

Michael K Chan

List of Publications by Year in descending order

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32
papers

1,631
citations

394421

19
h-index

414414

32
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33
all docs

33
docs citations

33
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	A New UAG-Encoded Residue in the Structure of a Methanogen Methyltransferase. <i>Science</i> , 2002, 296, 1462-1466.	12.6	376
2	Direct charging of tRNA ^{CUA} with pyrrolysine in vitro and in vivo. <i>Nature</i> , 2004, 431, 333-335.	27.8	219
3	Crystal Structure of the <i>Escherichia coli</i> Peptide Deformylase. <i>Biochemistry</i> , 1997, 36, 13904-13909.	2.5	131
4	Insight into the Catalytic Mechanism of DNA Polymerase β : Structures of Intermediate Complexes. <i>Biochemistry</i> , 2001, 40, 5368-5375.	2.5	127
5	A Pyrrolysine Analogue for Site-Specific Protein Ubiquitination. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9184-9187.	13.8	127
6	A Pyrrolysine Analogue for Protein Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1633-1635.	13.8	107
7	Structural Basis for the Design of Antibiotics Targeting Peptide Deformylase. <i>Biochemistry</i> , 1999, 38, 4712-4719.	2.5	75
8	The pyrrolysine translational machinery as a genetic-code expansion tool. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 387-391.	6.1	42
9	Specificity of Pyrrolysyl-tRNA Synthetase for Pyrrolysine and Pyrrolysine Analogs. <i>Journal of Molecular Biology</i> , 2009, 385, 1156-1164.	4.2	39
10	<i>In Vivo</i> Enzyme Entrapment in a Protein Crystal. <i>Journal of the American Chemical Society</i> , 2020, 142, 9879-9883.	13.7	39
11	The pesticidal Cry6Aa toxin from <i>Bacillus thuringiensis</i> is structurally similar to HlyE-family alpha pore-forming toxins. <i>BMC Biology</i> , 2016, 14, 71.	3.8	37
12	Directed evolution of a genetically encoded immobilized lipase for the efficient production of biodiesel from waste cooking oil. <i>Biotechnology for Biofuels</i> , 2019, 12, 165.	6.2	37
13	Direct production of a genetically-encoded immobilized biodiesel catalyst. <i>Scientific Reports</i> , 2018, 8, 12783.	3.3	35
14	Targeted delivery of antimicrobial peptide by Cry protein crystal to treat intramacrophage infection. <i>Biomaterials</i> , 2019, 217, 119286.	11.4	30
15	Nonenzymatic Ubiquitylation. <i>ChemBioChem</i> , 2011, 12, 21-33.	2.6	24
16	Pulsed ¹ H and ⁵⁵ Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. <i>Molecular Physics</i> , 1998, 95, 1283-1294.	1.7	23
17	Pyrrolysine Analogs for Translational Incorporation into Proteins. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4171-4179.	2.4	20
18	Cry Protein Crystals: A Novel Platform for Protein Delivery. <i>PLoS ONE</i> , 2015, 10, e0127669.	2.5	20

#	ARTICLE	IF	CITATIONS
19	⁶ -(Propargylglycyl)lysine as a Clickable Pyrrolysine Mimic. Chemistry - an Asian Journal, 2010, 5, 1765-1769.	3.3	19
20	Structural, Magnetic and Catalytic Properties of a Self-Recognized 1/4-Oxo-Bridged Diiron(III) Bis(benzimidazole) Complex. Inorganic Chemistry, 2001, 40, 4036-4039.	4.0	18
21	Efficient intracellular delivery of p53 protein by engineered protein crystals restores tumor suppressing function in vivo. Biomaterials, 2021, 271, 120759.	11.4	16
22	Targeted Myoglobin Delivery as a Strategy for Enhancing the Sensitivity of Hypoxic Cancer Cells to Radiation. IScience, 2020, 23, 101158.	4.1	15
23	A SUMO1-Derived Peptide Targeting SUMO-Interacting Motif Inhibits α -Synuclein Aggregation. Cell Chemical Biology, 2021, 28, 180-190.e6.	5.2	15
24	A Click&Release Pyrrolysine Analogue. ChemBioChem, 2013, 14, 805-808.	2.6	11
25	Cry Protein Crystal-Immobilized Metallothioneins for Bioremediation of Heavy Metals from Water. Crystals, 2019, 9, 287.	2.2	9
26	Cry3Aa*SpyCatcher Fusion Crystals Produced in Bacteria as Scaffolds for Multienzyme Coimmobilization. Bioconjugate Chemistry, 2022, 33, 386-396.	3.6	5
27	Cytosolic delivery of CDK4/6 inhibitor p16 protein using engineered protein crystals for cancer therapy. Acta Biomaterialia, 2021, 135, 582-592.	8.3	4
28	Pyrrolysine-Inspired Protein Cyclization. ChemBioChem, 2014, 15, 1769-1772.	2.6	3
29	Amine-Linked Flavonoids as Agents against Cutaneous Leishmaniasis. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	3
30	Efficient encapsulation of functional proteins into erythrocytes by controlled shear-mediated membrane deformation. Lab on A Chip, 2021, 21, 2121-2128.	6.0	2
31	Pulsed 1H and 55Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. Molecular Physics, 1998, 95, 1283-1294.	1.7	2
32	Support for Nickel as the Labile Metal in the A-center of theM. BarkeriAcetyl-CoA Decarboxylase/Synthase Complex. Journal of the Chinese Chemical Society, 2004, 51, 1253-1258.	1.4	1