembly of Gold Nanorods Reduces Ensemble-Averaged SERS Intensity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5538-5545.	1.5	67
79	Nanoplasmonic Structures in Optical Fibers. , 2012, , 289-315.		9
80	Optofluidic Concentration: Plasmonic Nanostructure as Concentrator and Sensor. <i>Nano Letters</i> , 2012, 12, 1592-1596.	4.5	121
81	Fluctuations of the Stokes and anti-Stokes surface-enhanced resonance Raman scattering intensities in an electrochemical environment. <i>Chemical Communications</i> , 2011, 47, 7158.	2.2	16
82	Detecting Antibodies Secreted by Trapped Cells Using Extraordinary Optical Transmission. <i>IEEE Sensors Journal</i> , 2011, 11, 2732-2739.	2.4	9
83	Layer-by-Layer Characterization of a Model Biofuel Cell Anode by (in Situ) Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 310-316.	1.5	5
84	Statistics on Surface-Enhanced Resonance Raman Scattering from Single Nanoshells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19104-19109.	1.5	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. <i>Journal of the American Chemical Society</i> , 2011, 133, 7563-7570.	6.6	251
87	Biochemical signatures of <i>in vitro</i> radiation response in human lung, breast and prostate tumour cells observed with Raman spectroscopy. <i>Physics in Medicine and Biology</i> , 2011, 56, 6839-6855.	1.6	58
88	Improved Performance of Nanohole Surface Plasmon Resonance Sensors by the Integrated Response Method. <i>IEEE Photonics Journal</i> , 2011, 3, 441-449.	1.0	25
89	Spectroscopic investigations and computational study of sulfur trioxide-pyridine complex. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1812-1819.	1.2	13
90	A review on the fabrication of substrates for surface enhanced Raman spectroscopy and their applications in analytical chemistry. <i>Analytica Chimica Acta</i> , 2011, 693, 7-25.	2.6	905

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91	Probing speciation inside a conducting polymer matrix by in situ spectroelectrochemistry. <i>Electrochimica Acta</i> , 2011, 56, 3101-3107.	2.6	8
92	Integrated nanohole array surface plasmon resonance sensing device using a dual-wavelength source. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 115001.	1.5	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. <i>Analytical Chemistry</i> , 2010, 82, 6350-6352.	3.2	107
96	Largeâ€œArea Fabrication of Periodic Arrays of Nanoholes in Metal Films and Their Application in Biosensing and Plasmonicâ€œEnhanced Photovoltaics. <i>Advanced Functional Materials</i> , 2010, 20, 3918-3924.	7.8	125
97	Surfaceâ€œenhanced Raman scattering from polystyrene on gold clusters. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 745-751.	1.2	72
98	Controlling the Photoluminescence from a Laser Dye through the Oxidation Level of Polypyrrole. <i>Macromolecular Rapid Communications</i> , 2010, 31, 289-294.	2.0	3
99	Use of polarization-dependent SERS from scratched gold films to monitor the electrochemically-driven desorption and readsorption of cysteine. <i>Journal of Electroanalytical Chemistry</i> , 2010, 649, 159-163.	1.9	14
100	Multilayer silver nanoparticles-modified optical fiber tip for high performance SERS remote sensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2270-2275.	5.3	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. <i>Analytical Chemistry</i> , 2010, 82, 10015-10020.	3.2	103
106	Variability in Raman Spectra of Single Human Tumor Cells Cultured <i>in vitro</i> : Correlation with Cell Cycle and Culture Confluency. <i>Applied Spectroscopy</i> , 2010, 64, 871-887.	1.2	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. <i>Proceedings of SPIE</i> , 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. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3233-3238.	0.9	21
110	FTIR, FT-Raman and SERS spectra of anilinium sulfate. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1810-1815.	1.2	36
111	Protonation and deprotonation of cysteine and cystine monolayers probed by impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2009, 625, 109-116.	1.9	31
112	Tuning Gold Nanoparticle Self-Assembly for Optimum Coherent Anti-Stokes Raman Scattering and Second Harmonic Generation Response. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3586-3592.	1.5	44
113	Electrochemical Control of the Time-Dependent Intensity Fluctuations in Surface-Enhanced Raman Scattering (SERS). <i>Journal of Physical Chemistry C</i> , 2009, 113, 17737-17744.	1.5	62
114	Attomolar Protein Detection Using in-Hole Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2009, 131, 436-437.	6.6	131
115	Structural Investigation of MFe_2O_4 (M = Fe, Co) Magnetic Fluids. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7684-7691.	1.5	199
116	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. <i>Analytical Chemistry</i> , 2009, 81, 4308-4311.	3.2	264
117	Silver nanoparticles self assembly as SERS substrates with near single molecule detection limit. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7381.	1.3	224
118	Development of portable SPR sensor devices based on integrated periodic arrays of nanoholes. <i>Proceedings of SPIE</i> , 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. <i>Microfluidics and Nanofluidics</i> , 2008, 4, 107-116.	1.0	79
121	Self-Assembled Au Nanoparticles as Substrates for Surface-Enhanced Vibrational Spectroscopy: Optimization and Electrochemical Stability. <i>ChemPhysChem</i> , 2008, 9, 1899-1907.	1.0	43
122	A New Generation of Sensors Based on Extraordinary Optical Transmission. <i>Accounts of Chemical Research</i> , 2008, 41, 1049-1057.	7.6	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. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15348-15355.	1.5	9
125	Localized Raman Enhancement from a Double-Hole Nanostructure in a Metal Film. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15098-15101.	1.5	62
126	Enhanced Raman Scattering from Nanoholes in a Copper Film. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17051-17055.	1.5	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, .	1.5	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.	1.3	115
133	Double nanohole-enhanced Raman spectroscopy. , 2007, , .		0
134	Significant Suppression of Spontaneous Emission in SiO ₂ Photonic Crystals Made with Tb ³⁺ -Doped LaF ₃ Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 4047-4051.	1.5	73
135	Double nanohole-enhanced Raman spectroscopy. , 2007, , .		0
136	A Hierarchical Self-Assembly Route to Three-Dimensional Polymer-Quantum Dot Photonic Arrays. Langmuir, 2007, 23, 5251-5254.	1.6	30
137	Angle-dependent SHG enhancement from nanoscale doublehole arrays in a gold film. Journal of Physics: Conference Series, 2007, 61, 693-697.	0.3	1
138	On-Chip Surface-Based Detection with Nanohole Arrays. Analytical Chemistry, 2007, 79, 4094-4100.	3.2	258
139	High-performance microfluidic vanadium redox fuel cell. Electrochimica Acta, 2007, 52, 4942-4946.	2.6	127
140	Protoporphyrin-modified gold surfaces for the selective monitoring of catecholamines. Electrochimica Acta, 2007, 52, 3863-3869.	2.6	6
141	Apex-Enhanced Raman Spectroscopy Using Double-Hole Arrays in a Gold Film. Journal of Physical Chemistry C, 2007, 111, 2347-2350.	1.5	96
142	The Use of Polarization-dependent SERS from Scratched Gold Films to Selectively Eliminate Solution-phase Interference. Plasmonics, 2007, 2, 157-162.	1.8	13
143	Surface Plasmon-Quantum Dot Coupling from Arrays of Nanoholes. Journal of Physical Chemistry B, 2006, 110, 8307-8313.	1.2	64
144	Nanoparticle-Containing Structures as a Substrate for Surface-Enhanced Raman Scattering. Langmuir, 2006, 22, 8696-8702.	1.6	100

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145	Dynamics of D ₂ released from the dissociation of D ₂ O on a zirconium surface. Journal of Chemical Physics, 2006, 124, 124704.	1.2	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.	6.6	203
149	Surface-enhanced Raman scattering from oxazine 720 adsorbed on scratched gold films. Journal of Raman Spectroscopy, 2005, 36, 629-634.	1.2	26
150	Basis and Lattice Polarization Mechanisms for Light Transmission through Nanohole Arrays in a Metal Film. Nano Letters, 2005, 5, 1243-1246.	4.5	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.	1.2	28
152	Increased cut-off wavelength for a subwavelength hole in a real metal. Optics Express, 2005, 13, 1933.	1.7	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, .	1.1	69
155	Strong Polarization in the Optical Transmission through Elliptical Nanohole Arrays. Physical Review Letters, 2004, 92, 037401.	2.9	439
156	Surface-enhanced Raman scattering (SERS) from a silver electrode modified with oxazine 720. Canadian Journal of Chemistry, 2004, 82, 1474-1480.	0.6	27
157	Surface Plasmon Sensor Based on the Enhanced Light Transmission through Arrays of Nanoholes in Gold Films. Langmuir, 2004, 20, 4813-4815.	1.6	715
158	Nanohole-Enhanced Raman Scattering. Nano Letters, 2004, 4, 2015-2018.	4.5	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.	1.9	71
160	The orientation of 2,2'-bipyridine adsorbed at a SERS-active Au(111) electrode surface. Journal of Electroanalytical Chemistry, 2003, 547, 163-172.	1.9	70
161	Investigation of the Adsorption of 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.	1.2	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.	1.2	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.	1.8	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.	1.9	5