

Victor Pui-Yan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,993
citations

304743

22
h-index

501196

28
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29
all docs

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docs citations

29
times ranked

2793
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Regulation Using Nanodiscs Modified with HIF-1- β Antisense Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2022, 33, 279-293.	3.6	4
2	The magnitude of LFA-1/ICAM-1 forces fine-tune TCR-triggered T cell activation. <i>Science Advances</i> , 2022, 8, eabg4485.	10.3	36
3	DNA Nanotechnology as an Emerging Tool to Study Mechanotransduction in Living Systems. <i>Small</i> , 2019, 15, e1900961.	10.0	67
4	Platelet integrins exhibit anisotropic mechanosensing and harness piconewton forces to mediate platelet aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 325-330.	7.1	134
5	Light-Responsive Polymer Particles as Force Clamps for the Mechanical Unfolding of Target Molecules. <i>Nano Letters</i> , 2018, 18, 2630-2636.	9.1	16
6	Mapping the 3D orientation of piconewton integrin traction forces. <i>Nature Methods</i> , 2018, 15, 115-118.	19.0	105
7	Molecular Tension Probes to Investigate the Mechanopharmacology of Single Cells: A Step toward Personalized Mechanomedicine. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800069.	7.6	17
8	A brighter force gauge for cells. <i>ELife</i> , 2018, 7, .	6.0	4
9	Molecular Tension Probes for Imaging Forces at the Cell Surface. <i>Accounts of Chemical Research</i> , 2017, 50, 2915-2924.	15.6	127
10	DNA-based nanoparticle tension sensors reveal that T-cell receptors transmit defined pN forces to their antigens for enhanced fidelity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5610-5615.	7.1	256
11	Ratiometric Tension Probes for Mapping Receptor Forces and Clustering at Intermembrane Junctions. <i>Nano Letters</i> , 2016, 16, 4552-4559.	9.1	65
12	Mechanically Induced Catalytic Amplification Reaction for Readout of Receptor-Mediated Cellular Forces. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5488-5492.	13.8	36
13	Protection against β^2 -amyloid-induced synaptic and memory impairments via altering β^2 -amyloid assembly by bis(heptyl)-cognitin. <i>Scientific Reports</i> , 2015, 5, 10256.	3.3	29
14	DNA-Binding Small Molecules as Inhibitors of Transcription Factors. <i>Medicinal Research Reviews</i> , 2013, 33, 823-846.	10.5	52
15	Structure-based design of flavone derivatives as c-myc oncogene down-regulators. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 130-141.	4.0	18
16	Detection of base excision repair enzyme activity using a luminescent G-quadruplex selective switch-on probe. <i>Chemical Communications</i> , 2013, 49, 5630.	4.1	113
17	A luminescent G-quadruplex switch-on probe for the highly selective and tunable detection of cysteine and glutathione. <i>Chemical Communications</i> , 2013, 49, 771-773.	4.1	94
18	A G-quadruplex-selective luminescent switch-on probe for the detection of sub-nanomolar human neutrophil elastase. <i>RSC Advances</i> , 2013, 3, 1656-1659.	3.6	32

#	ARTICLE	IF	CITATIONS
19	Current Advancements in Al ³⁺ Luminescent Probes and Inhibitors of Al ³⁺ Aggregation. <i>Current Alzheimer Research</i> , 2012, 9, 830-843.	1.4	11
20	Recent advances in luminescent heavy metal complexes for sensing. <i>Coordination Chemistry Reviews</i> , 2012, 256, 3087-3113.	18.8	273
21	In silico screening of quadruplex-binding ligands. <i>Methods</i> , 2012, 57, 106-114.	3.8	29
22	Label-free sensing of pH and silver nanoparticles using an AND logic gate. <i>Analytica Chimica Acta</i> , 2012, 733, 78-83.	5.4	36
23	Discovery of a natural product inhibitor targeting protein neddylation by structure-based virtual screening. <i>Biochimie</i> , 2012, 94, 2457-2460.	2.6	55
24	A label-free G-quadruplex-based switch-on fluorescence assay for the selective detection of ATP. <i>Analyst</i> , 2012, 137, 1538.	3.5	73
25	Inhibition of Janus kinase 2 by cyclometalated rhodium complexes. <i>MedChemComm</i> , 2012, 3, 696.	3.4	32
26	A highly selective G-quadruplex-based luminescent switch-on probe for the detection of nanomolar strontium(II) ions in sea water. <i>RSC Advances</i> , 2012, 2, 8273.	3.6	42
27	A Metal-Based Inhibitor of Tumor Necrosis Factor- α . <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9010-9014.	13.8	158
28	Crystal violet as a fluorescent switch-on probe for i-motif: label-free DNA-based logic gate. <i>Analyst</i> , 2011, 136, 2692.	3.5	78
29	Structure-Based Approaches Targeting Oncogene Promoter G-Quadruplexes. , 0, , .		1