

Antony K Chen

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,901
citations

393982

19
h-index

360668

35
g-index

39
all docs

39
docs citations

39
times ranked

3002
citing authors

#	ARTICLE	IF	CITATIONS
1	MyoD is a 3D genome structure organizer for muscle cell identity. <i>Nature Communications</i> , 2022, 13, 205.	5.8	50
2	Rational design of self-assembled RNA nanostructures for HIV-1 virus assembly blockade. <i>Nucleic Acids Research</i> , 2022, 50, e44-e44.	6.5	4
3	1/f-noise-free optical sensing with an integrated heterodyne interferometer. <i>Nature Communications</i> , 2021, 12, 1973.	5.8	33
4	A Background Assessable and Correctable Bimolecular Fluorescence Complementation System for Nanoscopic Single-Molecule Imaging of Intracellular Protein-Protein Interactions. <i>ACS Nano</i> , 2021, 15, 14338-14346.	7.3	7
5	Recent Advances in the Molecular Beacon Technology for Live-Cell Single-Molecule Imaging. <i>IScience</i> , 2020, 23, 101801.	1.9	28
6	A new metagenome binning method based on gene uniqueness. <i>Genes and Genomics</i> , 2020, 42, 883-892.	0.5	0
7	Delivering Molecular Beacons via an Electroporation-Based Approach Enables Live-Cell Imaging of Single RNA Transcripts and Genomic Loci. <i>Methods in Molecular Biology</i> , 2020, 2106, 241-252.	0.4	4
8	Live-Cell Imaging of Genomic Loci Using CRISPR/Molecular Beacon Hybrid Systems. <i>Methods in Molecular Biology</i> , 2020, 2166, 357-372.	0.4	2
9	Live-Cell Imaging of Long Noncoding RNAs Using Molecular Beacons. <i>Methods in Molecular Biology</i> , 2019, 2038, 21-33.	0.4	3
10	CRISPR/dual-FRET molecular beacon for sensitive live-cell imaging of non-repetitive genomic loci. <i>Nucleic Acids Research</i> , 2019, 47, e131-e131.	6.5	39
11	Progress and Challenges for Live-cell Imaging of Genomic Loci Using CRISPR-based Platforms. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 119-128.	3.0	69
12	Single-Molecule Analysis of RNA Dynamics in Living Cells Using Molecular Beacons. <i>Methods in Molecular Biology</i> , 2019, 1870, 23-39.	0.4	0
13	A CRISPR/molecular beacon hybrid system for live-cell genomic imaging. <i>Nucleic Acids Research</i> , 2018, 46, e80-e80.	6.5	37
14	Inhibition of retroviral Gag assembly by non-silencing miRNAs promotes autophagic viral degradation. <i>Protein and Cell</i> , 2018, 9, 640-651.	4.8	8
15	Quantifying Gene Expression in Living Cells with Ratiometric Bimolecular Beacons. <i>Methods in Molecular Biology</i> , 2018, 1649, 231-242.	0.4	4
16	Roles of Gag-RNA interactions in HIV-1 virus assembly deciphered by single-molecule localization microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6721-6726.	3.3	25
17	Optimizing Molecular Beacons for Intracellular Analysis of RNA. <i>Methods in Molecular Biology</i> , 2018, 1649, 243-257.	0.4	2
18	Long non-coding RNA Linc-RAM enhances myogenic differentiation by interacting with MyoD. <i>Nature Communications</i> , 2017, 8, 14016.	5.8	147

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19	A molecular beacon-based approach for live-cell imaging of RNA transcripts with minimal target engineering at the single-molecule level. <i>Scientific Reports</i> , 2017, 7, 1550.	1.6	39
20	Engineering Novel Molecular Beacon Constructs to Study Intracellular RNA Dynamics and Localization. <i>Genomics, Proteomics and Bioinformatics</i> , 2017, 15, 279-286.	3.0	10
21	Immature HIV-1 lattice assembly dynamics are regulated by scaffolding from nucleic acid and the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10056-E10065.	3.3	86
22	Single-molecule detection and tracking of RNA transcripts in living cells using phosphorothioate-optimized 2'-O-methyl RNA molecular beacons. <i>Biomaterials</i> , 2016, 100, 172-183.	5.7	46
23	MicroRNA binding to the HIV-1 Gag protein inhibits Gag assembly and virus production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2676-83.	3.3	66
24	Cell spreading and proliferation in response to the composition and mechanics of engineered fibrillar extracellular matrices. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2731-2741.	1.7	19
25	Frictional properties of native and functionalized type I collagen thin films. <i>Applied Physics Letters</i> , 2013, 103, 143703.	1.5	3
26	Imaging RNA in Single Living Cells: Recent Advances and Future Outlook. , 2012, , .		0
27	Delivery of Molecular Beacons for Live-Cell Imaging and Analysis of RNA. <i>Methods in Molecular Biology</i> , 2011, 714, 159-174.	0.4	18
28	Examination of Folate-Targeted Liposomes with Encapsulated Poly(2'-propylacrylic acid) as a pH-Responsive Nanoplatfrom for Cytosolic Drug Delivery. <i>Small</i> , 2010, 6, 1398-1401.	5.2	9
29	Ratiometric bimolecular beacons for the sensitive detection of RNA in single living cells. <i>Nucleic Acids Research</i> , 2010, 38, e148-e148.	6.5	53
30	Sub-cellular trafficking and functionality of 2'-O-methyl and 2'-O-methyl-phosphorothioate molecular beacons. <i>Nucleic Acids Research</i> , 2009, 37, e149-e149.	6.5	34
31	IMAGING RNA IN LIVING CELLS WITH MOLECULAR BEACONS: CURRENT PERSPECTIVES AND CHALLENGES. <i>Journal of Innovative Optical Health Sciences</i> , 2009, 02, 315-324.	0.5	9
32	Assessing the Sensitivity of Commercially Available Fluorophores to the Intracellular Environment. <i>Analytical Chemistry</i> , 2008, 80, 7437-7444.	3.2	56
33	Efficient cytosolic delivery of molecular beacon conjugates and flow cytometric analysis of target RNA. <i>Nucleic Acids Research</i> , 2008, 36, e69-e69.	6.5	73
34	In vivo imaging of cancer biomarkers using activatable molecular probes. <i>Cancer Biomarkers</i> , 2008, 4, 287-305.	0.8	71
35	Evidence for the role of G-proteins in flow stimulation of dinoflagellate bioluminescence. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2020-R2027.	0.9	28
36	Avoiding false-positive signals with nuclease-vulnerable molecular beacons in single living cells. <i>Nucleic Acids Research</i> , 2007, 35, e105.	6.5	122

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37	Superparamagnetic Iron Oxide Nanoparticle Probes for Molecular Imaging. <i>Annals of Biomedical Engineering</i> , 2006, 34, 23-38.	1.3	675
38	The use of dinoflagellate bioluminescence to characterize cell stimulation in bioreactors. <i>Biotechnology and Bioengineering</i> , 2003, 83, 93-103.	1.7	21