

Jicun Ren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Study of the efficiency of chemiluminescence resonance energy transfer system based on hemin/G-quadruplex DNAzyme catalysis by chemiluminescence imaging.. <i>Talanta</i> , 2022 , 245, 123447	6.2	0
90	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> , 2021 , 60, 1498-1505	7.8	1
89	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> , 2021 , 93, 9329-9336	7.8	2
88	Single-Particle Catalytic Analysis by a Photon Burst Counting Technique Combined with a Microfluidic Chip. <i>Analytical Chemistry</i> , 2021 , 93, 9752-9759	7.8	0
87	Selective analysis of newly synthesized proteins by combining fluorescence correlation spectroscopy with bioorthogonal non-canonical amino acid tagging. <i>Analyst, The</i> , 2021 , 146, 478-486	5	3
86	Analyses of p73 Protein Oligomerization and p73-MDM2 Interaction in Single Living Cells Using In Situ Single Molecule Spectroscopy. <i>Analytical Chemistry</i> , 2021 , 93, 886-894	7.8	1
85	Analysis of protein phosphorylation in solution and in cells by using an ATP analogue in combination with fluorescence techniques. <i>Analyst, The</i> , 2021 , 146, 4506-4514	5	1
84	Simultaneously monitoring endogenous MAPK members in single living cells by multi-channel fluorescence correlation spectroscopy. <i>Analyst, The</i> , 2021 , 146, 2581-2590	5	1
83	Highly sensitive detection of DNA methyltransferase activity and its inhibitor screening by coupling fluorescence correlation spectroscopy with polystyrene polymer dots. <i>Analyst, The</i> , 2021 , 146, 3623-3632	5	2
82	Multicolor Chemiluminescent Resonance Energy-Transfer System for High-Contrast and Targeted Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 3042-3051	7.8	2
81	The Theoretical Model, Method, and Applications of Scattering Photon Burst Counting Based on an Objective Scanning Technique. <i>Analytical Chemistry</i> , 2021 , 93, 12556-12564	7.8	1
80	In situ determination of secretory kinase Fam20C from living cells using fluorescence correlation spectroscopy. <i>Talanta</i> , 2021 , 232, 122473	6.2	
79	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> , 2020 , 92, 2988-2996	7.8	7
78	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> , 2020 , 92, 7020-7027	7.8	6
77	Singlet Oxygen Generation in Ferriporphyrin-Polymer Dots Catalyzed Chemiluminescence System for Cancer Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5020-5029	4.1	7
76	Polystyrene-Hemin Dots for Chemiluminescence Imaging. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3761-3768	5.6	9
75	Fluctuation correlation spectroscopy and its applications in homogeneous analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4523-4540	4.4	6

74	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> , 2019 , 144, 3756-3764	5	3
73	Controllable "Clicked-to-Assembled" Plasmonic Core-Satellite Nanostructures and Its Surface-Enhanced Fluorescence in Living Cells. <i>ACS Omega</i> , 2019 , 4, 21161-21168	3.9	1
72	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> , 2018 , 90, 3871-3877	7.8	11
71	In Situ Monitoring of p53 Protein and MDM2 Protein Interaction in Single Living Cells Using Single-Molecule Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2018 , 90, 6144-6151	7.8	14
70	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> , 2018 , 267, 342-350	8.5	48
69	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> , 2018 , 10, 5309-5317	7.7	2
68	Assay of Single-Cell Apoptosis by Ensemble and Single-Molecule Fluorescence Methods: Annexin-V/Polyethylene Glycol-Functionalized Quantum Dots as Probes. <i>Langmuir</i> , 2018 , 34, 10040-10047	4.7	13
67	Chiral ligand-induced photoluminescence intermittence difference of CdTe quantum dots. <i>Luminescence</i> , 2018 , 33, 1150-1156	2.5	3
66	Catalytic Chemiluminescence Polymer Dots for Ultrasensitive In Vivo Imaging of Intrinsic Reactive Oxygen Species in Mice. <i>Analytical Chemistry</i> , 2018 , 90, 6929-6935	7.8	27
65	Quantitative Determination of Telomerase Activity by Combining Fluorescence Correlation Spectroscopy with Telomerase Repeat Amplification Protocol. <i>Analytical Chemistry</i> , 2018 , 90, 1006-1013	7.8	18
64	Strategies to reduce detection volume of fluorescence correlation spectroscopy (FCS) to realize physiological concentration measurements. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 89, 181-189	14.6	3
63	Tuning Blinking Behavior of Highly Luminescent Cesium Lead Halide Nanocrystals through Varying Halide Composition. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13314-13323	3.8	19
62	Fluorescence and Scattering Light Cross Correlation Spectroscopy and Its Applications in Homogeneous Immunoassay. <i>Analytical Chemistry</i> , 2017 , 89, 5230-5237	7.8	24
61	A study of the dynamics of PTEN proteins in living cells using in vivo fluorescence correlation spectroscopy. <i>Methods and Applications in Fluorescence</i> , 2017 , 5, 024008	3.1	4
60	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie</i> , 2017 , 129, 530-533	3.6	17
59	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 515-518	16.4	70
58	Size Distribution of Nanoparticles in Solution Characterized by Combining Resonance Light Scattering Correlation Spectroscopy with the Maximum Entropy Method. <i>Analytical Chemistry</i> , 2017 , 89, 12609-12616	7.8	12
57	Determination of Caspase-3 Activity and Its Inhibition Constant by Combination of Fluorescence Correlation Spectroscopy with a Microwell Chip. <i>Analytical Chemistry</i> , 2017 , 89, 9788-9796	7.8	13

56	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> , 2016 , 183, 749-755	5.8	12
55	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> , 2016 , 183, 2457-2465	5.8	10
54	Suppressed blinking behavior of CdSe/CdS QDs by polymer coating. <i>Nanoscale</i> , 2016 , 8, 5006-14	7.7	10
53	Sensitive and homogenous immunoassay of fumonisin in foods using single molecule fluorescence correlation spectroscopy. <i>Analytical Methods</i> , 2016 , 8, 1333-1338	3.2	9
52	Studies on the formation and stability of triplex DNA using fluorescence correlation spectroscopy. <i>Luminescence</i> , 2016 , 31, 830-6	2.5	2
51	Recent advances in chemiluminescence detection coupled with capillary electrophoresis and microchip capillary electrophoresis. <i>Electrophoresis</i> , 2016 , 37, 2-18	3.6	24
50	A sensitive and microscale method for drug screening combining affinity probes and single molecule fluorescence correlation spectroscopy. <i>Analyst, The</i> , 2015 , 140, 1207-14	5	10
49	A sensitive assay of mercury using fluorescence correlation spectroscopy of gold nanoparticles. <i>Luminescence</i> , 2015 , 30, 605-10	2.5	5
48	Homogeneous immunoassays by using photon burst counting technique of single gold nanoparticles. <i>Talanta</i> , 2015 , 132, 698-704	6.2	9
47	Non-blinking (Zn)CuInS/ZnS Quantum Dots Prepared by In Situ Interfacial Alloying Approach. <i>Scientific Reports</i> , 2015 , 5, 15227	4.9	45
46	An aptamer-based single particle method for sensitive detection of thrombin using fluorescent quantum dots as labeling probes. <i>Talanta</i> , 2015 , 144, 13-9	6.2	13
45	Assessing the blinking state of fluorescent quantum dots in free solution by combining fluorescence correlation spectroscopy with ensemble spectroscopic methods. <i>Langmuir</i> , 2014 , 30, 12969-76	4.76	8
44	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> , 2014 , 136, 2775-85	16.4	41
43	Quantum dots trigger hot-start effects for pfu-based polymerase chain reaction. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 1051-1063	1.9	8
42	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> , 2014 , 118, 14495-14501	3.8	7
41	Synthesis, characterization, and drug-release behavior of amphiphilic quaternary ammonium chitosan derivatives. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	7
40	Fluorescence correlation spectroscopy of gold nanoparticles, and its application to an aptamer-based homogeneous thrombin assay. <i>Mikrochimica Acta</i> , 2014 , 181, 723-730	5.8	21
39	Controllable blinking-to-nonblinking behavior of aqueous CdTeS Alloyed quantum dots. <i>Chemistry - A European Journal</i> , 2014 , 20, 1940-6	4.8	13

38	A sensitive, universal and homogeneous method for determination of biomarkers in biofluids by resonance light scattering correlation spectroscopy (RLSCS). <i>Talanta</i> , 2013 , 116, 501-7	6.2	19
37	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> , 2013 , 180, 635-642	5.8	16
36	Blinking Behavior of CdSe/CdS Quantum Dots Controlled by Alkylthiols as Surface Trap Modifiers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24592-24600	3.8	36
35	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> , 2013 , 85, 9433-8	7.8	35
34	Size exclusion chromatography as a universal method for the purification of quantum dots bioconjugates. <i>Electrophoresis</i> , 2013 , 34, 1764-71	3.6	10
33	Synthesis, characterization, and drug delivery property of 2-N-carboxymethyl-6-O-diethylaminoethyl-chitosan. <i>E-Polymers</i> , 2013 , 13,	2.7	3
32	Nanomaterial-based chemiluminescence resonance energy transfer: A strategy to develop new analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 40, 77-89	14.6	84
31	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> , 2012 , 22, 1794-1799		31
30	Colloidal stability of gold nanoparticles modified with thiol compounds: bioconjugation and application in cancer cell imaging. <i>Langmuir</i> , 2012 , 28, 4464-71	4	232
29	Highly sensitive method for assay of drug-induced apoptosis using fluorescence correlation spectroscopy. <i>Analytical Chemistry</i> , 2012 , 84, 7350-8	7.8	15
28	Spatially resolved scattering correlation spectroscopy using a total internal reflection configuration. <i>Analytical Chemistry</i> , 2012 , 84, 3561-7	7.8	13
27	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> , 2012 , 116, 3944-3950	3.8	20
26	Studies on bioconjugation of quantum dots using capillary electrophoresis and fluorescence correlation spectroscopy. <i>Electrophoresis</i> , 2012 , 33, 1987-95	3.6	26
25	Single particle technique for one-step homogeneous detection of cancer marker using gold nanoparticle probes. <i>Analyst, The</i> , 2011 , 136, 4247-53	5	32
24	Aqueous synthesis of CdTe/CdS/ZnS quantum dots and their optical and chemical properties. <i>Luminescence</i> , 2011 , 26, 439-48	2.5	36
23	Measurements for molar extinction coefficients of aqueous quantum dots. <i>Analyst, The</i> , 2010 , 135, 1395-9		20
22	Fluorescence cross-correlation spectroscopy using single wavelength laser. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 191-195		
21	Nonbleaching fluorescence of gold nanoparticles and its applications in cancer cell imaging. <i>Analytical Chemistry</i> , 2008 , 80, 5951-7	7.8	202

20	A novel evanescent wave scattering imaging method for single gold particle tracking in solution and on cell membrane. <i>Talanta</i> , 2008 , 77, 166-71	6.2	28
19	Single-molecule technology for rapid detection of DNA hybridization based on resonance light scattering of gold nanoparticles. <i>ChemBioChem</i> , 2007 , 8, 1126-9	3.8	49
18	Coupling chemiluminescence with capillary electrophoresis to analyze single human red blood cells. <i>Analytica Chimica Acta</i> , 2007 , 583, 217-22	6.6	25
17	Characterization of solution-phase DNA hybridization by fluorescence correlation spectroscopy: Rapid genotyping of C677T from methylenetetrahydrofolate reductase gene. <i>Talanta</i> , 2007 , 71, 1192-7	6.2	10
16	A resonance energy transfer between chemiluminescent donors and luminescent quantum-dots as acceptors (CRET). <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5140-3	16.4	195
15	Single nonblinking CdTe quantum dots synthesized in aqueous thiopropionic acid. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7588-91	16.4	58
14	Single Nonblinking CdTe Quantum Dots Synthesized in Aqueous Thiopropionic Acid. <i>Angewandte Chemie</i> , 2006 , 118, 7750-7753	3.6	20
13	Multiamino-functionalized carbon nanotubes and their applications in loading quantum dots and magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1852		70
12	Coupling fluorescence correlation spectroscopy with microchip electrophoresis to determine the effective surface charge of water-soluble quantum dots. <i>Small</i> , 2006 , 2, 534-8	11	31
11	Facile one-pot synthesis of luminescent, water-soluble, and biocompatible glutathione-coated CdTe nanocrystals. <i>Small</i> , 2006 , 2, 747-51	11	193
10	Characterization of quantum dot bioconjugates by capillary electrophoresis with laser-induced fluorescent detection. <i>Journal of Chromatography A</i> , 2006 , 1113, 251-4	4.5	71
9	Chemiluminescence detection for capillary electrophoresis and microchip capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 155-166	14.6	62
8	Sizes of water-soluble luminescent quantum dots measured by fluorescence correlation spectroscopy. <i>Analytica Chimica Acta</i> , 2005 , 546, 46-51	6.6	52
7	A sensitive and rapid immunoassay for quantification of CA125 in human sera by capillary electrophoresis with enhanced chemiluminescence detection. <i>Electrophoresis</i> , 2005 , 26, 2402-8	3.6	53
6	On-line chemiluminescence detection for isoelectric focusing of heme proteins on microchips. <i>Electrophoresis</i> , 2005 , 26, 3595-601	3.6	45
5	Ultraviolet sealing and poly(dimethylacrylamide) modification for poly(dimethylsiloxane)/glass microchips. <i>Electrophoresis</i> , 2004 , 25, 914-21	3.6	46
4	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> , 2003 , 26, 355-367	1.3	7
3	Effects of polyols, pH and electrolyte concentrations in TBE buffer on separation of double strand DNA fragments by capillary electrophoresis. <i>Analytical Sciences</i> , 2002 , 18, 469-71	1.7	1

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| 2 | 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> , 2002 , 74, 295-9 | 7.8 | 24 |
| 1 | Sensitive and universal indirect chemiluminescence detection for capillary electrophoresis of cations using cobalt(II) as a probe ion. <i>Analytical Chemistry</i> , 2001 , 73, 2663-8 | 7.8 | 49 |