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Giant Raman enhancement on nanoporous gold film by conjugating with nanoparticles for single-molecule detection

DOI: 10.1039/c0jm00884b

Journal of Materials Chemistry, 2010, 20, 6891.

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Version: 2024-04-27

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#	Paper	IF	Citations
46	Gold nanoprobe for theranostics. <i>Nanomedicine</i> , 2011 , 6, 1787-811	5.6	43
45	Widely tuning optical properties of nanoporous gold-titania core-shells. <i>Journal of Chemical Physics</i> , 2011 , 134, 014707	3.9	11
44	Convective assembly of linear gold nanoparticle arrays at the micron scale for surface enhanced Raman scattering. <i>Nano Research</i> , 2011 , 4, 1117-1128	10	33
43	Dealloying Ag-Al alloy to prepare nanoporous silver as a substrate for surface-enhanced Raman scattering: effects of structural evolution and surface modification. <i>ChemPhysChem</i> , 2011 , 12, 2118-23	3.2	45
42	Core-shell Au@TiO ₂ nanoarchitectures formed by pulsed laser deposition for enhanced efficiency in dye sensitized solar cells. <i>RSC Advances</i> , 2012 , 2, 3791	3.7	35
41	Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3320-3328	3.8	28
40	Nanoscale convection assisted self-assembly of nanoparticle monolayer. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4932		10
39	Enhanced single molecule fluorescence and reduced observation volumes on nanoporous gold (NPG) films. <i>Chemical Communications</i> , 2013 , 49, 10874-6	5.8	19
38	Tuning the electromagnetic field coupling between nanoporous silver and silver nanoparticles connected by hybridized oligonucleotide. <i>Chemical Physics Letters</i> , 2013 , 555, 178-181	2.5	4
37	Application Progress of Nanoporous Gold in Analytical Chemistry. <i>Chinese Journal of Analytical Chemistry</i> , 2013 , 41, 137-144	1.6	19
36	Nanoporous Gold Electrodes and Their Applications in Analytical Chemistry. 2013 , 2013, 1-21		70
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31	Using corrosion to fabricate various nanoporous metal structures. <i>Corrosion Science</i> , 2015 , 92, 16-31	6.8	71
30	Intense Raman scattering on hybrid Au/Ag nanoplatforms for the distinction of MMP-9-digested collagen type-I fiber detection. <i>Biosensors and Bioelectronics</i> , 2015 , 72, 61-70	11.8	14

29	Hierarchical porous Ni/NiO core/shells with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10519-10525	13	106
28	Plasmon-enhanced fluorescence of PbS quantum dots for remote near-infrared imaging. <i>Chemical Communications</i> , 2015 , 51, 141-4	5.8	32
27	Morphological control and plasmonic tuning of nanoporous gold disks by surface modifications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 247-252	7.1	44
26	Conformations of 2-thiouracil in the aqueous solution and its adsorption behavior on the gold substrates explored by DFT calculations and experimental methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 134, 399-405	4.4	7
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23	Silver colloid and film substrates in surface-enhanced Raman scattering for 2-thiouracil detection. <i>RSC Advances</i> , 2016 , 6, 75282-75292	3.7	72
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17	Nanoporous copper fabricated from Zr ₆₅ Cu _{17.5} Fe ₁₀ Al _{7.5} amorphous alloy and its electrocatalytic oxidation performance. <i>Intermetallics</i> , 2017 , 90, 23-29	3.5	8
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8	Plasmonic nanosponges filled with silicon for enhanced white light emission. <i>Nanoscale</i> , 2020 , 12, 1013-1021	10.7	17
7	Nanoporous metals, plasmonic properties and applications. 2021 ,		
6	Nanoporous Metals: From Plasmonic Properties to Applications in Enhanced Spectroscopy and Photocatalysis. <i>ACS Nano</i> , 2021 , 15, 6038-6060	16.7	38
5	Composite Structure of Ag Colloidal Particles and Au Sinusoidal Nanograting with Large-Scale Ultra-High Field Enhancement for SERS Detection. <i>Photonics</i> , 2021 , 8, 415	2.2	1
4	Nanoporous Metals. 2013 , 779-818		8
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