

# 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	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
2	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
3	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
4	Programmable DNA switches and their applications. <i>Nanoscale</i> , 2018, 10, 4607-4641.	2.8	101
5	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
6	Ultrastrong trapping of VEGF by graphene oxide: Anti-angiogenesis application. <i>Biomaterials</i> , 2016, 109, 12-22.	5.7	63
7	Visual detection of cyanide ions by membrane-based nanozyme assay. <i>Biosensors and Bioelectronics</i> , 2018, 102, 510-517.	5.3	61
8	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
9	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
10	Photoluminescence sensing systems based on copper, gold and silver nanomaterials. <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 129-138.	9.5	48
11	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
12	The development of "fab-chips" as low-cost, sensitive surface-enhanced Raman spectroscopy (SERS) substrates for analytical applications. <i>Analyst</i> , The, 2015, 140, 779-785.	1.7	38
13	Nanoparticle-Based LDI-MS Immunoassay for the Multiple Diagnosis of Viral Infections. <i>ACS Sensors</i> , 2019, 4, 1543-1551.	4.0	36
14	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
15	Reborn from the Ashes: Turning Organic Molecules to Antimicrobial Carbon Quantum Dots. <i>ACS Infectious Diseases</i> , 2017, 3, 777-779.	1.8	29
16	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
17	The Controversial Orientation of Adenine on Gold and Silver. <i>ChemPhysChem</i> , 2018, 19, 1003-1015.	1.0	24
18	Electrochemical surface-enhanced Raman spectroscopy (E-SERS) of novel biodegradable ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19205.	1.3	23

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19	Monitoring protein conformational changes using fluorescent nanoantennas. <i>Nature Methods</i> , 2022, 19, 71-80.	9.0	17
20	Satellite-like Gold Nanocomposites for Targeted Mass Spectrometry Imaging of Tumor Tissues. <i>Nanotheranostics</i> , 2017, 1, 141-153.	2.7	15
21	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
22	DNA Modulates the Interaction of Genetically Engineered DNA-Binding Proteins and Gold Nanoparticles: Diagnosis of High-Risk HPV Infection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44307-44315.	4.0	12
23	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
24	Targeting nanocomposites with anti-oxidative/inflammatory/angiogenic activities for synergistically alleviating macular degeneration. <i>Applied Materials Today</i> , 2021, 24, 101156.	2.3	9
25	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. <i>Biomaterials Science</i> , 2021, 9, 4679-4690.	2.6	9
26	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
27	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
28	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
29	Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease. <i>Journal of Nanobiotechnology</i> , 2021, 19, 448.	4.2	5
30	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
31	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