Chaoqing Dong

List of Publications by Year
in descending order

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Version: 2024-02-01

61 papers	2,318 citations	331670 21 h-index	214800 47 g-index
63 all docs	63 docs citations	63 times ranked	3260 citing authors

#	Article	IF	Citations
1	Truly Fluorescent Excitationâ€Ðependent Carbon Dots and Their Applications in Multicolor Cellular Imaging and Multidimensional Sensing. Advanced Materials, 2015, 27, 7782-7787.	21.0	591
2	A Resonance Energy Transfer between Chemiluminescent Donors and Luminescent Quantum-Dots as Acceptors (CRET). Angewandte Chemie - International Edition, 2006, 45, 5140-5143.	13.8	224
3	Facile One-Pot Synthesis of Luminescent, Water-Soluble, and Biocompatible Glutathione-Coated CdTe Nanocrystals. Small, 2006, 2, 747-751.	10.0	204
4	Study of Fluorescence Quenching and Dialysis Process of CdTe Quantum Dots, Using Ensemble Techniques and Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 11069-11075.	2.6	166
5	Single Nonblinking CdTe Quantum Dots Synthesized in Aqueous Thiopropionic Acid. Angewandte Chemie - International Edition, 2006, 45, 7588-7591.	13.8	61
6	Single-Molecule Technology for Rapid Detection of DNA Hybridization Based on Resonance Light Scattering of Gold Nanoparticles. ChemBioChem, 2007, 8, 1126-1129.	2.6	55
7	Artificial Aquaporin That Restores Wound Healing of Impaired Cells. Journal of the American Chemical Society, 2020, 142, 15638-15643.	13.7	54
8	Sizes of water-soluble luminescent quantum dots measured by fluorescence correlation spectroscopy. Analytica Chimica Acta, 2005, 546, 46-51.	5.4	53
9	Non-blinking (Zn)CuInS/ZnS Quantum Dots Prepared by In Situ Interfacial Alloying Approach. Scientific Reports, 2015, 5, 15227.	3.3	52
10	Tempo-Spatially Resolved Scattering Correlation Spectroscopy under Dark-Field Illumination and Its Application to Investigate Dynamic Behaviors of Gold Nanoparticles in Live Cells. Journal of the American Chemical Society, 2014, 136, 2775-2785.	13.7	47
11	Studies on Interaction of CdTe Quantum Dots with Bovine Serum Albumin Using Fluorescence Correlation Spectroscopy. Journal of Fluorescence, 2009, 19, 151-157.	2.5	42
12	Sensitive Single Particle Method for Characterizing Rapid Rotational and Translational Diffusion and Aspect Ratio of Anisotropic Nanoparticles and Its Application in Immunoassays. Analytical Chemistry, 2013, 85, 9433-9438.	6.5	40
13	Hydrodynamic Size-Dependent Cellular Uptake of Aqueous QDs Probed by Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 12125-12132.	2.6	37
14	Coupling Fluorescence Correlation Spectroscopy with Microchip Electrophoresis to Determine the Effective Surface Charge of Water-Soluble Quantum Dots. Small, 2006, 2, 534-538.	10.0	36
15	Single particle technique for one-step homogeneous detection of cancer marker using gold nanoparticle probes. Analyst, The, 2011, 136, 4247.	3.5	36
16	Fluorescence and Scattering Light Cross Correlation Spectroscopy and Its Applications in Homogeneous Immunoassay. Analytical Chemistry, 2017, 89, 5230-5237.	6.5	31
17	Experimental Studies on Blinking Behavior of Single InP/ZnS Quantum Dots: Effects of Synthetic Conditions and UV Irradiation. Journal of Physical Chemistry C, 2012, 116, 3944-3950.	3.1	23
18	On-Line Investigation of Laser-Induced Aggregation and Photoactivation of CdTe Quantum Dots by Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 7918-7923.	3.1	22

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19	Measurements for molar extinction coefficients of aqueous quantum dots. Analyst, The, 2010, 135, 1395.	3.5	22
20	Analysis of the concentrations and size distributions of cell-free DNA in schizophrenia using fluorescence correlation spectroscopy. Translational Psychiatry, 2018, 8, 104.	4.8	22
21	Fluorescence correlation spectroscopy of gold nanoparticles, and its application to an aptamer-based homogeneous thrombin assay. Mikrochimica Acta, 2014, 181, 723-730.	5.0	21
22	Quantitative Determination of Telomerase Activity by Combining Fluorescence Correlation Spectroscopy with Telomerase Repeat Amplification Protocol. Analytical Chemistry, 2018, 90, 1006-1013.	6.5	21
23	A sensitive, universal and homogeneous method for determination of biomarkers in biofluids by resonance light scattering correlation spectroscopy (RLSCS). Talanta, 2013, 116, 501-507.	5.5	20
24	In Situ Monitoring of p53 Protein and MDM2 Protein Interaction in Single Living Cells Using Single-Molecule Fluorescence Spectroscopy. Analytical Chemistry, 2018, 90, 6144-6151.	6.5	20
25	Highly Sensitive Method for Assay of Drug-Induced Apoptosis Using Fluorescence Correlation Spectroscopy. Analytical Chemistry, 2012, 84, 7350-7358.	6.5	18
26	Characterization of Waterâ€soluble Luminescent Quantum Dots by Fluorescence Correlation Spectroscopy. Annals of the New York Academy of Sciences, 2008, 1130, 253-261.	3.8	15
27	Controllable Blinkingâ€toâ€Nonblinking Behavior of Aqueous CdTeS Alloyed Quantum Dots. Chemistry - A European Journal, 2014, 20, 1940-1946.	3.3	15
28	An aptamer-based single particle method for sensitive detection of thrombin using fluorescent quantum dots as labeling probes. Talanta, 2015, 144, 13-19.	5.5	15
29	Spatially Resolved Scattering Correlation Spectroscopy Using a Total Internal Reflection Configuration. Analytical Chemistry, 2012, 84, 3561-3567.	6.5	14
30	Size Distribution of Nanoparticles in Solution Characterized by Combining Resonance Light Scattering Correlation Spectroscopy with the Maximum Entropy Method. Analytical Chemistry, 2017, 89, 12609-12616.	6.5	14
31	Determination of Caspase-3 Activity and Its Inhibition Constant by Combination of Fluorescence Correlation Spectroscopy with a Microwell Chip. Analytical Chemistry, 2017, 89, 9788-9796.	6.5	14
32	A single particle method for direct determination of molar concentrations of gold nanoparticles, and its application to the determination of the activity of caspase 3 and drug-induced cell apoptosis. Mikrochimica Acta, 2016, 183, 2457-2465.	5.0	13
33	Suppressed blinking behavior of CdSe/CdS QDs by polymer coating. Nanoscale, 2016, 8, 5006-5014.	5.6	13
34	Coupling of fluorescence correlation spectroscopy with capillary and microchannel analytical systems and its applications. Electrophoresis, 2014, 35, 2267-2278.	2.4	12
35	A sensitive and microscale method for drug screening combining affinity probes and single molecule fluorescence correlation spectroscopy. Analyst, The, 2015, 140, 1207-1214.	3.5	12
36	In Situ Study of Interactions between Endogenous c-myc mRNA with CRDBP in a Single Living Cell by Combining Fluorescence Cross-Correlation Spectroscopy with Molecular Beacons. Analytical Chemistry, 2020, 92, 2988-2996.	6.5	12

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37	Study on homogeneous competitive immune reaction by fluorescence correlation spectroscopy: Using synthetic peptide as antigen. Talanta, 2009, 79, 971-974.	5.5	11
38	Waterâ€soluble mercaptoundecanoic acid (MUA)â€coated CdTe quantum dots: oneâ€step microwave synthesis, characterization and cancer cell imaging. Luminescence, 2012, 27, 199-203.	2.9	11
39	Homogeneous immunoassays by using photon burst counting technique of single gold nanoparticles. Talanta, 2015, 132, 698-704.	5.5	11
40	Size-dependent optical properties of conjugated polymer nanoparticles. RSC Advances, 2017, 7, 55957-55965.	3.6	11
41	Characterization of solution-phase DNA hybridization by fluorescence correlation spectroscopy: Rapid genotyping of C677T from methylenetetrahydrofolate reductase gene. Talanta, 2007, 71, 1192-1197.	5.5	10
42	Fluctuation correlation spectroscopy and its applications in homogeneous analysis. Analytical and Bioanalytical Chemistry, 2019, 411, 4523-4540.	3.7	10
43	Probing site-exclusive binding of aqueous QDs and their organelle-dependent dynamics in live cells by single molecule spectroscopy. Analyst, The, 2013, 138, 2871.	3.5	9
44	Assessing the Blinking State of Fluorescent Quantum Dots in Free Solution by Combining Fluorescence Correlation Spectroscopy with Ensemble Spectroscopic Methods. Langmuir, 2014, 30, 12969-12976.	3.5	9
45	Optical Trapping Effect and Its Calibration Method in Resonance Light Scattering Correlation Spectroscopy of Gold Nanoparticles in Solution. Journal of Physical Chemistry C, 2014, 118, 14495-14501.	3.1	8
46	Hostâ€“Guest Interaction of Chaperonin GroEL and Waterâ€Soluble CdTe Quantum Dots and its Sizeâ€Selective Inclusion. ChemPhysChem, 2008, 9, 2245-2251.	2.1	7
47	A study of the dynamics of PTEN proteins in living cells using in vivo fluorescence correlation spectroscopy. Methods and Applications in Fluorescence, 2017, 5, 024008.	2.3	7
48	In Situ Assay of Proteins Incorporated with Unnatural Amino Acids in Single Living Cells by Differenced Resonance Light Scattering Correlation Spectroscopy. Analytical Chemistry, 2021, 93, 9329-9336.	6.5	7
49	Brightness Analysis per Moving Particle: In Situ Analysis of Alkaline Phosphatase in Living Cells. Analytical Chemistry, 2022, 94, 5181-5189.	6.5	7
50	A sensitive assay of mercury using fluorescence correlation spectroscopy of gold nanoparticles. Luminescence, 2015, 30, 605-610.	2.9	6
51	Analyses of p73 Protein Oligomerization and p73â€“MDM2 Interaction in Single Living Cells Using In Situ Single Molecule Spectroscopy. Analytical Chemistry, 2021, 93, 886-894.	6.5	5
52	Simultaneously monitoring endogenous MAPK members in single living cells by multi-channel fluorescence correlation spectroscopy. Analyst, The, 2021, 146, 2581-2590.	3.5	5
53	Strategies to reduce detection volume of fluorescence correlation spectroscopy (FCS) to realize physiological concentration measurements. TrAC - Trends in Analytical Chemistry, 2017, 89, 181-189.	11.4	4
54	A study of the diffusion dynamics and concentration distribution of gold nanospheres (GNSs) without fluorescent labeling inside live cells using fluorescence single particle spectroscopy. Nanoscale, 2018, 10, 5309-5317.	5.6	4

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55	In situ study of RSK2 kinase activity in a single living cell by combining single molecule spectroscopy with activity-based probes. Analyst, The, 2019, 144, 3756-3764.	3.5	4
56	Chiral ligandâ€induced photoluminescence intermittence difference of CdTe quantum dots. Luminescence, 2018, 33, 1150-1156.	2.9	3
57	Studying Homo-oligomerization and Hetero-oligomerization of MDMX and MDM2 Proteins in Single Living Cells by Using In Situ Fluorescence Correlation Spectroscopy. Biochemistry, 2021, 60, 1498-1505.	2.5	3
58	Single-Particle Catalytic Analysis by a Photon Burst Counting Technique Combined with a Microfluidic Chip. Analytical Chemistry, 2021, 93, 9752-9759.	6.5	3
59	The Theoretical Model, Method, and Applications of Scattering Photon Burst Counting Based on an Objective Scanning Technique. Analytical Chemistry, 2021, 93, 12556-12564.	6.5	3
60	Controllable â€œClicked-to-Assembledâ€•Plasmonic Coreâ€“Satellite Nanostructures and Its Surface-Enhanced Fluorescence in Living Cells. ACS Omega, 2019, 4, 21161-21168.	3.5	2
61	Fluorescence cross-correlation spectroscopy using single wavelength laser. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 191-195.	0.4	0