

# Jicun Ren

## List of Publications by Citations

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91  
papers

2,524  
citations

27  
h-index

48  
g-index

95  
ext. papers

2,732  
ext. citations

6.1  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
91	Colloidal stability of gold nanoparticles modified with thiol compounds: bioconjugation and application in cancer cell imaging. <i>Langmuir</i> , <b>2012</b> , 28, 4464-71	4	232
90	Nonbleaching fluorescence of gold nanoparticles and its applications in cancer cell imaging. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5951-7	7.8	202
89	A resonance energy transfer between chemiluminescent donors and luminescent quantum-dots as acceptors (CRET). <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5140-3	16.4	195
88	Facile one-pot synthesis of luminescent, water-soluble, and biocompatible glutathione-coated CdTe nanocrystals. <i>Small</i> , <b>2006</b> , 2, 747-51	11	193
87	Nanomaterial-based chemiluminescence resonance energy transfer: A strategy to develop new analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 40, 77-89	14.6	84
86	Characterization of quantum dot bioconjugates by capillary electrophoresis with laser-induced fluorescent detection. <i>Journal of Chromatography A</i> , <b>2006</b> , 1113, 251-4	4.5	71
85	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 515-518	16.4	70
84	Multiamino-functionalized carbon nanotubes and their applications in loading quantum dots and magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 1852		70
83	Chemiluminescence detection for capillary electrophoresis and microchip capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 155-166	14.6	62
82	Single nonblinking CdTe quantum dots synthesized in aqueous thiopropionic acid. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7588-91	16.4	58
81	A sensitive and rapid immunoassay for quantification of CA125 in human sera by capillary electrophoresis with enhanced chemiluminescence detection. <i>Electrophoresis</i> , <b>2005</b> , 26, 2402-8	3.6	53
80	Sizes of water-soluble luminescent quantum dots measured by fluorescence correlation spectroscopy. <i>Analytica Chimica Acta</i> , <b>2005</b> , 546, 46-51	6.6	52
79	Single-molecule technology for rapid detection of DNA hybridization based on resonance light scattering of gold nanoparticles. <i>ChemBioChem</i> , <b>2007</b> , 8, 1126-9	3.8	49
78	Sensitive and universal indirect chemiluminescence detection for capillary electrophoresis of cations using cobalt(II) as a probe ion. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 2663-8	7.8	49
77	Fluorescence enhancement of cysteine-rich protein-templated gold nanoclusters using silver(I) ions and its sensing application for mercury(II). <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 267, 342-350	8.5	48
76	Ultraviolet sealing and poly(dimethylacrylamide) modification for poly(dimethylsiloxane)/glass microchips. <i>Electrophoresis</i> , <b>2004</b> , 25, 914-21	3.6	46
75	Non-blinking (Zn)CuInS/ZnS Quantum Dots Prepared by In Situ Interfacial Alloying Approach. <i>Scientific Reports</i> , <b>2015</b> , 5, 15227	4.9	45

74	On-line chemiluminescence detection for isoelectric focusing of heme proteins on microchips. <i>Electrophoresis</i> , <b>2005</b> , 26, 3595-601	3.6	45
73	Tempo-spatially resolved scattering correlation spectroscopy under dark-field illumination and its application to investigate dynamic behaviors of gold nanoparticles in live cells. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 2775-85	16.4	41
72	Blinking Behavior of CdSe/CdS Quantum Dots Controlled by Alkylthiols as Surface Trap Modifiers. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24592-24600	3.8	36
71	Aqueous synthesis of CdTe/CdS/ZnS quantum dots and their optical and chemical properties. <i>Luminescence</i> , <b>2011</b> , 26, 439-48	2.5	36
70	Sensitive single particle method for characterizing rapid rotational and translational diffusion and aspect ratio of anisotropic nanoparticles and its application in immunoassays. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9433-8	7.8	35
69	Single particle technique for one-step homogeneous detection of cancer marker using gold nanoparticle probes. <i>Analyst, The</i> , <b>2011</b> , 136, 4247-53	5	32
68	Gas-liquid phase synthesis of highly luminescent InP/ZnS core/shell quantum dots using zinc phosphide as a new phosphorus source. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1794-1799		31
67	Coupling fluorescence correlation spectroscopy with microchip electrophoresis to determine the effective surface charge of water-soluble quantum dots. <i>Small</i> , <b>2006</b> , 2, 534-8	11	31
66	A novel evanescent wave scattering imaging method for single gold particle tracking in solution and on cell membrane. <i>Talanta</i> , <b>2008</b> , 77, 166-71	6.2	28
65	Catalytic Chemiluminescence Polymer Dots for Ultrasensitive In Vivo Imaging of Intrinsic Reactive Oxygen Species in Mice. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6929-6935	7.8	27
64	Studies on bioconjugation of quantum dots using capillary electrophoresis and fluorescence correlation spectroscopy. <i>Electrophoresis</i> , <b>2012</b> , 33, 1987-95	3.6	26
63	Coupling chemiluminescence with capillary electrophoresis to analyze single human red blood cells. <i>Analytica Chimica Acta</i> , <b>2007</b> , 583, 217-22	6.6	25
62	Fluorescence and Scattering Light Cross Correlation Spectroscopy and Its Applications in Homogeneous Immunoassay. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5230-5237	7.8	24
61	Uracil in human DNA from subjects with normal and impaired folate status as determined by high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 295-9	7.8	24
60	Recent advances in chemiluminescence detection coupled with capillary electrophoresis and microchip capillary electrophoresis. <i>Electrophoresis</i> , <b>2016</b> , 37, 2-18	3.6	24
59	Fluorescence correlation spectroscopy of gold nanoparticles, and its application to an aptamer-based homogeneous thrombin assay. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 723-730	5.8	21
58	Experimental Studies on Blinking Behavior of Single InP/ZnS Quantum Dots: Effects of Synthetic Conditions and UV Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3944-3950	3.8	20
57	Measurements for molar extinction coefficients of aqueous quantum dots. <i>Analyst, The</i> , <b>2010</b> , 135, 1395-9		20

56	Single Nonblinking CdTe Quantum Dots Synthesized in Aqueous Thiopropionic Acid. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 7750-7753	3.6	20
55	Tuning Blinking Behavior of Highly Luminescent Cesium Lead Halide Nanocrystals through Varying Halide Composition. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13314-13323	3.8	19
54	A sensitive, universal and homogeneous method for determination of biomarkers in biofluids by resonance light scattering correlation spectroscopy (RLSCS). <i>Talanta</i> , <b>2013</b> , 116, 501-7	6.2	19
53	Quantitative Determination of Telomerase Activity by Combining Fluorescence Correlation Spectroscopy with Telomerase Repeat Amplification Protocol. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1006-1013	7.8	18
52	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 530-533	3.6	17
51	Sandwich immunoassay for alpha-fetoprotein in human sera using gold nanoparticle and magnetic bead labels along with resonance Rayleigh scattering readout. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 635-642	5.8	16
50	Highly sensitive method for assay of drug-induced apoptosis using fluorescence correlation spectroscopy. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7350-8	7.8	15
49	In Situ Monitoring of p53 Protein and MDM2 Protein Interaction in Single Living Cells Using Single-Molecule Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6144-6151	7.8	14
48	Assay of Single-Cell Apoptosis by Ensemble and Single-Molecule Fluorescence Methods: Annexin-V/Polyethylene Glycol-Functionalized Quantum Dots as Probes. <i>Langmuir</i> , <b>2018</b> , 34, 10040-10047	4.7	13
47	Determination of Caspase-3 Activity and Its Inhibition Constant by Combination of Fluorescence Correlation Spectroscopy with a Microwell Chip. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9788-9796	7.8	13
46	An aptamer-based single particle method for sensitive detection of thrombin using fluorescent quantum dots as labeling probes. <i>Talanta</i> , <b>2015</b> , 144, 13-9	6.2	13
45	Controllable blinking-to-nonblinking behavior of aqueous CdTeS Alloyed quantum dots. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 1940-6	4.8	13
44	Spatially resolved scattering correlation spectroscopy using a total internal reflection configuration. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3561-7	7.8	13
43	Size Distribution of Nanoparticles in Solution Characterized by Combining Resonance Light Scattering Correlation Spectroscopy with the Maximum Entropy Method. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12609-12616	7.8	12
42	Homogeneous immunoassay for the cancer marker alpha-fetoprotein using single wavelength excitation fluorescence cross-correlation spectroscopy and CdSe/ZnS quantum dots and fluorescent dyes as labels. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 749-755	5.8	12
41	Simple and Sensitive Method for Determination of Protein Kinase Activity Based on Surface Charge Change of Peptide-Modified Gold Nanoparticles As Substrates. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3871-3877	7.8	11
40	A sensitive and microscale method for drug screening combining affinity probes and single molecule fluorescence correlation spectroscopy. <i>Analyst, The</i> , <b>2015</b> , 140, 1207-14	5	10
39	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. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2457-2465	5.8	10

38	Suppressed blinking behavior of CdSe/CdS QDs by polymer coating. <i>Nanoscale</i> , <b>2016</b> , 8, 5006-14	7.7	10
37	Size exclusion chromatography as a universal method for the purification of quantum dots bioconjugates. <i>Electrophoresis</i> , <b>2013</b> , 34, 1764-71	3.6	10
36	Characterization of solution-phase DNA hybridization by fluorescence correlation spectroscopy: Rapid genotyping of C677T from methylenetetrahydrofolate reductase gene. <i>Talanta</i> , <b>2007</b> , 71, 1192-7	6.2	10
35	Polystyrene-blemin Dots for Chemiluminescence Imaging. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3761-3768	3.6	9
34	Homogeneous immunoassays by using photon burst counting technique of single gold nanoparticles. <i>Talanta</i> , <b>2015</b> , 132, 698-704	6.2	9
33	Sensitive and homogenous immunoassay of fumonisin in foods using single molecule fluorescence correlation spectroscopy. <i>Analytical Methods</i> , <b>2016</b> , 8, 1333-1338	3.2	9
32	Assessing the blinking state of fluorescent quantum dots in free solution by combining fluorescence correlation spectroscopy with ensemble spectroscopic methods. <i>Langmuir</i> , <b>2014</b> , 30, 12969-76	4.7	8
31	Quantum dots trigger hot-start effects for pfu-based polymerase chain reaction. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 1051-1063	1.9	8
30	In Situ Study of Interactions between Endogenous c- mRNA with CRDBP in a Single Living Cell by Combining Fluorescence Cross-Correlation Spectroscopy with Molecular Beacons. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2988-2996	7.8	7
29	Optical Trapping Effect and Its Calibration Method in Resonance Light Scattering Correlation Spectroscopy of Gold Nanoparticles in Solution. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14495-14501	3.8	7
28	Synthesis, characterization, and drug-release behavior of amphiphilic quaternary ammonium chitosan derivatives. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	7
27	Capillary Electrophoresis of Polyamines with Universal Indirect Chemiluminescence Detection, Using Cobalt (II) as a Probe Ion. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2003</b> , 26, 355-367	1.3	7
26	Singlet Oxygen Generation in Ferriporphyrin-Polymer Dots Catalyzed Chemiluminescence System for Cancer Therapy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 5020-5029	4.1	7
25	Fluctuation correlation spectroscopy and its applications in homogeneous analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4523-4540	4.4	6
24	In Situ Study of the Drug-Target Protein Interaction in Single Living Cells by Combining Fluorescence Correlation Spectroscopy with Affinity Probes. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7020-7027	7.8	6
23	A sensitive assay of mercury using fluorescence correlation spectroscopy of gold nanoparticles. <i>Luminescence</i> , <b>2015</b> , 30, 605-10	2.5	5
22	A study of the dynamics of PTEN proteins in living cells using in vivo fluorescence correlation spectroscopy. <i>Methods and Applications in Fluorescence</i> , <b>2017</b> , 5, 024008	3.1	4
21	Strategies to reduce detection volume of fluorescence correlation spectroscopy (FCS) to realize physiological concentration measurements. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 89, 181-189	14.6	3

20	In situ study of RSK2 kinase activity in a single living cell by combining single molecule spectroscopy with activity-based probes. <i>Analyst, The</i> , <b>2019</b> , 144, 3756-3764	5	3
19	Chiral ligand-induced photoluminescence intermittence difference of CdTe quantum dots. <i>Luminescence</i> , <b>2018</b> , 33, 1150-1156	2.5	3
18	Synthesis, characterization, and drug delivery property of 2-N-carboxymethyl-6-O-diethylaminoethyl-chitosan. <i>E-Polymers</i> , <b>2013</b> , 13,	2.7	3
17	Selective analysis of newly synthesized proteins by combining fluorescence correlation spectroscopy with bioorthogonal non-canonical amino acid tagging. <i>Analyst, The</i> , <b>2021</b> , 146, 478-486	5	3
16	A study of the diffusion dynamics and concentration distribution of gold nanospheres (GNSs) without fluorescent labeling inside live cells using fluorescence single particle spectroscopy. <i>Nanoscale</i> , <b>2018</b> , 10, 5309-5317	7.7	2
15	In Situ Assay of Proteins Incorporated with Unnatural Amino Acids in Single Living Cells by Differenced Resonance Light Scattering Correlation Spectroscopy. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9329-9336	7.8	2
14	Studies on the formation and stability of triplex DNA using fluorescence correlation spectroscopy. <i>Luminescence</i> , <b>2016</b> , 31, 830-6	2.5	2
13	Highly sensitive detection of DNA methyltransferase activity and its inhibitor screening by coupling fluorescence correlation spectroscopy with polystyrene polymer dots. <i>Analyst, The</i> , <b>2021</b> , 146, 3623-3632	5	2
12	Multicolor Chemiluminescent Resonance Energy-Transfer System for High-Contrast and Targeted Imaging. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3042-3051	7.8	2
11	Effects of polyols, pH and electrolyte concentrations in TBE buffer on separation of double strand DNA fragments by capillary electrophoresis. <i>Analytical Sciences</i> , <b>2002</b> , 18, 469-71	1.7	1
10	Studying Homo-oligomerization and Hetero-oligomerization of MDMX and MDM2 Proteins in Single Living Cells by Using In Situ Fluorescence Correlation Spectroscopy. <i>Biochemistry</i> , <b>2021</b> , 60, 1498-1505	7.2	1
9	Controllable "Clicked-to-Assembled" Plasmonic Core-Satellite Nanostructures and Its Surface-Enhanced Fluorescence in Living Cells. <i>ACS Omega</i> , <b>2019</b> , 4, 21161-21168	3.9	1
8	Analyses of p73 Protein Oligomerization and p73-MDM2 Interaction in Single Living Cells Using In Situ Single Molecule Spectroscopy. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 886-894	7.8	1
7	Analysis of protein phosphorylation in solution and in cells by using an ATP analogue in combination with fluorescence techniques. <i>Analyst, The</i> , <b>2021</b> , 146, 4506-4514	5	1
6	Simultaneously monitoring endogenous MAPK members in single living cells by multi-channel fluorescence correlation spectroscopy. <i>Analyst, The</i> , <b>2021</b> , 146, 2581-2590	5	1
5	The Theoretical Model, Method, and Applications of Scattering Photon Burst Counting Based on an Objective Scanning Technique. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12556-12564	7.8	1
4	Single-Particle Catalytic Analysis by a Photon Burst Counting Technique Combined with a Microfluidic Chip. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9752-9759	7.8	0
3	Study of the efficiency of chemiluminescence resonance energy transfer system based on hemin/G-quadruplex DNAzyme catalysis by chemiluminescence imaging.. <i>Talanta</i> , <b>2022</b> , 245, 123447	6.2	0

2 Fluorescence cross-correlation spectroscopy using single wavelength laser. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2009**, 4, 191-195

1 In situ determination of secretory kinase Fam20C from living cells using fluorescence correlation spectroscopy. *Talanta*, **2021**, 232, 122473

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