

Michael K Chan

List of Publications by Year in descending order

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32
papers

1,631
citations

394421

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414414

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cry3Aa*SpyCatcher Fusion Crystals Produced in Bacteria as Scaffolds for Multienzyme Coimmobilization. <i>Bioconjugate Chemistry</i> , 2022, 33, 386-396.	3.6	5
2	Efficient encapsulation of functional proteins into erythrocytes by controlled shear-mediated membrane deformation. <i>Lab on A Chip</i> , 2021, 21, 2121-2128.	6.0	2
3	A SUMO1-Derived Peptide Targeting SUMO-Interacting Motif Inhibits α -Synuclein Aggregation. <i>Cell Chemical Biology</i> , 2021, 28, 180-190.e6.	5.2	15
4	Efficient intracellular delivery of p53 protein by engineered protein crystals restores tumor suppressing function in vivo. <i>Biomaterials</i> , 2021, 271, 120759.	11.4	16
5	Amine-Linked Flavonoids as Agents against Cutaneous Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	3
6	Cytosolic delivery of CDK4/6 inhibitor p16 protein using engineered protein crystals for cancer therapy. <i>Acta Biomaterialia</i> , 2021, 135, 582-592.	8.3	4
7	Targeted Myoglobin Delivery as a Strategy for Enhancing the Sensitivity of Hypoxic Cancer Cells to Radiation. <i>IScience</i> , 2020, 23, 101158.	4.1	15
8	<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
9	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
10	Targeted delivery of antimicrobial peptide by Cry protein crystal to treat intramacrophage infection. <i>Biomaterials</i> , 2019, 217, 119286.	11.4	30
11	Cry Protein Crystal-Immobilized Metallothioneins for Bioremediation of Heavy Metals from Water. <i>Crystals</i> , 2019, 9, 287.	2.2	9
12	Direct production of a genetically-encoded immobilized biodiesel catalyst. <i>Scientific Reports</i> , 2018, 8, 12783.	3.3	35
13	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
14	Cry Protein Crystals: A Novel Platform for Protein Delivery. <i>PLoS ONE</i> , 2015, 10, e0127669.	2.5	20
15	Pyrrolysine-Inspired Protein Cyclization. <i>ChemBioChem</i> , 2014, 15, 1769-1772.	2.6	3
16	A Click-and-Release Pyrrolysine Analogue. <i>ChemBioChem</i> , 2013, 14, 805-808.	2.6	11
17	Nonenzymatic Ubiquitylation. <i>ChemBioChem</i> , 2011, 12, 21-33.	2.6	24
18	The pyrrolysine translational machinery as a genetic-code expansion tool. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 387-391.	6.1	42

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19	ϵ -Propargylglycyllysine as a Clickable Pyrrolysine Mimic. Chemistry - an Asian Journal, 2010, 5, 1765-1769.	3.3	19
20	Pyrrolysine Analogs for Translational Incorporation into Proteins. European Journal of Organic Chemistry, 2010, 2010, 4171-4179.	2.4	20
21	A Pyrrolysine Analogue for Protein Click Chemistry. Angewandte Chemie - International Edition, 2009, 48, 1633-1635.	13.8	107
22	A Pyrrolysine Analogue for Site-Specific Protein Ubiquitination. Angewandte Chemie - International Edition, 2009, 48, 9184-9187.	13.8	127
23	Specificity of Pyrrolysyl-tRNA Synthetase for Pyrrolysine and Pyrrolysine Analogs. Journal of Molecular Biology, 2009, 385, 1156-1164.	4.2	39
24	Support for Nickel as the Labile Metal in the A-center of the M. Barkeri Acetyl-CoA Decarboxylase/Synthase Complex. Journal of the Chinese Chemical Society, 2004, 51, 1253-1258.	1.4	1
25	Direct charging of tRNA ^{CUA} with pyrrolysine in vitro and in vivo. Nature, 2004, 431, 333-335.	27.8	219
26	A New UAG-Encoded Residue in the Structure of a Methanogen Methyltransferase. Science, 2002, 296, 1462-1466.	12.6	376
27	Structural, Magnetic and Catalytic Properties of a Self-Recognized μ_4 -Oxo-Bridged Diiron(III) Bis(benzimidazole) Complex. Inorganic Chemistry, 2001, 40, 4036-4039.	4.0	18
28	Insight into the Catalytic Mechanism of DNA Polymerase β : Structures of Intermediate Complexes. Biochemistry, 2001, 40, 5368-5375.	2.5	127
29	Structural Basis for the Design of Antibiotics Targeting Peptide Deformylase. Biochemistry, 1999, 38, 4712-4719.	2.5	75
30	Pulsed ^1H and ^{55}Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. Molecular Physics, 1998, 95, 1283-1294.	1.7	23
31	Pulsed ^1H and ^{55}Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. Molecular Physics, 1998, 95, 1283-1294.	1.7	2
32	Crystal Structure of the Escherichia coli Peptide Deformylase. Biochemistry, 1997, 36, 13904-13909.	2.5	131