

# Yuen-Kit Cheng

## List of Publications by Year in descending order

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34  
papers

1,584  
citations

430874

18  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface topography dependence of biomolecular hydrophobic hydration. <i>Nature</i> , 1998, 392, 696-699.	27.8	378
2	Heterobimetallic Zn(II)-Ln(III) Phenylene-Bridged Schiff Base Complexes, Computational Studies, and Evidence for Singlet Energy Transfer as the Main Pathway in the Sensitization of Near-Infrared Nd <sup>3+</sup> Luminescence. <i>Inorganic Chemistry</i> , 2006, 45, 9315-9325.	4.0	155
3	Stabilities of double- and triple-strand helical nucleic acids. <i>Progress in Biophysics and Molecular Biology</i> , 1992, 58, 225-257.	2.9	136
4	Cholic-Acid-Based Fluorescent Sensor for Dicarboxylates and Acidic Amino Acids in Aqueous Solutions. <i>Organic Letters</i> , 2005, 7, 5825-5828.	4.6	122
5	Signaling pathway of ginsenoside-Rg1 leading to nitric oxide production in endothelial cells. <i>FEBS Letters</i> , 2006, 580, 3211-3216.	2.8	106
6	Highly efficient deep blue organic electroluminescent device based on 1-methyl-9,10-di(1-naphthyl)anthracene. <i>Applied Physics Letters</i> , 2006, 89, 252903.	3.3	87
7	Phenyl-calix[4]arene-Based Fluorescent Sensors: Cooperative Binding for Carboxylates. <i>Journal of Organic Chemistry</i> , 2007, 72, 2419-2426.	3.2	56
8	Investigation of the Metabolism and Reductive Activation of Carcinogenic Aristolochic Acids in Rats. <i>Drug Metabolism and Disposition</i> , 2007, 35, 866-874.	3.3	55
9	Stereoisomers ginsenosides-20(S)-Rg3 and -20(R)-Rg3 differentially induce angiogenesis through peroxisome proliferator-activated receptor-gamma. <i>Biochemical Pharmacology</i> , 2012, 83, 893-902.	4.4	47
10	Hydration structure of the $\hat{\text{I}}\pm$ -chymotrypsin substrate binding pocket: the impact of constrained geometry. <i>Chemical Physics</i> , 2000, 258, 415-425.	1.9	46
11	Mechanisms of 2-methoxyestradiol-induced apoptosis and G2/M cell-cycle arrest of nasopharyngeal carcinoma cells. <i>Cancer Letters</i> , 2008, 268, 295-307.	7.2	44
12	Identification of Novel Phosphodiesterase-4D Inhibitors Prescreened by Molecular Dynamics-Augmented Modeling and Validated by Bioassay. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 972-981.	5.4	37
13	Hydrophobic Hydration of Amphipathic Peptides. <i>Biophysical Journal</i> , 1999, 76, 1734-1743.	0.5	33
14	The effect of vicinal polar and charged groups on hydrophobic hydration. , 1999, 50, 742-750.		32
15	Triple helix formation at distant sites: hybrid oligonucleotides containing a polymeric linker. <i>Nucleic Acids Research</i> , 1993, 21, 4810-4815.	14.5	30
16	Electronic decoherence for electron transfer in blue copper proteins. <i>Chemical Physics Letters</i> , 2001, 345, 159-165.	2.6	29
17	Host-Guest Interactions of 4-Carboxyphenoxy Phthalocyanines and $\hat{\text{I}}^2$ -Cyclodextrins in Aqueous Media. <i>Organic Letters</i> , 2007, 9, 2497-2500.	4.6	28
18	Ginsenoside Rg3 stereoisomers differentially inhibit vascular smooth muscle cell proliferation and migration in diabetic atherosclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3202-3214.	3.6	24

#	ARTICLE	IF	CITATIONS
19	The molecular basis for the inhibition of phosphodiesterase-4D by three natural resveratrol analogs. Isolation, molecular docking, molecular dynamics simulations, binding free energy, and bioassay. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2089-2096.	2.3	23
20	Facile Synthesis of Oligophenylene-Substituted Calix[4]arenes and Their Enhanced Binding Properties. <i>Journal of Organic Chemistry</i> , 2005, 70, 2816-2819.	3.2	17
21	Solvent effects on model d(CGÂ·C)7 and d(TAÂ·T)7 DNA triple helices. <i>Biopolymers</i> , 1995, 35, 457-473.	2.4	15
22	Quantitative Structure-Retention Relationship of Nucleic-Acid Bases Revisited. CoMFA on Purine RPLC Retention. <i>QSAR and Combinatorial Science</i> , 2005, 24, 968-975.	1.4	12
23	A comparative study of void volume markers in immobilized-artificial-membrane and reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1103, 356-361.	3.7	12
24	Synthesis of the Tricyclic Picrotoxane Motif by an Oxidative Cascade Cyclization. <i>Organic Letters</i> , 2019, 21, 4896-4899.	4.6	11
25	The retention properties of nucleobases in alkyl C8-/C18- and IAM-chromatographic systems in relation to log Pow. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 847, 245-261.	2.3	10
26	Is phospholipid-saturated alkyl column a convenient replacement for immobilized-artificial-membrane?. <i>Journal of Chromatography A</i> , 2007, 1176, 100-106.	3.7	9
27	(4 + 3) cycloadditions of allenyl ether-derived oxygen-stabilized oxyallyls with furans. <i>Organic Chemistry Frontiers</i> , 2020, 7, 255-260.	4.5	6
28	Construction of cyclopenta[b]pyran-2-ones via chemoselective (3 + 2) cycloaddition between 2-pyrones and vinyl cyclopropanes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 840-845.	4.5	6
29	A Substrate Selectivity and Inhibitor Design Lesson from the PDE10â·cAMP Crystal Structure: A Computational Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5154-5160.	2.6	5
30	Complex retention behavior of pyrimidines on biomembrane-mimic immobilized-artificial-membrane phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 114-122.	2.3	4
31	Mesoscale simulation on patterned nanotube model for amphiphilic block copolymer. <i>Journal of Molecular Modeling</i> , 2010, 16, 1819-1824.	1.8	3
32	SER-HIS-ASP catalytic triad in model non-aqueous solvent environment: A computational study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5797-5800.	2.2	2
33	Structural investigation into the inhibitory mechanisms of indomethacin and its analogues towards human glyoxalase I. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4243-4247.	2.2	2
34	An update view on the substrate recognition mechanism of phosphodiesterases: A computational study of PDE10 and PDE4 bound with cyclic nucleotides. <i>Biopolymers</i> , 2012, 97, 910-922.	2.4	2