Victor Pui-Yan

List of Publications by Year
in descending order

29 papers	1,993 citations	304743 22 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2793 citing authors

#	Article	IF	Citations
1	Recent advances in luminescent heavy metal complexes for sensing. Coordination Chemistry Reviews, 2012, 256, 3087-3113.	18.8	273
2	DNA-based nanoparticle tension sensors reveal that T-cell receptors transmit defined pN forces to their antigens for enhanced fidelity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5610-5615.	7.1	256
3	A Metalâ€Based Inhibitor of Tumor Necrosis Factorâ€Î±. Angewandte Chemie - International Edition, 2012, 51, 9010-9014.	13.8	158
4	Platelet integrins exhibit anisotropic mechanosensing and harness piconewton forces to mediate platelet aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 325-330.	7.1	134
5	Molecular Tension Probes for Imaging Forces at the Cell Surface. Accounts of Chemical Research, 2017, 50, 2915-2924.	15.6	127
6	Detection of base excision repair enzyme activity using a luminescent G-quadruplex selective switch-on probe. Chemical Communications, 2013, 49, 5630.	4.1	113
7	Mapping the 3D orientation of piconewton integrin traction forces. Nature Methods, 2018, 15, 115-118.	19.0	105
8	A luminescent G-quadruplex switch-on probe for the highly selective and tunable detection of cysteine and glutathione. Chemical Communications, 2013, 49, 771-773.	4.1	94
9	Crystal violet as a fluorescent switch-on probe for i-motif: label-free DNA-based logic gate. Analyst, The, 2011, 136, 2692.	3.5	78
10	A label-free G-quadruplex-based switch-on fluorescence assay for the selective detection of ATP. Analyst, The, 2012, 137, 1538.	3.5	73
11	DNA Nanotechnology as an Emerging Tool to Study Mechanotransduction in Living Systems. Small, 2019, 15, e1900961.	10.0	67
12	Ratiometric Tension Probes for Mapping Receptor Forces and Clustering at Intermembrane Junctions. Nano Letters, 2016, 16, 4552-4559.	9.1	65
13	Discovery of a natural product inhibitor targeting protein neddylation by structure-based virtual screening. Biochimie, 2012, 94, 2457-2460.	2.6	55
14	DNAâ€Binding Small Molecules as Inhibitors of Transcription Factors. Medicinal Research Reviews, 2013, 33, 823-846.	10.5	52
15	A highly selective G-quadruplex-based luminescent switch-on probe for the detection of nanomolar strontium(ii) ions in sea water. RSC Advances, 2012, 2, 8273.	3.6	42
16	Label-free sensing of pH and silver nanoparticles using an â€œORâ€•logic gate. Analytica Chimica Acta, 2012, 733, 78-83.	5.4	36
17	Mechanically Induced Catalytic Amplification Reaction for Readout of Receptorâ€Mediated Cellular Forces. Angewandte Chemie - International Edition, 2016, 55, 5488-5492.	13.8	36
18	The magnitude of LFA-1/ICAM-1 forces fine-tune TCR-triggered T cell activation. Science Advances, 2022, 8, eabg4485.	10.3	36

#	Article	IF	Citations
19	Inhibition of Janus kinase 2 by cyclometalated rhodium complexes. MedChemComm, 2012, 3, 696.	3.4	32
20	A G-quadruplex-selective luminescent switch-on probe for the detection of sub-nanomolar human neutrophil elastase. RSC Advances, 2013, 3, 1656-1659.	3.6	32
21	In silico screening of quadruplex-binding ligands. Methods, 2012, 57, 106-114.	3.8	29
22	Protection against Î²-amyloid-induced synaptic and memory impairments via altering Î²-amyloid assembly by bis(heptyl)-cognitin. Scientific Reports, 2015, 5, 10256.	3.3	29
23	Structure-based design of flavone derivatives as c-myc oncogene down-regulators. European Journal of Pharmaceutical Sciences, 2013, 48, 130-141.	4.0	18
24	Molecular Tension Probes to Investigate the Mechanopharmacology of Single Cells: A Step toward Personalized Mechanomedicine. Advanced Healthcare Materials, 2018, 7, e1800069.	7.6	17
25	Light-Responsive Polymer Particles as Force Clamps for the Mechanical Unfolding of Target Molecules. Nano Letters, 2018, 18, 2630-2636.	9.1	16
26	Current Advancements in AÎ² Luminescent Probes and Inhibitors of AÎ² Aggregation. Current Alzheimer Research, 2012, 9, 830-843.	1.4	11
27	A brighter force gauge for cells. ELife, 2018, 7, .	6.0	4
28	Gene Regulation Using Nanodiscs Modified with HIF-1-Î± Antisense Oligonucleotides. Bioconjugate Chemistry, 2022, 33, 279-293.	3.6	4
29	Structure-Based Approaches Targeting Oncogene Promoter G-Quadruplexes. , 0, , .		1