

Scott G Harroun

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,548
citations

430442

18
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

2527
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Surface-enhanced Raman spectroscopy and density functional theory study of thymine-1-acetic acid interaction with silver nanoparticles. <i>Canadian Journal of Chemistry</i> , 2022, 100, 55-62. | 0.6 | 0 |
| 2 | Exploring molecular moieties on carbonized polymer dots from flavonoid glycosides with activity against enterovirus A71. <i>Carbon</i> , 2022, 192, 285-294. | 5.4 | 6 |
| 3 | Monitoring protein conformational changes using fluorescent nanoantennas. <i>Nature Methods</i> , 2022, 19, 71-80. | 9.0 | 17 |
| 4 | Partial carbonization of quercetin boosts the antiviral activity against H1N1 influenza A virus. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 481-493. | 5.0 | 9 |
| 5 | Silver oxide model surface improves computational simulation of surface-enhanced Raman spectroscopy on silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15480-15484. | 1.3 | 1 |
| 6 | Targeting nanocomposites with anti-oxidative/inflammatory/angiogenic activities for synergistically alleviating macular degeneration. <i>Applied Materials Today</i> , 2021, 24, 101156. | 2.3 | 9 |
| 7 | Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. <i>Biomaterials Science</i> , 2021, 9, 4679-4690. | 2.6 | 9 |
| 8 | Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease. <i>Journal of Nanobiotechnology</i> , 2021, 19, 448. | 4.2 | 5 |
| 9 | In situ synthesis of core-shell carbon nanowires as a potent targeted anticoagulant. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 583-596. | 5.0 | 9 |
| 10 | Nanoparticle-Based LDI-MS Immunoassay for the Multiple Diagnosis of Viral Infections. <i>ACS Sensors</i> , 2019, 4, 1543-1551. | 4.0 | 36 |
| 11 | Synergistically dual-functional nano eye-drops for simultaneous anti-inflammatory and anti-oxidative treatment of dry eye disease. <i>Nanoscale</i> , 2019, 11, 5580-5594. | 2.8 | 66 |
| 12 | Dual-functional gelatin-capped silver nanoparticles for antibacterial and antiangiogenic treatment of bacterial keratitis. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 112-126. | 5.0 | 59 |
| 13 | Programmable DNA switches and their applications. <i>Nanoscale</i> , 2018, 10, 4607-4641. | 2.8 | 101 |
| 14 | The Controversial Orientation of Adenine on Gold and Silver. <i>ChemPhysChem</i> , 2018, 19, 1003-1015. | 1.0 | 24 |
| 15 | Visual detection of cyanide ions by membrane-based nanozyme assay. <i>Biosensors and Bioelectronics</i> , 2018, 102, 510-517. | 5.3 | 61 |
| 16 | Adsorption orientation of 8-azaadenine on silver nanoparticles determined by SERS and DFT. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 376-382. | 1.2 | 7 |
| 17 | Self-Assembled Chiral Gold Supramolecules with Efficient Laser Absorption for Enantiospecific Recognition of Carnitine. <i>Analytical Chemistry</i> , 2018, 90, 7283-7291. | 3.2 | 25 |
| 18 | Green synthesis of catalytic gold/bismuth oxyiodide nanocomposites with oxygen vacancies for treatment of bacterial infections. <i>Nanoscale</i> , 2018, 10, 11808-11819. | 2.8 | 47 |

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|----|--|-----|-----------|
| 19 | Metal-deposited bismuth oxyiodide nanonetworks with tunable enzyme-like activity: sensing of mercury and lead ions. <i>Materials Chemistry Frontiers</i> , 2017, 1, 893-899. | 3.2 | 34 |
| 20 | Biomarkers of cigarette smoking and DNA methylating agents: Raman, SERS and DFT study of 3-methyladenine and 7-methyladenine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 1-7. | 2.0 | 13 |
| 21 | Reborn from the Ashes: Turning Organic Molecules to Antimicrobial Carbon Quantum Dots. <i>ACS Infectious Diseases</i> , 2017, 3, 777-779. | 1.8 | 29 |
| 22 | DNA Modulates the Interaction of Genetically Engineered DNA-Binding Proteins and Gold Nanoparticles: Diagnosis of High-Risk HPV Infection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44307-44315. | 4.0 | 12 |
| 23 | Super-Cationic Carbon Quantum Dots Synthesized from Spermidine as an Eye Drop Formulation for Topical Treatment of Bacterial Keratitis. <i>ACS Nano</i> , 2017, 11, 6703-6716. | 7.3 | 325 |
| 24 | Satellite-like Gold Nanocomposites for Targeted Mass Spectrometry Imaging of Tumor Tissues. <i>Nanotheranostics</i> , 2017, 1, 141-153. | 2.7 | 15 |
| 25 | Ultrastrong trapping of VEGF by graphene oxide: Anti-angiogenesis application. <i>Biomaterials</i> , 2016, 109, 12-22. | 5.7 | 63 |
| 26 | Synthesis of Self-Assembled Spermidine-Carbon Quantum Dots Effective against Multidrug-Resistant Bacteria. <i>Advanced Healthcare Materials</i> , 2016, 5, 2545-2554. | 3.9 | 151 |
| 27 | Photoluminescence sensing systems based on copper, gold and silver nanomaterials. <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 129-138. | 9.5 | 48 |
| 28 | Immobilization of aptamer-modified gold nanoparticles on BiOCl nanosheets: Tunable peroxidase-like activity by protein recognition. <i>Biosensors and Bioelectronics</i> , 2016, 75, 181-187. | 5.3 | 57 |
| 29 | Self-Assembly of Antimicrobial Peptides on Gold Nanodots: Against Multidrug-Resistant Bacteria and Wound-Healing Application. <i>Advanced Functional Materials</i> , 2015, 25, 7189-7199. | 7.8 | 249 |
| 30 | The development of "fab-chips" as low-cost, sensitive surface-enhanced Raman spectroscopy (SERS) substrates for analytical applications. <i>Analyst, The</i> , 2015, 140, 779-785. | 1.7 | 38 |
| 31 | Electrochemical surface-enhanced Raman spectroscopy (E-SERS) of novel biodegradable ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19205. | 1.3 | 23 |