

Christy L Haynes

List of Publications by Year in descending order

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168
papers

20,480
citations

36203

51
h-index

9839

141
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168
all docs

168
docs citations

168
times ranked

24269
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the Presence and Function of Platelet Opioid Receptors. ACS Measurement Science Au, 2022, 2, 4-13.	1.9	5
2	Development of a Highly Responsive Organofluorine Temperature Sensor for ¹⁹ F Magnetic Resonance Applications. Analytical Chemistry, 2022, 94, 3782-3790.	3.2	4
3	NGenE 2021: Electrochemistry Is Everywhere. ACS Energy Letters, 2022, 7, 368-374.	8.8	6
4	Effect of (3-aminopropyl)triethoxysilane on dissolution of silica nanoparticles synthesized <i>via</i> reverse micro emulsion. Nanoscale, 2022, 14, 9021-9030.	2.8	4
5	Unconventional aliphatic fluorophores discovered as the luminescence origin in citric acid-urea carbon dots. Nanoscale, 2022, 14, 9516-9525.	2.8	12
6	Sensing Food Contaminants: Advances in Analytical Methods and Techniques. Analytical Chemistry, 2021, 93, 23-40.	3.2	47
7	Optimization of film over nanosphere substrate fabrication for SERS sensing of the allergen soybean agglutinin. Journal of Raman Spectroscopy, 2021, 52, 482-490.	1.2	14
8	Introducing Analytical Chemistry's Diversity and Inclusion Cover Art Series. Analytical Chemistry, 2021, 93, 1211-1212.	3.2	2
9	Multicolor polymeric carbon dots: synthesis, separation and polyamide-supported molecular fluorescence. Chemical Science, 2021, 12, 2441-2455.	3.7	82
10	Preface to the special issue dedicated to Professor Richard P. Van Duyne (1945-2019). Journal of Raman Spectroscopy, 2021, 52, 263-267.	1.2	2
11	Silica Nanoparticle Dissolution Rate Controls the Suppression of Fusarium Wilt of Watermelon (<i>Citrullus lanatus</i>). Environmental Science & Technology, 2021, 55, 13513-13522.	4.6	52
12	Plasmodium chabaudi Affects Mast Cell Degranulation as Measured by Carbon-Fiber Microelectrode Amperometry. ACS Infectious Diseases, 2021, 7, 1650-1656.	1.8	0
13	Investigation of the Post-Synthetic Confinement of Fluorous Liquids Inside Mesoporous Silica Nanoparticles. Langmuir, 2021, 37, 5222-5231.	1.6	3
14	Surface-enhanced Raman spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	11.8	183
15	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
16	Multidimensional Nanoparticle Characterization through Ion Mobility-Mass Spectrometry. Analytical Chemistry, 2020, 92, 2503-2510.	3.2	16
17	Preparation of Scalable Silica-Coated Iron Oxide Nanoparticles for Nanowarming. Advanced Science, 2020, 7, 1901624.	5.6	61
18	A molecular fluorophore in citric acid/ethylenediamine carbon dots identified and quantified by multinuclear solid-state nuclear magnetic resonance. Magnetic Resonance in Chemistry, 2020, 58, 1130-1138.	1.1	34

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19	Nickel enrichment of next-generation NMC nanomaterials alters material stability, causing unexpected dissolution behavior and observed toxicity to <i>S. oneidensis</i> MR-1 and <i>D. magna</i> . <i>Environmental Science: Nano</i> , 2020, 7, 571-587.	2.2	18
20	Microstructures and pharmaceutical properties of ferulic acid agglomerates prepared by different spherical crystallization methods. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118914.	2.6	25
21	Nanoscale battery cathode materials induce DNA damage in bacteria. <i>Chemical Science</i> , 2020, 11, 11244-11258.	3.7	8
22	Multiplex surface-enhanced Raman scattering detection of deoxynivalenol and ochratoxin A with a linear polymer affinity agent. <i>Materials Advances</i> , 2020, 1, 3256-3266.	2.6	10
23	Novel Quasi-Emulsion Solvent Diffusion-Based Spherical CocrySTALLIZATION Strategy for Simultaneously Improving the Manufacturability and Dissolution of Indomethacin. <i>Crystal Growth and Design</i> , 2020, 20, 6752-6762.	1.4	23
24	Antimalarial drugs impact chemical messenger secretion by blood platelets. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100758.	0.7	1
25	Influence of the Spatial Distribution of Cationic Functional Groups at Nanoparticle Surfaces on Bacterial Viability and Membrane Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 10814-10823.	6.6	45
26	Wall teichoic acids govern cationic gold nanoparticle interaction with Gram-positive bacterial cell walls. <i>Chemical Science</i> , 2020, 11, 4106-4118.	3.7	41
27	Photochemical Transformations of Carbon Dots in Aqueous Environments. <i>Environmental Science & Technology</i> , 2020, 54, 4160-4170.	4.6	24
28	Virtual Issue in Honor of Prof. Richard Van Duyne (1945–2019). <i>Analytical Chemistry</i> , 2020, 92, 4165-4166.	3.2	0
29	Cobalt Release from a Nanoscale Multiphase Lithiated Cobalt Phosphate Dominates Interaction with <i>Shewanella oneidensis</i> MR-1 and <i>Bacillus subtilis</i> SB491. <i>Chemical Research in Toxicology</i> , 2020, 33, 806-816.	1.7	9
30	Coating iron oxide nanoparticles with mesoporous silica reduces their interaction and impact on <i>S. oneidensis</i> MR-1. <i>Chemosphere</i> , 2019, 237, 124511.	4.2	9
31	Bacterial Toxicity of Germanium Nanocrystals Induced by Doping with Boron and Phosphorus. <i>ACS Applied Nano Materials</i> , 2019, 2, 4744-4755.	2.4	7
32	Facile benchtop reactor design using dendrimer-templating technology for the fabrication of polyethyleneimine-coated CuO nanoparticles on the gram scale. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 041402.	0.9	1
33	Optimizing linear polymer affinity agent properties for surface-enhanced Raman scattering detection of aflatoxin B1. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 1019-1031.	1.7	17
34	Richard P. Van Duyne, plasmonics pioneer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22891-22893.	3.3	1
35	Chronic exposure to complex metal oxide nanoparticles elicits rapid resistance in <i>Shewanella oneidensis</i> MR-1. <i>Chemical Science</i> , 2019, 10, 9768-9781.	3.7	22
36	Interactions between Silica-Coated Gold Nanorod Substrates and Hydrophobic Analytes in Colloidal Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24685-24697.	1.5	13

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37	Insight into the Effects of Plasmodium chabaudii Platelets Using Carbon-Fiber Microelectrode Amperometry. <i>ACS Infectious Diseases</i> , 2019, 5, 592-597.	1.8	2
38	Preparation of Colloidally Stable Positively Charged Hollow Silica Nanoparticles: Effect of Minimizing Hydrolysis on Zeta Potentials. <i>Langmuir</i> , 2019, 35, 7985-7994.	1.6	11
39	Understanding Nanoparticle Toxicity Mechanisms To Inform Redesign Strategies To Reduce Environmental Impact. <i>Accounts of Chemical Research</i> , 2019, 52, 1632-1642.	7.6	176
40	A Macroscale Model for Hands-On Activities Demonstrating Transmission Electron Microscopy. <i>Journal of Chemical Education</i> , 2019, 96, 1377-1382.	1.1	5
41	Molecular Surface Functionalization of Carbon Materials via Radical-Induced Grafting of Terminal Alkenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 8277-8288.	6.6	31
42	Synthesis, applications and potential photoluminescence mechanism of spectrally tunable carbon dots. <i>Nanoscale</i> , 2019, 11, 20411-20428.	2.8	96
43	Chitosan-Coated Mesoporous Silica Nanoparticle Treatment of <i>Citrullus lanatus</i> (Watermelon): Enhanced Fungal Disease Suppression and Modulated Expression of Stress-Related Genes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19649-19659.	3.2	80
44	Stabilization of Silver and Gold Nanoparticles: Preservation and Improvement of Plasmonic Functionalities. <i>Chemical Reviews</i> , 2019, 119, 664-699.	23.0	380
45	Expanding the Educational Toolset for Chemistry Outreach: Providing a Chemical View of Climate Change through Hands-On Activities and Demonstrations Supplemented with TED-Ed Videos. <i>Journal of Chemical Education</i> , 2018, 95, 985-990.	1.1	16
46	HDL-AuNPs-BMS Nanoparticle Conjugates as Molecularly Targeted Therapy for Leukemia. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14454-14462.	4.0	12
47	Virtual Issue Highlighting Selected Women Analytical Chemists. <i>Analytical Chemistry</i> , 2018, 90, 1433-1433.	3.2	0
48	Using an environmentally-relevant panel of Gram-negative bacteria to assess the toxicity of polyallylamine hydrochloride-wrapped gold nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 279-288.	2.2	32
49	Influence of Nanoparticle Morphology on Ion Release and Biological Impact of Nickel Manganese Cobalt Oxide (NMC) Complex Oxide Nanomaterials. <i>ACS Applied Nano Materials</i> , 2018, 1, 1721-1730.	2.4	25
50	Structure-Property Relationships of Amine-rich and Membrane-Disruptive Poly(oxonorborene)-Coated Gold Nanoparticles. <i>Langmuir</i> , 2018, 34, 4614-4625.	1.6	13
51	Optically Detected Magnetic Resonance for Selective Imaging of Diamond Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 769-776.	3.2	14
52	Establishing the overlap of IONP quantification with echo and echoless MR relaxation mapping. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1420-1428.	1.9	10
53	Linking nanomaterial properties to biological outcomes: analytical chemistry challenges in nanotoxicology for the next decade. <i>Chemical Communications</i> , 2018, 54, 12787-12803.	2.2	33
54	Effect of Silica Supports on Plasmonic Heating of Molecular Adsorbates as Measured by Ultrafast Surface-Enhanced Raman Thermometry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40577-40584.	4.0	10

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55	Copper Based Nanomaterials Suppress Root Fungal Disease in Watermelon (<i>Citrullus lanatus</i>): Role of Particle Morphology, Composition and Dissolution Behavior. ACS Sustainable Chemistry and Engineering, 2018, 6, 14847-14856.	3.2	133
56	Lipid Corona Formation from Nanoparticle Interactions with Bilayers. Chem, 2018, 4, 2709-2723.	5.8	46
57	Isothermal Titration Calorimetry for the Screening of Aflatoxin B1 Surface-Enhanced Raman Scattering Sensor Affinity Agents. Analytical Chemistry, 2018, 90, 13409-13418.	3.2	18
58	Quaternary Amine-Terminated Quantum Dots Induce Structural Changes to Supported Lipid Bilayers. Langmuir, 2018, 34, 12369-12378.	1.6	18
59	Release, detection and toxicity of fragments generated during artificial accelerated weathering of CdSe/ZnS and CdSe quantum dot polymer composites. Environmental Science: Nano, 2018, 5, 1694-1710.	2.2	19
60	Comparative toxicity assessment of novel Si quantum dots and their traditional Cd-based counterparts using bacteria models <i>Shewanella oneidensis</i> and <i>Bacillus subtilis</i>. Environmental Science: Nano, 2018, 5, 1890-1901.	2.2	37
61	Size dependent oxidative stress response of the gut of Daphnia magna to functionalized nanodiamond particles. Environmental Research, 2018, 167, 267-275.	3.7	23
62	Adverse Interactions of Luminescent Semiconductor Quantum Dots with Liposomes and <i>Shewanella oneidensis</i>. ACS Applied Nano Materials, 2018, 1, 4788-4800.	2.4	20
63	Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. ACS Applied Materials & Interfaces, 2018, 10, 31825-31844.	4.0	85
64	Toxicity Evaluation of Boron- and Phosphorus-Doped Silicon Nanocrystals toward Shewanella oneidensis MR-1. ACS Applied Nano Materials, 2018, 1, 4884-4893.	2.4	14
65	Investigation of phosphorous doping effects on polymeric carbon dots: Fluorescence, photostability, and environmental impact. Carbon, 2018, 129, 438-449.	5.4	115
66	Malic Acid Carbon Dots: From Super-resolution Live-Cell Imaging to Highly Efficient Separation. ACS Nano, 2018, 12, 5741-5752.	7.3	135
67	A finite-element model of granular serotonin exocytosis. Integrative Biology (United Kingdom), 2017, 9, 248-256.	0.6	4
68	Growth-Based Bacterial Viability Assay for Interference-Free and High-Throughput Toxicity Screening of Nanomaterials. Analytical Chemistry, 2017, 89, 2057-2064.	3.2	45
69	A versatile microfluidic platform for the study of cellular interactions between endothelial cells and neutrophils. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1122-1130.	1.1	25
70	Improved tissue cryopreservation using inductive heating of magnetic nanoparticles. Science Translational Medicine, 2017, 9, .	5.8	213
71	Influence of nickel manganese cobalt oxide nanoparticle composition on toxicity toward Shewanella oneidensis MR-1: redesigning for reduced biological impact. Environmental Science: Nano, 2017, 4, 636-646.	2.2	27
72	Stereochemistry- and concentration-dependent effects of phosphatidylserine enrichment on platelet function. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1381-1387.	1.4	1

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73	Oxygen Sensing with Perfluorocarbon-Loaded Ultraporous Mesostructured Silica Nanoparticles. ACS Nano, 2017, 11, 5623-5632.	7.3	40
74	Carbon Dots: A Modular Activity To Teach Fluorescence and Nanotechnology at Multiple Levels. Journal of Chemical Education, 2017, 94, 1143-1149.	1.1	28
75	Quantification of Free Polyelectrolytes Present in Colloidal Suspension, Revealing a Source of Toxic Responses for Polyelectrolyte-Wrapped Gold Nanoparticles. Analytical Chemistry, 2017, 89, 1823-1830.	3.2	29
76	Are Women Scientists Getting the Credit They Deserve?. Analytical Chemistry, 2017, 89, 7817-7817.	3.2	1
77	Checkpoints for preliminary identification of small molecules found enriched in autophagosomes and activated mast cell secretions analyzed by comparative UPLC/MSe. Analytical Methods, 2017, 9, 46-54.	1.3	1
78	A mechanistic study of TiO ₂ nanoparticle toxicity on <i>Shewanella oneidensis</i> MR-1 with UV-containing simulated solar irradiation: Bacterial growth, riboflavin secretion, and gene expression. Chemosphere, 2017, 168, 1158-1168.	4.2	14
79	Quantification and biodistribution of iron oxide nanoparticles in the primary clearance organs of mice using T ₁ contrast for heating. Magnetic Resonance in Medicine, 2017, 78, 702-712.	1.9	34
80	In solution SERS sensing using mesoporous silica-coated gold nanorods. Analyst, The, 2016, 141, 5088-5095.	1.7	49
81	SERS Detection of Ricin B-Chain via N-Acetyl-Galactosamine Glycopolymers. ACS Sensors, 2016, 1, 842-846.	4.0	32
82	Neuropeptide-Induced Mast Cell Degranulation and Characterization of Signaling Modulation in Response to IgE Conditioning. ACS Chemical Biology, 2016, 11, 3077-3083.	1.6	25
83	Ion-Mobility-Based Quantification of Surface-Coating-Dependent Binding of Serum Albumin to Superparamagnetic Iron Oxide Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 24482-24490.	4.0	15
84	Quantifying intra- and extracellular aggregation of iron oxide nanoparticles and its influence on specific absorption rate. Nanoscale, 2016, 8, 16053-16064.	2.8	58
85	Research highlights: unveiling the mechanisms underlying nanoparticle-induced ROS generation and oxidative stress. Environmental Science: Nano, 2016, 3, 940-945.	2.2	15
86	Research highlights: speciation and transformations of silver released from Ag NPs in three species. Environmental Science: Nano, 2016, 3, 1236-1240.	2.2	9
87	Surface-Enhanced Raman Spectroscopy Detection of Ricin B Chain in Human Blood. Journal of Physical Chemistry C, 2016, 120, 20961-20969.	1.5	47
88	Impact of Nanoscale Lithium Nickel Manganese Cobalt Oxide (NMC) on the Bacterium <i>Shewanella oneidensis</i> MR-1. Chemistry of Materials, 2016, 28, 1092-1100.	3.2	70
89	Analytical Aspects of Nanotoxicology. Analytical Chemistry, 2016, 88, 451-479.	3.2	56
90	Predictable Heating and Positive MRI Contrast from a Mesoporous Silica-Coated Iron Oxide Nanoparticle. Molecular Pharmaceutics, 2016, 13, 2172-2183.	2.3	75

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91	Variations in Fusion Pore Formation in Cholesterol-Treated Platelets. <i>Biophysical Journal</i> , 2016, 110, 922-929.	0.2	10
92	Quantifying Gold Nanoparticle Concentration in a Dietary Supplement Using Smartphone Colorimetry and Google Applications. <i>Journal of Chemical Education</i> , 2016, 93, 318-321.	1.1	38
93	Biological Responses to Engineered Nanomaterials: Needs for the Next Decade. <i>ACS Central Science</i> , 2015, 1, 117-123.	5.3	121
94	Effects of Humic and Fulvic Acids on Silver Nanoparticle Stability, Dissolution, and Toxicity. <i>Environmental Science & Technology</i> , 2015, 49, 8078-8086.	4.6	211
95	Impacts of gold nanoparticle charge and ligand type on surface binding and toxicity to Gram-negative and Gram-positive bacteria. <i>Chemical Science</i> , 2015, 6, 5186-5196.	3.7	203
96	Lipopolysaccharide Density and Structure Govern the Extent and Distance of Nanoparticle Interaction with Actual and Model Bacterial Outer Membranes. <i>Environmental Science & Technology</i> , 2015, 49, 10642-10650.	4.6	103
97	Ultraporous Mesoporous Silica Nanoparticles. <i>Chemistry of Materials</i> , 2015, 27, 3193-3196.	3.2	52
98	Platelet membrane variations and their effects on α -granule secretion kinetics and aggregation spreading among different species. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1609-1618.	1.4	12
99	A Fresh Look at the Crystal Violet Lab with Handheld Camera Colorimetry. <i>Journal of Chemical Education</i> , 2015, 92, 1692-1695.	1.1	45
100	Dark Field Transmission Electron Microscopy as a Tool for Identifying Inorganic Nanoparticles in Biological Matrices. <i>Analytical Chemistry</i> , 2015, 87, 4356-4362.	3.2	40
101	Dynamic silver speciation as studied with fluoros-phase ion-selective electrodes: Effect of natural organic matter on the toxicity and speciation of silver. <i>Science of the Total Environment</i> , 2015, 537, 453-461.	3.9	42
102	Characterization of Magnetic Nanoparticles in Biological Matrices. <i>Analytical Chemistry</i> , 2015, 87, 11611-11619.	3.2	30
103	Single-cell analysis of mast cell degranulation induced by airway smooth muscle-secreted chemokines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1862-1868.	1.1	11
104	Analytical Characterization of the Role of Phospholipids in Platelet Adhesion and Secretion. <i>Analytical Chemistry</i> , 2015, 87, 413-421.	3.2	19
105	Accounting for biological aggregation in heating and imaging of magnetic nanoparticles. <i>Technology</i> , 2014, 02, 214-228.	1.4	102
106	â€œDeath and Axesâ€™: Unexpected Ca ²⁺ Entry Phenologs Predict New Anti-schistosomal Agents. <i>PLoS Pathogens</i> , 2014, 10, e1003942.	2.1	38
107	Microfluidic-SERS devices for one shot limit-of-detection. <i>Analyst, The</i> , 2014, 139, 3227-3234.	1.7	37
108	Facile method to stain the bacterial cell surface for super-resolution fluorescence microscopy. <i>Analyst, The</i> , 2014, 139, 3174-3178.	1.7	20

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109	Time- and Concentration-Dependent Effects of Exogenous Serotonin and Inflammatory Cytokines on Mast Cell Function. <i>ACS Chemical Biology</i> , 2014, 9, 503-509.	1.6	9
110	Rapid and Sensitive in Situ SERS Detection Using Dielectrophoresis. <i>Chemistry of Materials</i> , 2014, 26, 2445-2452.	3.2	42
111	Exploring inflammatory disease drug effects on neutrophil function. <i>Analyst, The</i> , 2014, 139, 4056-4063.	1.7	8
112	Enhancing Graduate Student Communication to General Audiences through Blogging about Nanotechnology and Sustainability. <i>Journal of Chemical Education</i> , 2014, 91, 1600-1605.	1.1	21
113	Activities for Middle School Students To Sleuth a Chemistry "Whodunit" and Investigate the Scientific Method. <i>Journal of Chemical Education</i> , 2014, 91, 410-413.	1.1	11
114	Characterization of silver ion dissolution from silver nanoparticles using fluoros-phase ion-selective electrodes and assessment of resultant toxicity to <i>Shewanella oneidensis</i> . <i>Chemical Science</i> , 2013, 4, 2564.	3.7	75
115	Isotope-dilution UPLC-MS/MS determination of cell-secreted bioactive lipids. <i>Analyst, The</i> , 2013, 138, 5697.	1.7	4
116	Toxicity of Engineered Nanoparticles in the Environment. <i>Analytical Chemistry</i> , 2013, 85, 3036-3049.	3.2	604
117	Toxicity of Nanoparticles to Brine Shrimp: An Introduction to Nanotoxicity and Interdisciplinary Science. <i>Journal of Chemical Education</i> , 2013, 90, 475-478.	1.1	38
118	Effects of Mesoporous Silica Coating and Postsynthetic Treatment on the Transverse Relaxivity of Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2013, 25, 1968-1978.	3.2	35
119	Impact of TiO ₂ Nanoparticles on Growth, Biofilm Formation, and Flavin Secretion in <i>Shewanella oneidensis</i> . <i>Analytical Chemistry</i> , 2013, 85, 5810-5818.	3.2	83
120	Self-Assembled Plasmonic Nanoring Cavity Arrays for SERS and LSPR Biosensing (<i>Adv. Mater.</i> 19/2013). <i>Advanced Materials</i> , 2013, 25, 2677-2677.	11.1	3
121	TiO ₂ nanoparticle-induced ROS correlates with modulated immune cell function. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	14
122	Neutrophil Chemotaxis within a Competing Gradient of Chemoattractants. <i>Analytical Chemistry</i> , 2012, 84, 6070-6078.	3.2	63
123	Carbon-Fiber Microelectrode Amperometry Reveals Sick-Cell-Induced Inflammation and Chronic Morphine Effects on Single Mast Cells. <i>ACS Chemical Biology</i> , 2012, 7, 543-551.	1.6	18
124	Plasmon-Enabled Study of Self-Assembled Alkanethiol Ordering on Roughened Ag Substrates. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3585-3593.	1.5	22
125	Critical Considerations in the Biomedical Use of Mesoporous Silica Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 364-374.	2.1	177
126	Investigation of noble metal nanoparticle-potential effects on single-cell exocytosis function in vitro with carbon-fiber microelectrode amperometry. <i>Analyst, The</i> , 2011, 136, 3478-3486.	1.7	30

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127	On-Chip Evaluation of Shear Stress Effect on Cytotoxicity of Mesoporous Silica Nanoparticles. <i>Analytical Chemistry</i> , 2011, 83, 8377-8382.	3.2	75
128	Quantal Regulation and Exocytosis of Platelet Dense-Body Granules. <i>Biophysical Journal</i> , 2011, 101, 2351-2359.	0.2	15
129	Electroanalytical Eavesdropping on Single Cell Communication. <i>Analytical Chemistry</i> , 2011, 83, 7242-7249.	3.2	30
130	Electrochemical Measurement of Endogenous Serotonin Release from Human Blood Platelets. <i>Analytical Chemistry</i> , 2011, 83, 2598-2604.	3.2	42
131	Aptamer-based surface-enhanced Raman scattering detection of ricin in liquid foods. <i>Chemical Science</i> , 2011, 2, 1579.	3.7	86
132	Ultrastable, Redispersible, Small, and Highly Organomodified Mesoporous Silica Nanotherapeutics. <i>Journal of the American Chemical Society</i> , 2011, 133, 20444-20457.	6.6	135
133	Recent progress in SERS biosensing. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11551.	1.3	598
134	Stability of small mesoporous silicananoparticles in biological media. <i>Chemical Communications</i> , 2011, 47, 532-534.	2.2	155
135	Cytotoxicity of Graphene Oxide and Graphene in Human Erythrocytes and Skin Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2607-2615.	4.0	1,206
136	Detection of a Foreign Protein in Milk Using Surface-Enhanced Raman Spectroscopy Coupled with Antibody-Modified Silver Dendrites. <i>Analytical Chemistry</i> , 2011, 83, 1510-1513.	3.2	83
137	The bench scientist's perspective on the unique considerations in nanoparticle regulation. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1389-1400.	0.8	6
138	Rapid detection of a foreign protein in milk using IMS-SERS. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1428-1434.	1.2	40
139	Dynamin-Related Protein-1 Controls Fusion Pore Dynamics During Platelet Granule Secretion and Thrombus Formation In Vivo. <i>Blood</i> , 2011, 118, 361-361.	0.6	1
140	Impacts of Mesoporous Silica Nanoparticle Size, Pore Ordering, and Pore Integrity on Hemolytic Activity. <i>Journal of the American Chemical Society</i> , 2010, 132, 4834-4842.	6.6	720
141	Assessment of functional changes in nanoparticle-exposed neuroendocrine cells with amperometry: exploring the generalizability of nanoparticle-vesicle matrix interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 677-688.	1.9	30
142	Surface-Enhanced Raman Scattering (SERS) Detection of a Bioactive Mediator. , 2010, , .		0
143	Functional Assessment of Metal Oxide Nanoparticle Toxicity in Immune Cells. <i>ACS Nano</i> , 2010, 4, 3363-3373.	7.3	155
144	Critical Role of Membrane Cholesterol in Exocytosis Revealed by Single Platelet Study. <i>ACS Chemical Biology</i> , 2010, 5, 819-828.	1.6	37

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145	Coffee Cup Atomic Force Microscopy. <i>Journal of Chemical Education</i> , 2010, 87, 306-307.	1.1	11
146	Partition layer-modified substrates for reversible surface-enhanced Raman scattering detection of polycyclic aromatic hydrocarbons. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 303-311.	1.9	89
147	Quantal Release of Serotonin from Platelets. <i>Analytical Chemistry</i> , 2009, 81, 2935-2943.	3.2	37
148	Amperometric assessment of functional changes in nanoparticle-exposed immune cells: varying Au nanoparticle exposure time and concentration. <i>Analyst</i> , 2009, 134, 2293.	1.7	32
149	Surface-enhanced Raman scattering detection and discrimination of polychlorinated biphenyls. <i>Vibrational Spectroscopy</i> , 2009, 50, 29-35.	1.2	90
150	The effects of co-culture of fibroblasts on mast cell exocytotic release characteristics as evaluated by carbon-fiber microelectrode amperometry. <i>Biophysical Chemistry</i> , 2008, 137, 63-69.	1.5	19
151	Quantitative and Real-Time Detection of Secretion of Chemical Messengers from Individual Platelets. <i>Biochemistry</i> , 2008, 47, 7020-7024.	1.2	28
152	Dynamic Measurement of Altered Chemical Messenger Secretion after Cellular Uptake of Nanoparticles Using Carbon-Fiber Microelectrode Amperometry. <i>Analytical Chemistry</i> , 2008, 80, 3431-3437.	3.2	36
153	Plasmonic Materials for Surface-Enhanced Sensing and Spectroscopy. <i>MRS Bulletin</i> , 2005, 30, 368-375.	1.7	616
154	Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 338 A-346 A.	3.2	995
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